



# Undergraduate

CATALOG 2023-24



UNIVERSITY OF  
**NORTHERN  
COLORADO**

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# UNDERGRADUATE CATALOG 2023-2024

## **Greeley, Colorado**

*Effective August 15, 2023 - August 14, 2024*

## **PRINT VERSION**

The online version of the catalog at [catalog.unco.edu](http://catalog.unco.edu) will always display the most current version of the catalog and therefore replaces and supersedes any hard copy version.

University of Northern Colorado reserves the right to change its role, policies or course offerings at any time. To that extent, any contradictions that exist between this catalog and University of Northern Colorado policies, the policies take precedence and control.

## ABOUT THE UNIVERSITY

As Colorado's leader in education, the University of Northern Colorado (UNC) is committed to bringing together diverse ideas, voices and people to shape a student's first university experience. UNC provides students with a personalized education, grounded in liberal arts and infused with critical and creative inquiry, empowering them to make a difference in their own lives and in their communities. Faculty and staff nurture individual development, passing along skills and knowledge to provide upward mobility for alumni, and the Bear family shares a commitment to the values of inclusion, equity, and diversity.

At UNC, there are more than 100 undergraduate and 100 graduate programs of study in five colleges: Humanities and Social Sciences, Business, Education and Behavioral Sciences, Natural and Health Sciences, and Performing and Visual Arts. With more than 2,000 undergraduate and 1,400 graduate courses available, advisors help students build an education that will make them competitive in the global job market.

More than 7,350 undergraduates from 47 U.S. states and 24 other countries attend classes on our beautiful 260-acre campus and through our extended campuses online and in Loveland and Denver. Forty-two percent of our students are first in their families to attend college.

Our libraries include James A. Michener Library, home to the author's literary legacy, and Skinner Music Library, one of a handful of music libraries in the nation dedicated exclusively to research materials and media required by the nation's most rigorous music schools.

Students can get involved in more than 100 student organizations on campus, including leadership, professional, social, cultural and honorary groups. They can choose to join Fraternity and Sorority Life, explore Colorado with Outdoor Pursuits, engage in residential programming that enhances academic curricula, attend NCAA Division I athletic events, work on campus, and participate in service or experiential learning projects.

Located in Greeley, a city of more than 105,000 residents an hour's drive north of Denver, UNC's main campus is close to shopping, dining, popular activities, theaters, music venues, outdoor trails, parks and a growing downtown.

Academic integrity is valued and expected. Excellence is sought and rewarded. Teaching and learning flourish. Diversity of thought and culture is respected. Intellectual freedom is preserved. Equal opportunity is afforded. And UNC students thrive.

## Welcome from President Andrew Feinstein

*Welcome, Bears! I invite you to explore the 2023-2024 Academic Catalog to learn about the robust set of programs and course offerings that are available to you as a student at the University of Northern Colorado. I trust you will find courses that pique your interest and align with your academic and career aspirations. Our curriculum has been thoughtfully developed to meet your needs and interests, and prepare you with the knowledge and skills to succeed in your chosen fields.*

*As a Students First institution, our faculty and staff support your success inside and outside the classroom – doing everything we can to ensure you have an enriching and engaging educational experience. We are committed to facilitating your journey toward completing a degree– and hope to sustain connections with you throughout your lifetime as we welcome you into our expansive alumni community. It is our intention for every student to leave UNC feeling confident and well-prepared to pursue their dreams.*

*Earning a college degree is one of life's most rewarding experiences and paves the way for upward social mobility and future success. I am glad that you have chosen UNC to provide the educational foundation for your future. Best of luck this academic year!*

## University of Northern Colorado Affirmative Action/Equal Opportunity Policy

Human Resources and the Office of Institutional Equity and Compliance (OEIC) are responsible for implementation of affirmative action, programs, and coordination of Title VI and VII of the Civil Rights act of 1964, Title IX of the Education Amendments of 1972, the Vietnam Era Veteran's Readjustment Act of 1974, and Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990. For more information about these provisions, about issues of equity or fairness, or to report claims of discrimination contact OEIC and the Title IX Coordinator at [titleix@unco.edu](mailto:titleix@unco.edu) or 970-351-4899, or Human Resources at [human.resources@unco.edu](mailto:human.resources@unco.edu) or 970-351-2718. These offices also assist regarding Affirmative Action and Equal Opportunity.

## Disclaimer

The content of this document is provided for the information of the student. It is accurate at the time of printing but is subject to change from time to time as deemed appropriate by the University President or Board of Trustees in order to fulfill the University role and mission or to accommodate circumstances beyond their control. Any such changes may be implemented without prior notice, without obligation and, unless specified otherwise, are effective when made. The Catalog posted at [www.catalog.unco.edu](http://www.catalog.unco.edu) may reflect current information that was not available at the time of this publication.

The calendar is a projection of the course of events for the academic year and represents the best judgment of the administration and staff. It is subject to change due to forces beyond the control of University employees or as deemed necessary by the University staff in order to fulfill educational objectives.

The faculty and staff of the University of Northern Colorado reserve the right to terminate or modify program requirements, content, and the sequence of the program offerings from semester to semester for educational, operational or financial reasons that are deemed sufficient to warrant such actions.

## Calendar

Please reference the 3-year calendar at [www.unco.edu/registrar/calendars/](http://www.unco.edu/registrar/calendars/) for detailed information.

Dates are subject to change

## Mission Statement of the University of Northern Colorado

The University of Northern Colorado shall be a comprehensive baccalaureate and specialized graduate research university with selective admission standards. The University shall offer a comprehensive array of baccalaureate programs and master's and doctoral degrees, primarily in the field of education. The University of Northern Colorado has statewide authority to offer graduate programs for the preparation of education personnel.

## University of Northern Colorado Points of Pride

- UNC is a recipient of the prestigious Christa McAuliffe Award for Excellence in Teacher Preparation from the American Association of State Colleges and Universities.

- Our Monfort College of Business is the first and only business school to receive the Malcolm Baldrige National Quality Award from the Office of the President of the United States.
- The arts are part of the UNC Student Experience: Our School of Music is home to 25 musical ensembles and our School of Theatre Arts and Dance stages seven mainstage productions and more than 30 student productions each year as well as being home to the Little Theater of the Rockies, the oldest professional summer stock theatre west of the Mississippi River and in the state of Colorado.

The Colorado Legislature designated UNC as the primary institution for undergraduate and graduate teacher education in the state and alumni K-12 educators currently serve every county in Colorado.

- UNC has the oldest Gender Studies program in Colorado, which was originally founded as a women's studies program in 1974 and attracted students to learn about the development and culture of gender, sexuality and inequality both past and present.
- *DownBeat* Magazine has rated UNC's University Orchestra the top university orchestra in the United States repeatedly for more than 10 years (2021).
- Celebrating 60 years of nursing education excellence, our BS in Nursing program is one of the best in Colorado and ranks #112 in the nation, with a 95-100% passage rate on the national licensing exam for registered nurses.

UNC earned recognition as a "Best of the Best" LGBTQ-friendly campus based on the Campus Pride index.

- Each year, students host the UNC International Film Series, the longest-running student film program in Colorado.
- UNC has the only accredited, online B.A. in American Sign Language Interpretation program in the nation by the Commission on Collegiate Interpreter Education.
- Our Monfort College of Business is ranked #1 in the world for experimental Accounting Information Systems (AIS) research and #9 in the world for all other AIS research, where accounting, systems and analytics intersect. The top recognition, from among more than 630 universities measured, comes from the annual Brigham Young University Accounting rankings for research quality.
- Our Jazz Studies program has won more than 150 *DownBeat* Magazine awards in the last 30 years.

- 26 UNC graduates have appeared in 67 different Broadway productions — a record unmatched by any other BA Musical Theatre program in the country.
- The university's Rocky Mountain Cancer Rehabilitation Institute is the only comprehensive cancer rehabilitation facility of its kind, providing individualized prescriptive exercise and dietary intervention for cancer treatment-related symptoms.
- Last year, the men's Basketball team made the finals of the Big Sky Basketball Championships for the first time in its history.
- UNC's School of Art and Design is led by award-winning director who was named Art Educator of the Year by the Colorado Art Education Association for excellence in contributions, service and professional achievements in the field of visual arts education.
- Our James A. Michener Library is home to the bulk of the alumnus and Pulitzer Prize-winning author's writing and publishing legacy.
- UNC hosts a Chicana/o/x and Latinx Film Festival in March, highlighting a film each week that focuses on a different aspect of culture, history and contemporary issues.
- Our student athletes succeed in the classroom and in competition: earning the highest GPA in the NCAA Division 1 Big Sky Athletic Conference for 18<sup>th</sup> consecutive semesters—a cumulative GPA of 3.07—and winning six Big Sky volleyball tournament championships and earning an NCAA championship berth for the seventh time. **Go Bears!**

## University of Northern Colorado Traditions

The University of Northern Colorado has a rich and dynamic 134-year history. As the university has evolved and grown with each generation of Bears, many favorite traditions have emerged to celebrate the spirit, community and diversity that make UNC a special place for all of us.

### Homecoming

UNC alumni first celebrated Homecoming in 1923 and have since continued this tradition. This year marks our 100th Homecoming, an annual celebration held in conjunction with a home football game (Go Bears!). The festivities include weeklong student spirit activities, an evening pep rally and bonfire with the Pride of the Rockies Marching band, and alumni gatherings across campus.

### Cranford Cornerstone

Much celebration surrounded the laying of the cornerstone of the first building constructed at the new State Normal School in Greeley in 1890. The building was later named Cranford Hall after the businessman who donated most of the land for the school. Although the building was ravaged by time and a fire and had to eventually be demolished in 1972, its cornerstone was salvaged and is prominently displayed near the west entrance to Carter Hall as a reminder of our historic founding.

### Gunter Hall

During Gunter Hall's renovation in 1996, architects salvaged as many of the 1928 building's historic features as possible, including the center court of the gym floor, original wall murals and the famous Gunter bells, which had been replaced three times prior to the renovation. Today the bells ring electronically, but no less proudly to mark the passage of time across campus as they have for generations of UNC students.

### Hi Bridge

A gift from the 1940 senior class, Hi Bridge is located between Gunter Hall and Gray Hall and originally led to the front door of Bru Inn, the former student union. The bridge established the tradition that anyone who crossed it, friend or stranger, were to greet each other with a cordial "Hi." Today, undergraduate students apply to become a Hi Bridge Society delegate, representing UNC hospitality at its best at numerous alumni and community events. Delegates are named and recognized during the annual Homecoming celebration.

### Becoming the Bears

Until 1925, the official name of the university's athletic teams was the Teachers. The following year, our mascot became a brown Bear, in recognition of the bear carving atop an Alaskan Tlingit totem pole that was part of the Greeley campus since 1914. Nicknamed "Totem Teddy," it served as a school symbol until 2003, when it was properly returned to the Tlingit tribe under the Native American Graves Protection and Repatriation Act. The bronze statue *Northern Vision* now serves as the visual representation of UNC's beloved Bear identity and mascot.

### Northern Vision

Since 2004, *Northern Vision*, our 12-foot-high, 2,000-pound, bronze sculpture of a bear on the north lawn of the University Center (UC), has watched intently over our campus community. Created and donated by local sculptors at the behest of a cadre of persuasive UNC alumni, the eye-catching piece of art faces southeast toward the UC, the vibrant hub for student life, symbolizing the university's focus on students. *Northern Vision* is a favorite photo spot to capture two iconic UNC moments—the conclusion of a student's first campus tour

and a student's commencement photo in cap and gown regalia.

## Accreditation and Affiliation

Since 1916, the University has been accredited by the Higher Learning Commission (HLC). UNC's accreditation was affirmed by the HLC in June 2015, with the next reaffirmation of accreditation in 2024-2025. Additional information about UNC's accreditation is available at <https://www.unco.edu/accreditation/higher-learning-commission.aspx>.

All UNC degrees in fields that require accreditation for licensure or certification are accredited. A complete description of programs that hold specialized accreditation is available at <https://www.unco.edu/accreditation/higher-learning-commission.aspx>. UNC programs are accredited by the following specialized accrediting bodies.

- Accreditation Council for Education in Nutrition and Dietetics
- American Psychological Association
- Association to Advance Collegiate Schools of Business International
- CAATE: Commission on Accreditation of Athletic Training Education
- Commission on Collegiate Interpreter Education
- Commission on Collegiate Nursing Education
- Commission on English Language Program Accreditation
- Council for Accreditation of Counseling and Related Educational Programs
- Council on Academic Accreditation in Audiology and Speech-Language Pathology
- Council on Education for Public Health
- International Association of Counseling Services
- National Association of School Psychologists
- National Association of Schools of Music
- National Association of Schools of Theatre

In addition to these accrediting bodies, UNC has multiple programs that have been approved or authorized by a state or national organization. Although these are not accrediting bodies, approval indicates that programs meet the standards of the organization.

- American Chemical Society
- Association of Psychology Post-doctoral and Internship Centers
- College Reading and Learning Association
- Colorado Department of Education (all Education programs)
- Colorado State Board of Nursing

- Professional Science Master's Environmental Geosciences (PSM)

UNC holds affiliations with the following organizations:

- American Association of Colleges for Teacher Education
- American Association of State Colleges and Universities
- Colorado Coalition for the Educational Advancement of Latinos
- Colorado Council of Deans of Education
- College Language Association
- Council of Academic Deans from Research Education Institutions
- Council of Colleges of Arts and Sciences
- Council of Graduate Schools in the United States
- Higher Education Consortium for Special Education
- Hispanic Association of Colleges and Universities
- Inter-Mountain University Research Administrators
- National Association of College and University Attorneys
- National Association of Graduate Admissions Professionals
- National Organization of Research Development Professionals
- Rocky Mountain Advanced Computing Consortium
- Society for Research Administrators
- Teacher Education Council of State Colleges and Universities
- University Council for Educational Administration
- Western Association of Graduate Schools



## UNDERGRADUATE INFORMATION AND POLICIES

### Admission

#### Mission Statement:

Our mission is to recruit, admit, and enroll qualified and engaged students to the University of Northern Colorado; to maintain the livelihood of the university through offering equitable and reliable programs and services; and to achieve annual enrollment goals by keeping the individual student and their support network as our focus. We delight in leading with students-first service values representing University of Northern Colorado and setting the tone for the unique experience awaiting our future and returning students.

The Office of Admissions provides information and assistance to potential domestic undergraduate students, including new first-year students, second bachelor students, and transfer students from other colleges and universities. Admission information is available on the Office of Admissions' website at [www.unco.edu/admissions](http://www.unco.edu/admissions). The office is located in Campus Commons at 1051 22nd Street.

All correspondence about undergraduate domestic admissions should be addressed to University of Northern Colorado Office of Admissions, Campus Box 10, Greeley, CO 80639. Questions may be directed to [admissions@unco.edu](mailto:admissions@unco.edu) or 970-351-2881.

Students interested in undergraduate international (p. 12), graduate international (p. 12) or graduate domestic admissions should contact the Graduate School and International Admissions.

#### Admission Policy

##### Non-Refundable Application Fee:

All application fees are non-refundable. The fee (or approved waiver) must be completed at time of application. Fees are not refunded for any reason and are not applied to any other costs of attendance.

##### Previous Disciplinary Matters:

Applicants to UNC with previous suspensions or felony convictions are subject to additional evaluation as part of the admission process. Applicants with felony conviction(s) are advised to contact the relevant academic department(s) for specific limitations.

##### Colorado ASSET:

Colorado ASSET allows qualified undocumented students to pay in-state tuition to attend any Colorado college or university. For information regarding who qualifies for ASSET and how to request ASSET tuition, visit the Office of the Registrar website.

##### Personal Identifier/Bear Number:

UNC students will be given a 9-digit personal identifier referred to as a Bear Number. Bear Numbers are used for identification purposes for a number of reasons on campus. A student's social security number is not used as a personal identifier. Social Security Numbers must be submitted for financial aid, the College Opportunity Fund (COF), student employment, and enrollment reporting.

##### Selective Service Registration:

In compliance with C.R.S. 23-5-118, Selective Service registration is required of male United States citizens between the ages of 17 years and 9 months and 26 years who wish to enroll at Colorado institutions of higher education. Individuals providing false information are subject to penalty of law and disenrollment.

##### International Transcripts:

If any portion of a student's high school or college/university transcripts are not in English, certified English translations must be submitted with application documents. Students will not receive transfer credit for courses previously taken at international institutions unless the transcripts have been evaluated. See the catalog section International Transcript Evaluation (p. 65) for more information.

##### Enrollment Confirmation Deposit:

All domestic first-year, transfer, and second bachelor students studying in a Greeley campus program are required to submit an enrollment confirmation deposit to hold their space. The \$200.00 confirmation deposit is a pre-payment applied to the student's bill and is a student's gateway to access housing, registration, and new student orientation.

Deposit waivers are available based upon approved need-based financial aid criteria or select program affiliation. Waivers are requested at the time of confirmation via the decision reply form. Students looking to save their space can access this form via their admitted student checklist in the student admissions portal. Current employees should email [admissions@unco.edu](mailto:admissions@unco.edu) to request a confirmation deposit waiver.

Deposit refunds are available before established dates as determined by the student's current entry term. An enrollment deposit refund may be requested by emailing [admissions@unco.edu](mailto:admissions@unco.edu). Refund requests received after the date outlined below will not be approved.

April 1 (Summer Term) | June 1<sup>st</sup> (Fall Term) | December 1<sup>st</sup> (Spring Term)

**Deferral**

Admitted students who have confirmed their plans to enroll at UNC can request their enrollment be deferred for up to two semesters or one full year. For example, a student admitted for fall semester can request to defer enrollment to the following spring, summer, or fall after which they'll need to reapply for admission. The deadline to confirm enrollment and request deferral is the last business day before the first day of classes for the term the student was originally admitted.

To request to defer enrollment, a student must complete the deposit/waiver form (accessible via your admissions portal) to confirm their plans to enroll after which a request to change their term must be submitted. During the deferral period, a student is not permitted to attend another post-secondary institution. Students who choose to do so will need to re-apply for admission.

**First-Year Student Admission**

**Completing an Application:**

Students are considered first-year when they are applying to attend UNC immediately following high school graduation.

Applications should be completed online at [www.unco.edu/admissions](http://www.unco.edu/admissions). Admission decisions will not be rendered until application files are complete which includes the online application and supplemental required documentation. In certain circumstances, additional information may be required.

First-year applicants must submit:

- Online application for admission
- \$50 non-refundable application fee (or need-based waiver)
- Official high school transcripts
- SAT or ACT scores - writing sections are not used for admission or scholarship consideration. ACT/SAT scores are not required if an applicant is over 23 years of age or older or has been
- out of high school for five or more years.

\*\* Note: Starting in fall 2019, emphasis will be placed on students' GPA for admission. Test scores are required for scholarship and placement purposes.

Documents that may be requested:

- Personal Statement
- Crime or suspension documentation
- Letter(s) of recommendation

**First-Year GED Applicants:**

Students are considered first-year GED applicants if they obtained a GED and have **not** attended a post-secondary institution or if they have taken *only* remedial coursework after GED receipt. Students who obtained a GED & have taken college-level coursework after obtaining their GED should apply as transfer students.

First-year students who obtained a GED should submit:

- Online application for admission
- \$50 non-refundable application fee (or need-based waiver)
- Official high school transcripts to the point of stop-out (*encouraged, but not required*)
- Official GED scores
- Personal Statement

Documents that may be requested:

- Crime or suspension documentation
- Letter(s) of recommendation
- ACT or SAT scores if available - ACT/SAT scores are not required if an applicant is over 23 years of age or older or has been out of high school for five or more years.

**Final High School Transcript**

Final high school transcripts are required for all incoming first-year students. First-year students must submit final high school transcripts or a registration hold will be placed on their account that will prevent the student from registering for classes. Final high school transcripts or other proof of high school graduation (for example, a diploma) are required for transfer students who have not obtained an associate degree.

**First-Year Application Deadlines**

UNC is a rolling admission institution. Applications completed by the Priority Deadline receive priority consideration for admission, financial aid, and scholarships.

Semester	Application Opens	Priority Deadlines	Deadline
Fall	August 1	February 1	August 1
Spring	February 1	November 1	December 1

Students will not be admitted after the add deadline of each semester for the 16 week fall/spring calendar which can be found on the Office of the Registrar website. For summer term, students will not be admitted after the latest session's add deadline.

**Admission Requirements:**

Minimum admission standards are set by the State of Colorado's Department of Higher Education.

Students must meet the Colorado Higher Education Admission Requirements (HEAR) which include:

- 4 units of Math
- 4 units of English
- 3 units of Natural Science
- 3 units of Social Science
- 1 unit of World Language
- 2 units of Academic Electives

UNC gives priority consideration to students with higher than a 3.0 GPA who successfully complete the HEAR requirements. Students are expected to get passing grades to be admissible to UNC. While a grade of "D" is considered passing, grades of "C-" or better are encouraged.

Students who do not have a 3.0 GPA and/or do not meet the HEAR requirements are encouraged to apply to UNC as the admission process recognizes each student's unique circumstances. Items such as course rigor, trends in grades, high school type, ACT/SAT scores and personal situations are considered in the admission process. The academic records of graduates from high schools that are not state approved will be examined in greater depth for admission purposes.

**First-year GED Applicants:**

GED Applicants who take the 2014 edition of the test will be considered for admission if a score of 150 or higher has been achieved in each of the four areas of the test.

Applicants who took the GED prior to 2002 are candidates for admission with an average score of 55 or higher. Applicants who took the GED between 2002 and 2013 are candidates for admission with an average score of 550 or higher.

If GED scores fall below these requirements, we encourage you to speak with an admission counselor to determine admission eligibility requirements.

**Programs with Additional Admission Requirements:**

Admission into UNC does not mean admission into all majors. The following programs have additional admission requirements. Please refer to the academic areas of the catalog for additional program requirements.

- American Sign Language English Interpretation BA (p. 113)
- Dietetics BS (p. 172)
- School of Music (p. 103) (all concentrations)

- Nursing B.S.N. (p. 295)
- Nursing B.S.N. RN-BSN (p. 299)
- School of Theatre Arts and Dance (all B.F.A. degrees and K-12 Teaching concentration)

**High School Concurrent/Dual Enrollment Coursework and Credit by Exam:**

Students who have completed college coursework from a regionally accredited institution while in high school must submit an official transcript from the college/university before the coursework will be evaluated. College credit completed while in high school may count towards UNC degree requirements but cannot be used to classify a student as a transfer student for admission and/or transfer scholarship eligibility purposes. For information about how courses and exam scores (AP, IB, CLEP, etc.) will transfer to UNC, see the catalog section Transfer Evaluation. (p. 63)

**Home School Applicants:**

Home school applicants are held to the same standard of admission as first-year and transfer students. Official high school transcripts with coursework and graduation date must be submitted for enrollment at UNC. If a first-year student is applying in the middle of their senior year, current transcripts should be submitted at time of application. Transfer applicants who were home schooled are required to submit a final high school transcript if they have fewer than 24 transferable credit hours. Proof of high school graduation is required for transfer students who do not have an AA/AS degree.

**Early High School Graduates:**

Students who graduate early from high school are held to the same standard of admission as first-year students and should apply as such. High school academics and HEAR requirements are expected to be met. In addition to the first-year application and supporting materials, students will need to submit the Early Graduate Supplemental Information Form.

**ASCENT Students:**

Students who are participating in the Colorado Department of Education's ASCENT program and wish to attend UNC after their fifth year should apply to UNC as first-year students. If high school transcripts do not note ASCENT participation, students should inform the Office of Admissions of their participation in the program via email. Student participating in ASCENT should provide an official copy of their college transcripts with their application for admission (if available at time of application).

If a student wishes to enroll at UNC for their ASCENT year, or fifth year of high school, they will be held to the same standard of admission as first-year students and should apply as such. In addition to the first-year

application and supporting materials, students will need to submit the ASCENT Supplemental Information Form.

**Military Students:**

Applicants who have served or are currently serving in the US military should apply as either a first-year or transfer student depending on their academic record. UNC participates in the Yellow Ribbon Program as well as other VA Education Benefits such as the Post 9/11 and Montgomery GI Bill®. For information regarding using Veteran Benefits, please visit [www.unco.edu/registrar/registrar-veteran-services/](http://www.unco.edu/registrar/registrar-veteran-services/). UNC's Veterans Services office is located in Roudebush Cottage and acts as a liaison and advocate for our military student community by providing the appropriate resources and giving each student the individual attention they deserve.

**PLEASE NOTE: All UNC admission based scholarships, including but not limited to the UNC Provost, Presidential & Trustee awards, are considered by UNC to be the university's match for the Yellow Ribbon Program. Please contact the Office of Financial Aid about other scholarship applicability.**

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill).*

**Transfer Student Admission**

**Completing an Application:**

Applications should be completed online at [www.unco.edu/admissions](http://www.unco.edu/admissions). Admission decisions will not be rendered until application files are complete which includes the online application and supplemental required documentation.

**No portion of an applicant's previous collegiate record can be omitted. Students who fail to list all institutions previously attended may forfeit admission to UNC and/or student conduct regulations may apply.**

Transfer applicants must submit:

- Online application for admission
- \$50 non-refundable application fee (or need-based waiver)
- Official college transcripts from **every** regionally accredited college or university attended
- Official final high school transcript – transcripts are required as part of the admission application if students are transferring fewer than 24 college-level semester hours.
  - Final high school transcripts or proof of high school graduation (diploma) are required for transfer students who do not possess an associate's or

bachelor's degree due to federal financial aid regulation.

Note: Transcripts from a study abroad experience and transcripts from high school concurrent coursework will not hold an admission decision. However, official transcripts from original institutions must be received in order for credit to be granted.

Documents that may be requested:

- Crime or suspension documentation
- Letter(s) of recommendation
- GED scores

**Final High School Transcript:**

Final high school transcripts or proof of high school graduation or the equivalent (diploma or GED scores) are required for all incoming students who do not possess an associate's or bachelor's degrees. Transfer students must submit final high school transcripts before financial aid will be disbursed.

**Transfer Evaluations:**

If a student is admitted, transfer evaluations are completed by the Office of the Registrar. For additional information about transfer credit evaluations, please see the Transfer Evaluation (p. 63) catalog page.

**Transfer Application Deadlines:**

UNC is a rolling admission institution. Applications completed by the Priority Deadline receive priority consideration for admission, financial aid, and scholarships.

Semester	Application Opens	Priority Deadline	Deadline
Fall	August 1	June 1	August 1
Spring	February 1	November 1	December 1

Students will not be admitted after the add deadline of each semester for the 16 week fall/spring calendar which can be found on the Office of the Registrar website. For summer term, students will not be admitted after the latest session's add deadline.

**Admission Requirements:**

Minimum admissions standards are set by the State of Colorado's Department of Higher Education.

Transfer students are expected to have been in good academic standing at all previous institutions. Strong candidates for admission have a minimum of 24 college-level credit hours and a cumulative 2.4 GPA or higher from all institutions attended.

Students with less than a 2.39 cumulative GPA from all previous institutions are encouraged to apply. Any negative grade trends or failing grades should be explained in a

personal statement. If transfer students have fewer than 24 college-level courses, high school academics can also be taken into consideration.

### **Programs with Additional Admission Requirements:**

Admission into UNC does not mean admission into all majors. The following programs have additional admission requirements. Please refer to the academic areas of the catalog for additional program requirements.

- American Sign Language English Interpretation BA (p. 113)
- Dietetics BS (p. 172)
- Music (p. 103) (all concentrations)
- Nursing B.S.N. (p. 295)
- Nursing B.S.N. RN to BSN (p. 299)
- School of Theatre Arts and Dance (all B.F.A. degree and K-12 Teaching concentration)

### **Military Students:**

Applicants who have served or are currently serving in the US military should apply as either a first-year or transfer student depending on their academic record. UNC participates in the Yellow Ribbon Program as well as other VA Education Benefits such as the Post 9/11 and Montgomery GI Bill®. For information regarding using Veteran Benefits, please visit [www.unco.edu/registrar/registrar-veteran-services/](http://www.unco.edu/registrar/registrar-veteran-services/). UNC's Veterans Services office is located in Roubush Cottage and acts as a liaison and advocate for our military student community by providing the appropriate resources and giving each student the individual attention they deserve.

**PLEASE NOTE: All UNC admission based scholarships, including but not limited to the UNC Provost, Presidential & Trustee awards, are considered by UNC to be the university's match for the Yellow Ribbon Program. Please contact the Office of Financial Aid about other scholarship applicability.**

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill).*

### **High School Concurrent Coursework:**

Students who have completed college coursework from a regionally accredited institution while in high school must submit an official transcript from the college/university before the coursework will be evaluated. A grade of "C-" or better is required for courses to transfer. Remedial and some technical/vocational credits may not transfer. College credit completed while in high school may count towards UNC degree requirements but cannot be used to classify a student as a transfer student for admission and/or transfer scholarship eligibility purposes.

### **International Admission**

Admission requirements for undergraduate International Students are found in the UNC Undergraduate catalog and at [www.unco.edu/international-admissions/explore-unc/admission-requirements.aspx](http://www.unco.edu/international-admissions/explore-unc/admission-requirements.aspx). You may also contact International Admissions at 970-351-2831 or [international@unco.edu](mailto:international@unco.edu).

An international student is a student who is not a citizen of the United States or classified by United States Citizenship and Immigration Services (USCIS) as a Legal Permanent Resident (Green Card holder). International applicants must meet English proficiency requirements, as well as academic requirements prior to being admitted to the University without additional stipulations. Application for admission for an individual holding refugee or asylee status is also processed by International Admissions. Legal Permanent Residents and undocumented applicants, if it is determined Intensive English Language training is needed, are also processed by International Admissions. There are specific application requirements for students with any of the aforementioned statuses. Please contact the International Admissions Coordinator at 970-351-2831 for assistance, or visit the International Admissions website at [www.unco.edu/international-admissions/](http://www.unco.edu/international-admissions/).

All applications must be submitted 90 calendar days before the semester start date. Supporting materials and related credentials must be received by the Graduate School and International Admissions no later than 60 calendar days before the semester that the student wishes to enroll (see [www.unco.edu/international-admissions/](http://www.unco.edu/international-admissions/) for deadlines). Upon application approval, international applicants will be sent a letter of admission and the proper immigration forms will be issued.

International applicants must take these steps to be considered for admission:

1. Complete the online Undergraduate International Application.
2. Pay the non-refundable application fee.
3. Submit official transcripts. Official high school transcripts and graduation certificates need to be submitted in an envelope sealed by the issuing institution or local ministry of education, unless:
  - a. you have completed more than 30 semester hours of college/university coursework
  - b. you have taken external examinations to complete your secondary education (e.g. GCSE, A Levels, GCE, etc.) – please request the official results to be mailed directly to us by the external examining body
4. Official transcripts, mark sheets, graduation certificates and degree certificates from all colleges/universities attended need to be submitted in an envelope sealed by the issuing institution or local ministry of education.

Official transcripts from US colleges/universities need to be sent to us directly from the institution's Registrar's office.

5. All documents issued in a foreign language must be accompanied by a certified literal and complete English translation.
6. Provide evidence of English language proficiency. Submit official minimum scores of one of the following:
  - a. TOEFL iBT: 72 with cut scores no lower than: Listening (16), Reading (16), Speaking (18), and Writing (18)
  - b. IELTS: 6.0 with subscores no lower than 5.5 in each of the following proficiency areas: Listening, Reading, Writing, and Speaking
  - c. English3 Proficiency Test: 60 E3PT with a minimum of 15 in each of the following: Listening, Reading, Writing, and Speaking
  - d. UNC IEP: Level 6

*Majors within the College of Business require a minimum TOEFL score of 80 iBT with cut scores no lower than: Listening (16), Reading (16), Speaking (20), and Writing (22).*

#### Insufficient GPA

International applicants whose US GPA equivalent is between 2.0 – 2.49 may be admitted with a stipulation that they obtain a cumulative GPA of at least 2.5 on the first 12 credit hours of academic coursework at UNC in order to remain enrolled. No student will be permitted to register for an additional semester unless the specified requirement is met. Failure to meet the requirement within the specified timeframe will result in the closure of the student's program by International Admissions.

#### Insufficient English Proficiency

International applicants whose academic record meets the minimum International Admissions requirements but whose English language proficiency scores are insufficient or not provided may be considered for admission to UNC. However, as the provision for admission, they must first complete the Intensive English program or provide required scores on one of the following English proficiency tests: TOEFL or IELTS.

IEP students in upper levels in the program may also be simultaneously enrolled in academic courses. Concurrent enrollment applies to students who have been granted conditional or provisional admission to the university. IEP-only students are not eligible for concurrent enrollment at any time during their studies in the Intensive English Program. IEP students in levels 1 through 5 are not permitted to take any UNC undergraduate or graduate academic courses. Students who reach level 6 in the

program may concurrently enroll in up to three credits of academic courses. Students who reach level 7 in the program may concurrently enroll in up to six credits of academic courses. Concurrent enrollment credit limit is regulated by the Office of the Registrar and its policies on the maximum credit load per semester.

#### Intensive English Program

##### Admission:

The Intensive English Program (IEP) serves as a pathway for non-native English speakers to enhance linguistic and cultural competencies required for full admission. Applicants must have completed high school or the equivalent to be considered for admission into the Intensive English Program at the University of Northern Colorado. Both resident and international applicants are considered for admission. IEP students with F1 or J1 visas are required to register as full-time students. Students are full-time if enrolled in 18 classroom hours per week based on federal guidelines 8 CFR 214.2(f)(6)(i). F2 visa holders are not allowed to be full time. All applicants must submit a UNC Intensive English Program application, copies of their most recent transcripts with English translations, and the application fee. International students must also provide copies of the bio page of their passport and financial documents. Documents must be submitted to the Office of Global Engagement.

##### Program Structure and Length:

The Intensive English Program (IEP) consists of 7 levels: from Low-Basic to Graduate. IEP levels correspond to the Common European Framework of Reference for Languages (CEFR). There are four core courses in the program: Speaking and Listening, Writing, Grammar, and Reading and Vocabulary. In addition, there are several skill courses available, such as English Pronunciation and Academic Vocabulary. For more information about each course, please refer to the catalog course descriptions.

The Intensive English Program at the University of Northern Colorado offers five eight-week sessions throughout the year in accordance with UNC's academic calendar: Fall 1 and Fall 2 sessions coincide with UNC's fall semester, Spring 1 and Spring 2 sessions coincide with spring semester, and the eight-week summer session coincides with the eight-week academic session. In accordance with rolling admission, applicants may choose to begin in any of the five sessions. The number of sessions students need to complete the program successfully is based on their initial proficiency and placement assessment.

## Financial Aid, Rates and Student Fees

### Financial Aid

The Office of Financial Aid administers and distributes aid in the form of grants, scholarship, employment and loans to help students (families) meet college costs (tuition, fees, books, room, board and transportation). For more information, visit the office webpage at [www.unco.edu/ofa](http://www.unco.edu/ofa). The office administers federal, state, institutional and private sources of aid.

### Applying for Financial Aid:

Most financial aid is considered need-based while others are based on merit (academics, talent or performance). To qualify for need-based programs, the student must demonstrate financial need. Need is defined as the difference between the cost of attendance and what the family (both student and parents/spouse where applicable) can reasonably afford to pay toward that cost. The cost of attendance is created by the college and consists of anticipated costs a full-time student will reasonably experience for the traditional school year. The family is considered to be the first source in meeting those educational costs. To determine the family's share, the family's income and assets are reviewed to calculate what is called the expected family contribution (EFC). UNC uses the Free Application for Federal Student Aid (FAFSA) to initiate this process. With completion of the FAFSA, UNC will consider a student to have applied for all federal, state and institutional need-based aid programs. Scholarships can require both need and merit evaluation.

The FAFSA form is available online at [www.studentaid.gov](http://www.studentaid.gov). To receive the maximum amount of funding, the application must be completed by March 1 prior to each award year. An application processed after March 1 is considered late and the applicant will have limited funding opportunities.

### Apply for Scholarships:

Students must be admitted to UNC by February 1 to be considered for most scholarships. Even though eligibility for some UNC scholarships is based on information obtained from the admission application, students are strongly encouraged to complete the UNC Universal Scholarship Application each year before the February 1 deadline. The application can be filled out online through Ursa. A listing of all scholarships available through UNC is located at [www.unco.edu/ofa](http://www.unco.edu/ofa).

A comprehensive list of local and national scholarships is available at most local libraries or web searches. Students are encouraged to use a free and reputable search site for scholarship listings on the internet. Research your choices and use caution. Contact the aid office if you have concerns.

Scholarship funds do not have to be repaid and as stated earlier, are awarded on the basis of academics, talent and/or performance. Other criteria often exist for individual scholarships and are set by the donor.

### Offer:

Financial aid is offered on the basis of need and may include an offer of grants, scholarship, employment and loans. Most financial aid is available in limited amounts to help students finance school expenses. However, while college costs continue to rise, federal and state aid does not rise at the same rate. Consequently, families must increasingly rely upon their own funds to pay for school. Students are expected to arrive on campus with funding for books, tuition, fees, housing and utility deposits as well as other expenses associated with the beginning of the year. Financial aid funds are usually available at the beginning of each semester to be used as a credit toward charges on the student's bill. A refund will be deposited in the student's banking account if the aid exceeds all institutional charges. Financial aid is typically offered for an academic year (fall/spring).

Renewal of financial aid is not automatic. A FAFSA must be completed for each academic year before the March 1 priority date. The student's academic progress as well as financial need determine the continuance of funding.

### Grant Funds:

Grant funds are offered on the basis of financial need. The core grant funds available at UNC are the Federal Pell Grant, Federal Supplemental Opportunity Grant and the Colorado State Grant. The Colorado Student Grant is funded through the Colorado General Assembly. Grant funds do not require repayment unless a student fails to complete the term of enrollment.

### Student Employment:

UNC offers a number of employment opportunities. Federal and State Work-Study programs provide on- and off-campus jobs to students demonstrating financial need. Colorado No-Need Work Study is available on a limited basis to undergraduate Colorado residents. Students must contact the office to evaluate consideration for this type of assistance. Students who do not qualify for work study programs can find part-time hourly positions both at the University and off-campus. Aid received as part of a work program does not have to be repaid.

### Educational Loans:

UNC participates in the following programs: Federal Direct Subsidized and Unsubsidized Stafford Loans and Federal Direct Parent Loans for Undergraduate Students (PLUS). Eligibility for all loans is determined by completion of the Free Application for Federal Student Aid (FAFSA). A Federal Direct Subsidized Stafford Loan is based upon need. Federal Unsubsidized Stafford Loans and PLUS Loans are not based on need. PLUS Loans

require approved credit by the US Department of Education.

Loan funds plus applicable interest must be repaid, usually after graduation. Each loan should be evaluated carefully and the terms and conditions regarding interest and repayment understood. Some loans have cancellation and deferment provisions. After being awarded a loan, students must accept the loan(s) on Ursa. Students and/or parents will also need to complete a Master Promissory Note and entrance counseling on the Federal Direct Loan website.

### **Satisfactory Academic Progress Standards:**

The Office of Financial Aid is responsible under federal regulations for establishing and monitoring minimum acceptable progress for the continuation of financial aid. The standard of satisfactory progress must include a student's total academic history at UNC plus any transfer credits. In order to be eligible to receive financial aid, the student must be making satisfactory progress toward a degree program, regardless of whether they have previously received financial assistance. For a more detailed explanation of these policies, the Standards of Satisfactory Academic Progress Policy is available on our website.

### **Refund and Repayment:**

Tuition adjustments resulting from a complete withdrawal (official or unofficial) from the university may affect the financial aid the student has received. Credit balances are generally returned to financial aid accounts. Students can refer to [www.unco.edu/bursar](http://www.unco.edu/bursar) for more explanation.

Any student withdrawing from the university who has received their financial aid for that semester may be required to repay the financial aid. For a more detailed explanation of these policies, refer to the "Return of Title IV Refund Policy" at [www.unco.edu/ofa](http://www.unco.edu/ofa).

### **Student Fees**

General University, student and health service fees are committed to support essential student activities and programs, the health service record requirements and the Student Representative Council. Every student must pay these fees each semester, whether or not they make use of the privileges and activities underwritten by the fees.

For current tuition and pricing, visit [www.unco.edu/costs](http://www.unco.edu/costs).

### **Other Fees**

In addition to general tuition and fees, and room and board rates for students who choose to purchase those services, a number of other fees have been established by the Board of Trustees. Such fees assessed for employment opportunity assistance services, transcripts, etc., refer to [www.unco.edu/costs](http://www.unco.edu/costs) for more information.

### **Payment**

*By applying for admission, registering for classes or allowing charges to be added to their account, the student represents to UNC that they have the intention and ability to pay and they promise to pay for all charges placed on their account as well as any service charges or collection fees, if any, that may be due.*

The University of Northern Colorado uses a secure electronic billing (e-billing) system. The student will receive notification of an available electronic bill (e-bill) via an e-mail sent to their university-assigned e-mail (BearMail) address. E-bill notifications will be sent only to the student unless the student has added an authorized user to their student account and the authorized user has submitted a valid e-mail address for receipt of e-bill notifications. Payment is due on or before the **Payment Due Date** shown on the electronic bill. Failure by a student or an authorized user to check e-bill availability will not constitute valid grounds for waiving late-payment penalties or registration, grade, diploma or transcript holds.

Payments from Financial Aid will be automatically posted to the student's UNC bill. Any excess funds will be deposited to the student's checking account or a check will be generated for pick up by the student.

A service charge of 1.5% of the unpaid balance will be added to the student's account if payment is not received in the Cashier's Office by the due date. Service charges are figured on the student's account by applying the service charge rate to the previous balance owed at the billing date minus any credits made to the account during the previous billing cycle. The annual percentage rate (APR) that corresponds to this service charge is 18%.

The University will accept payment on the student's account by cash, check, money order, bank wire, Visa, MasterCard, Discover, American Express, direct payment through financial aid and through the Credit Available for Student Employees at UNC (CASE-UNC). To learn more about the CASE-UNC plan please contact the Office of Student Employment in Carter Hall. Check or cash payments are accepted in person at the Cashier's Office in the Campus Commons. Payments can also be made with MasterCard, Visa, Discover, American Express, check (ACH), or bank wire through the Web. Credit card payments will be charged a 2.85% convenience fee. This fee goes to our bank processor and not to UNC. Visit our website: [www.unco.edu/bursar](http://www.unco.edu/bursar).

**The University of Northern Colorado will not register a student, release a diploma, provide a transcript, or supply employment opportunity assistance and other University services to any student or former student who has an outstanding financial obligation to the University other than a loan that is not yet due or on which payments are up-to-date. Also, failure to pay a financial obligation to the University when it is due may**



**result in the student's account being placed with a collection agency and such action reported to a credit bureau. In addition, the student's account may be charged legally allowable collection fees and attorney fees needed to collect or enforce the student's indebtedness.**

**Registration Cancellation.** The last day to drop all advance registered classes, without being assessed a fee, is the last day of the drop period ([www.unco.edu/registrar](http://www.unco.edu/registrar) for more information). When applicable, the student will also pay the new enrollment fee and housing deposit.

**Fees for Course Withdrawals.** The last date to withdraw from individual courses is the Friday prior to Final Exam week for full semester courses. The respective full semester course withdrawal deadline is published on the Office of the Registrar website at [www.unco.edu/registrar/calendars](http://www.unco.edu/registrar/calendars). Special/short-semester course withdrawal deadlines are published on the Office of the Registrar website.

Changes in tuition, fees, and other charges can occur during the Add and Drop periods if the individual credit hours change. After the Drop deadline, no changes in tuition and fees will occur.

Students who choose to withdraw from all of their courses must do so by the respective withdrawal date(s) published on the Office of the Registrar website.

**NOTE:** *100% of non-refundable fees will be assessed. These fees include graduation, health insurance, housing damages, ID card replacement, lab equipment not returned, lost athletic equipment, lost library books and fines, parking fines, returned check service charges, unpaid cash advances, etc. Some federally funded aid programs mandate a different withdrawal computation.*

All amounts owed to the University are due and payable as of the date of the withdrawal. Only charges for room and board may be pro-rated based on the date of the withdrawal.

If a more complete explanation of the above policies is required or if individual circumstances warrant review, the student should contact the Bursar's Office.

### Rates

All rates quoted in this Catalog are approved by the Board of Trustees and are subject to change.

Updated information about tuition and fees will be available from Accounts Receivable after June 30 of each year.

*For current tuition and pricing, visit [www.unco.edu/costs](http://www.unco.edu/costs).*

### Undergraduate Student Definitions

A student is considered to pay undergraduate tuition rates if they have not previously earned a baccalaureate degree.

### College Opportunity Fund (COF)

The College Opportunity Fund – referred to as COF – is the way Colorado provides financial support for resident undergraduate students. The Colorado Legislature sets the COF stipend amount each year and the stipend amount is the same for all students, regardless of which college they attend. For current tuition and pricing, visit [www.unco.edu/costs](http://www.unco.edu/costs).

To be eligible to receive the COF stipend, students must be classified as residents of Colorado and be enrolled as an undergraduate. Students must also complete a one-time online application at [cof.college-assist.org](http://cof.college-assist.org) and must authorize payment of the COF stipend to UNC during the registration process through their Ursa account.

In order to use the COF stipend, students must be registered for a course before the course census date. There may, however, be legitimate administrative reasons that may allow COF eligibility. UNC adheres to the Colorado Department of Higher Education College Opportunity Fund Guidelines.

If an eligible student applies for COF and authorizes payment to UNC, the stipend will be paid to UNC for the student, and the authorized amount will be applied directly to the student's bill. Additional information regarding COF can be found on the UNC website at [www.unco.edu/cof](http://www.unco.edu/cof).

### Tuition and Fees: Non-Resident, Resident

Tuition and Fees are calculated on the total cumulative hours that a student is enrolled in each academic term.

Students auditing a course (taking it for no credit) are required to pay the same tuition and fees required when the course is taken for credit.

Tuition and fees for classes taken through Extended Campus may differ from on-campus charges and are subject to the Colorado Commission on Higher Education Extended Studies policies.

*For current tuition and pricing, visit [www.unco.edu/costs](http://www.unco.edu/costs).*

### Tuition Classification: Out-of-State and In-State

Students who are classified as in-state are permitted to enroll at the University at a significantly lower tuition rate because the University is assisted by the taxpayers of Colorado in addition to the student tuition and fees. The determination of a student's tuition status is provided for under State Law Title 23, Article 7, Colorado Revised Statutes 1997 Repl. Vol., 1994 Supplement.

A person who has been domiciled in Colorado for one year or more immediately preceding the start of an academic term may be eligible for in-state tuition classification. A domicile is a person's true, fixed and permanent home and place of habitation. It is the place where the student intends to remain and where they expect to return to when they

leave, without intending to establish a new domicile elsewhere. It differs from the notion of residence or mere physical presence within the state. A person may have several places of residence, but may have only one true domicile at a given time.

A person is capable to begin establishment of a Colorado domicile if they are 22 years of age, married or if they have been emancipated. Evidence of emancipation includes the person's ability to meet all financial obligations including the cost of education, along with an affidavit from the student's parents stating their relinquishment of any claim or right to the care, custody and earnings of the minor. The qualified individual must be 23 years of age by the first day of the semester in which claiming in-state resident classification.

Evidence that a Colorado domicile has been established includes the observance of all mandatory duties imposed on domiciliaries. State requirements concerning auto registration, driver's license and payment of state income tax must be met for the full one-year period.

A student's tuition classification is determined at the time of admission. If at a later date, the student believes the classification is no longer correct, they must petition for a change in tuition classification by the published deadlines.

Petitions can be submitted to the Tuition Classification Officer in the Office of the Registrar no later than two weeks prior to the first day of classes for the given term that the student desires a change in classification. Under exceptional circumstances, petitions may be accepted up to the 1st day of the semester. Tuition classification changes cannot be applied retroactively to previous term(s).

Any student who is denied in-state classification after petitioning may appeal that decision in writing to the Tuition Classification Appeals Committee. The appeal must be submitted to the Tuition Classification Officer no later than 10 days after the denial has been sent to the student. The decision rendered by the Tuition Classification Appeals Committee is the final University determination.

Petitioning for in-state tuition classification requires the student to complete a detailed form available in the Office of the Registrar (Bear Central) or online at [www.unco.edu/registrar/residency/residency-process.aspx](http://www.unco.edu/registrar/residency/residency-process.aspx). This form and other relevant information will be reviewed and a decision rendered in accordance with the state law and authorized procedures.

Honorably discharged veterans, Armed Forces personnel and their dependents should contact the Tuition Classification Officer for information regarding qualification for the lower in-state tuition rate. Military tuition classification can be updated at any time during the current term, but it cannot be applied retroactively to a previous term. The Tuition Classification Officer can be reached in the Office of the Registrar.

## Registration

### ASCENT (Accelerating Students through Concurrent ENrollment) Program

A student who has completed at least 12 credit hours of transcribed post-secondary credits (non-remedial) prior to completion of their 12th grade year may be eligible for the ASCENT Program ("Program"). The student remains a pupil in their Local Education Provider (LEP) for one year following their 12th grade year, and the LEP receives ASCENT-specific state funding that is used to pay the student's college tuition.

The following information and requirements apply to the Program students:

- A student must attend UNC new student orientation.
- A student must meet the same prerequisites and course expectations as noted in the UNC catalog and the course syllabus.
- Admission into the Program is not admission into a degree-seeking program at UNC. However, the grade the student receives will be on their permanent UNC academic transcript. Please visit [www.unco.edu/registrar/etranscripts.aspx](http://www.unco.edu/registrar/etranscripts.aspx) for ordering information. Credits earned in the course(s) completed may transfer from UNC to another college or university if allowed by that institution. The student should check with the institution that will be attended regarding transfer of credits.
- A student (or the student's parent/guardian if the student is under 18 years of age) is responsible for payment to UNC of tuition and fees for Program courses not paid by the student's high school.
- If a student drops or withdraws from a Program course, they must contact the Office of the Registrar at 970-351-4UNC (4862) by the UNC-posted deadline, otherwise the student will receive a grade for course work completed during the semester. The student (or the student's parent/guardian) will be responsible for payment to UNC of tuition and fees for any Program course from which the student did not drop or withdraw by the UNC-posted deadline. The deadlines may be found at [www.unco.edu/registrar/calendars](http://www.unco.edu/registrar/calendars).
- A student (or the student's parent/guardian) is responsible for payment of books and other materials required by the Program course(s) in which the student is enrolled.
- A student is subject to all relevant provisions of the UNC Student Code of Conduct. Information may be found at [www.unco.edu/dean-of-students/](http://www.unco.edu/dean-of-students/)
- A student is subject to the Academic Standing Policy (p. 24) applicable to other full-time students.
- A student is not eligible for privileges provided to UNC degree-seeking students. Thus, a student is not entitled

to participate in other college activities including but not limited to student organization or intercollegiate or club sports and is not eligible for financial aid including but not limited to federal- or state-funded aid, or institutional scholarships.

### Audit

When students audit a course, there is no need to complete assignments or exams, but students are expected to attend class. If students don't attend class they may be removed from the roster. If students successfully complete the class, they will be given a grade of "NC" (no credit). **Tuition and fees are charged for audited courses and the course is not eligible for the COF stipend.** Current students wanting to register for an audit course must contact the Office of the Registrar to change their registration status to an audit. Students may not change the status for any course, including audit courses, after the add deadline for a given term. For visiting students, please contact the Office of the Registrar at 970-351-4UNC (4862).

If you are age 65 or older and wish to audit a course, you may do so with **no tuition charge (course fees may apply)**. Registration may occur beginning the first Monday following the last day of pre-registration for UNC students. Registration is subject to space availability. If you have any questions or need additional information, please contact the Office of the Registrar at 970-351-4UNC (4862).

### Availability of Main Campus Seats for Extended Campus Programs

Undergraduate students in Extended Campus distance education programs may wish to take Liberal Arts Curriculum and/or elective course(s) that are not offered via Extended Campus in a specific term. If seats are available in eligible courses offered through Main Campus, Extended Campus will seek to acquire these seats in order to make them available at Extended Campus tuition rates. To be eligible for seat acquisition, the course must fulfill a Liberal Arts Curriculum and/or elective requirement in the student's Extended Campus Program and be scheduled as a state-funded and distance-delivered course.

Undergraduate students in Extended Campus distance education programs wishing to acquire a seat through this process must contact the Extended Campus Program Services Coordinator at [extended@unco.edu](mailto:extended@unco.edu) or at 970-351-2944 in advance of the course(s) add deadline to ensure adequate time for processing. Add/Drop Deadlines are available at [www.unco.edu/registrar/calendars](http://www.unco.edu/registrar/calendars). Seat acquisition approval is not guaranteed.

Once notified, the Extended Campus Program Services Coordinator will contact the appropriate main campus instructor(s), chair(s), director(s), and/or coordinator(s) to determine whether seats can be made available. If so, the

Extended Campus Program Services Coordinator will assist the student with registration.

### Classes for Personal Interest

Non-degree seeking students must submit a non-degree seeking application online. The application can be found at: [www.unco.edu/registrar/non-degree](http://www.unco.edu/registrar/non-degree). Students cannot have been previously denied admission by the Admissions Office.

### Directed Study and Non-Scheduled Courses

#### Directed Study Course

Directed Study courses are available in most disciplines. These are identified within this publication by course number 422. The Directed Study course provides a vehicle to allow a qualified student to receive University credit for an individualized investigation under the direct supervision of a UNC faculty member. Directed Study courses cannot be used for Liberal Arts Curriculum credit. For more information, refer to the UNC Catalog or contact the Office of the Registrar, (970) 351-4862. No faculty member will be authorized to supervise a Directed Study during a semester that they are not actually employed on-campus at UNC.

The investigation must be on a specific topic that is not duplicated by an existing course within the University's curriculum. The nature of the study must involve intensive use of relevant literature, materials, or techniques, and the study report must reflect a synthesis of the information or techniques acquired. The following policies apply for registration in Directed Study courses:

1. An individual Directed Study course may be for no more than 4 semester hours of credit per academic semester. Students enrolled in more than one Directed Study course may take no more than six credits in any semester. A study may be further limited to the maximum number of credits listed in this catalog.
2. The student should apply through the program in which they are doing the study.
3. Permission to engage in a Directed Study for credit must be approved by the faculty member supervising the study, and the school director/department chair of the major program. The Directed Study form must be submitted to the Office of the Registrar at the time of enrollment. A rationale for course credit form should be completed and filed in the academic program office. Forms are available only through the school in which the study is supervised.

#### Non-Scheduled Course

Courses that were approved through the institutional curriculum approval process and reside in the academic catalog may be offered as non-scheduled courses.

Non-scheduled courses are offered in one of the following situations, either the course is not being offered during a particular term and the student needs the course to graduate or the course is offered at a time the student cannot attend and the student needs the course to graduate.

Permission to register for a non-scheduled course(s) must be approved by the faculty member and the school director/department chair of the major program. A Non-Scheduled Course form for each course must be submitted to the Office of the Registrar by the appropriate semester add deadlines.

### Dual Enrollment Program

The UNC Dual Enrollment Program ("Program") provides opportunities for high school students to take college level course work delivered at a high school location. The following information and requirements apply to the Program students:

- A student must meet the same prerequisites and course expectations as noted in the UNC catalog and the course syllabus.
- Admission into the Program is not admission into a degree-seeking program at UNC. However, the grade the student receives will be on their permanent UNC academic transcript. Please visit [www.unco.edu/registrar/etranscripts.aspx](http://www.unco.edu/registrar/etranscripts.aspx) for ordering information. The credits earned in the course(s) may transfer from UNC to another college or university if allowed by that institution. The student should check with the institution that will be attended regarding transfer of credits.
- A student with a GPA below 2.0 in a Program course(s) completed will be placed initially on academic probation if the student is subsequently admitted to UNC in a degree-seeking program.
- A student who earns a grade of "C-" in a Program course(s) has the option thereafter to register for additional course(s) to provide the student the opportunity to maintain a UNC GPA at or above 2.0.
- A student who earns a grade lower than a "C-" in a Program course will no longer be eligible to participate in additional Program courses.
- A student (or the student's parent/guardian if the student is under 18 years of age) is responsible to UNC for payment of tuition and fees for Program courses.
- A student is not eligible for privileges provided to UNC degree-seeking students. Thus, a Program student is not entitled to participate in other college activities including but not limited to student organizations or intercollegiate or club sports and is not eligible for financial aid including but not limited to federal- or state-funded aid, COF, or institutional scholarships.
- A student who requests to drop or withdraw from a Program course must meet with their high school

counselor or equivalent high school administrator and complete the Dual Enrollment Drop & Withdrawal Form located at [extended.unco.edu/courses/dual-enrollment/register](http://extended.unco.edu/courses/dual-enrollment/register). The student (or their parent/guardian if the student is under 18 years of age) is responsible for understanding the UNC add/drop and withdrawal policies.

- A student is subject to all relevant provisions of the UNC Student Code of Conduct. Information may be found at [www.unco.edu/dean-of-students/pdf/Student-Code-of-Conduct.pdf](http://www.unco.edu/dean-of-students/pdf/Student-Code-of-Conduct.pdf).

### High School Concurrent Enrollment Program

The State of Colorado provides several options for high school students who meet high school standards to begin college early. The purpose of these options is to promote content standards and provide academic challenges and access to courses that may not be available at a local high school to meet high school graduation requirements.

A student under twenty-one years of age who is enrolled in the 9th - 12th grade in a school district and who has demonstrated academic preparedness is eligible for the High School Concurrent Enrollment Program ("Program").

The following information and requirements apply to the Program students:

- A student must meet the same prerequisites and course expectations as noted in the UNC catalog and the course syllabus.
- Admission into the Program is not admission into a degree-seeking program at UNC. However, the grade the student receives will be on their permanent UNC academic transcript. Please visit [www.unco.edu/registrar/etranscripts.aspx](http://www.unco.edu/registrar/etranscripts.aspx) for ordering information. The credits earned in the course may transfer from UNC to another college or university, if allowed by that institution. The student should check with the institution that will be attended regarding transfer of credits.
- A student with a GPA below 2.0 in a Program course(s) completed will be placed initially on academic probation if the student is subsequently admitted to UNC in a degree-seeking program. A student who earns a grade of "C-" in a Program course(s) has the option thereafter to register for additional course(s) to provide the student the opportunity to maintain a UNC GPA at or above 2.0.
- A student who earns a grade lower than a "C-" in a Program course will no longer be eligible to participate in additional Program courses. A student (or the student's parent/guardian if the student is under 18 years of age) is responsible for payment to UNC of tuition and fees for Program courses not paid by the student's high school.

- A student is not eligible for privileges provided to UNC degree-seeking students. Thus, a student is not entitled to participate in other college activities including but not limited to student organizations or intercollegiate or club sports and is not eligible for financial aid including but not limited to federal - or state -funded aid, or institutional scholarships.
- If a student withdraws from the course at UNC after the drop date the student will receive a grade of "W". Otherwise, the student will receive a grade for the course work completed during the semester. The student (or the student's parent/guardian) will be responsible for payment to UNC of tuition and fees for any Program course from which the student did not drop or withdraw by the UNC-posted deadline. The deadlines may be found at [www.unco.edu/registrar/calendars](http://www.unco.edu/registrar/calendars).

### Inactivation of Ursa account

Students who have not been in attendance at UNC for a year or more will have their Ursa accounts inactivated.

### Instructional Methods

The University of Northern Colorado delivers courses through various instructional methods as prescribed by the Department of Education. The following list provides a description of the delivery methods of course offerings at UNC:

1. **Face to Face:** Students meet with the instructor at regularly scheduled times (synchronous learning), primarily in a classroom. Students in face-to-face courses will normally be expected to be physically present for all or part of the term/semester (will have classroom and day/times) Instructors and students are in same physical space for greater than 75% of contact hours
2. **Mixed Face to Face:** A course where a portion of traditional face-to-face instruction is replaced with web-based online learning (e.g., video lectures, online discussions, or activities). The amount of face-to-face instruction that is replaced by online coursework in these classes varies greatly by institution, class, discipline, and learning objectives. Instructors and students are in same physical space between 25 and 75% of contact hours.
3. **Online Synchronous:** Education delivered exclusively via the internet to students who are separated from the instructor or instructors but meet at regularly scheduled times to support regular and substantive interaction between the students and the instructor or instructors. No classroom is required.
4. **Online Asynchronous:** Education delivered exclusively via the internet to students who are separated from the instructor or instructors. Regular and substantive

interaction between students and the instructor or instructors is required, but students are not required to be online at a regularly scheduled time.

5. **Individualized Instruction:** An individualized investigation under the direct supervision of a current UNC Faculty member.
6. **Internship/Practica/Clinical:** Students engage in practical or experiential hands-on learning as the primary component of the course

### Interim Winter Session

Currently enrolled, new and returning students, visiting students and transfer students are eligible to register for the Interim Winter Session. Students whose cumulative GPA is less than 2.00 are not eligible to register for the Interim Winter Session. Due to the short duration of the Interim Winter Session, there is a 4 credit registration limit; no overloads will be permitted.

### Overloads

More than 18 credit hours for Fall and Spring semesters and 15 credit hours for the Summer semester are considered overloads for undergraduate students. Interim Winter Session has a 4 credit hour limit; no overloads will be permitted. Students requesting overload credits must have a 3.00 or higher cumulative grade point average.

- In addition, specific colleges, schools and programs may have additional conditions regarding overloads. It is the student's responsibility to meet these conditions.
- Undergraduate students who have lower than a 3.00 GPA (including any first term student with no UNC cumulative GPA) but have extenuating circumstances may petition for an overload from the student's major advisor and school director.

Overloads of more than 21 hours require approval by the student's major advisor and school director. All approvals must be forwarded to the Office of the Registrar, who will assure that these procedures have been followed.

### Registration Appeals

You may find yourself in need of filing a registration appeal in the following cases:

- You need to drop or withdraw from a course after the deadline.
- You're requesting an adjustment to the tuition and fees charged to you despite your withdrawal from a course.

### Appeal Process and Submission

- Complete the Registration Appeal form and submit all required documentation. Failure to submit documentation may result in your appeal being denied. The documentation should include the description of the circumstances and reasons for the appeal.

- Attachment of documentation is required for form submission. If you are only submitting a personal statement, type in the *Personal Statement* section type "See Attached" and attach your personal statement (Word or PDF).
- If you received financial aid, indicate that on the appeal form so it is routed to financial aid for approval.
- Submit the form. Since the form is an electronic form, you will receive notification that the form has been submitted to the Office of the Registrar. Once a decision has been made, you will receive an email letting you know that decision.

### Course Drop/Withdrawal Appeal During Current Semester

The course drop and withdrawal deadlines are strictly enforced. Any request for an exception to these deadlines must be submitted using the Registration Appeal Form. This appeal applies only to current semester registrations and must be filed in the Office of the Registrar prior to the end of the current semester.

- Course drop/withdrawal appeals will only be considered when there were extenuating circumstances beyond the student's control that kept the student from adhering to the normal deadlines. These extenuating circumstances could include medical conditions, death or illness in the family, unanticipated financial problems or University errors.
- Factors not accepted for a course drop/withdrawal appeal include, but are not limited to, such things as poor academic performance in a class, time management related situations or lack of adherence to/awareness of University policy and deadlines.
- If the student received financial aid, the student must indicate so on the form in order to have the appeal form routed to Financial Aid prior to submitting to the Office of the Registrar. Please visit [www.unco.edu/financial-aid/applying-for-aid/current-student.aspx](http://www.unco.edu/financial-aid/applying-for-aid/current-student.aspx) for more information.
- Submission of the student's request does not guarantee any type of refund.
- All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.
- The student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.

### Non-Attendee Retroactive Withdrawal Appeal

A non-attendee retroactive withdrawal appeal is permitted if the student registered for courses at UNC, never attended the institution, and did not notify the institution to be removed from courses.

The Registrar will determine, in consultation with faculty members, the Dean of Students and others as appropriate, if the retroactive withdrawal should be granted. If the student's appeal is submitted more than 90 days after the end of the course(s), University Leadership approval will be required in addition to the Registrar.

If granted, the courses will remain on the student's transcript with a grade of "UW", which does not impact the student's GPA, and tuition and fees will be adjusted if applicable. Certain charges related to the student's registration such as student insurance, fines, permits and/or emergency cash advances will be charged at 100%.

If the appeal is denied, the student will be charged 100% of tuition and fees, as well as certain charges related to the student's registration such as student insurance, fines, permits, and/or emergency cash advances.

All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.

The student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.

### Retroactive Withdrawal Appeal

A retroactive withdrawal appeal may be necessary when a student experienced extenuating circumstances, or an incident of such trauma and major proportions, that a student could not have reasonably been expected to possess the normal capabilities necessary to complete the academic period satisfactorily or complete a University withdrawal.

If granted, the courses will remain on the student's transcript with a grade of "W", which does not impact the student's GPA, and tuition and fees will be adjusted if applicable. Certain charges related to the student's registration such as student insurance, fines, permits and/or emergency cash advances will be charged at 100%.

If the appeal is denied, the student will be charged 100% of tuition and fees, as well as certain charges related to the student's registration such as student insurance, fines, permits, and/or emergency cash advances.

Factors not accepted for a retroactive withdrawal appeal could include, but are not limited to, such things as poor academic performance in a class, time management related situations, or lack of adherence to/awareness of University policy or deadlines. Partial course withdrawals will not be considered, only complete schedule withdrawals.

The Registrar will determine, in consultation with faculty members, the Dean of Students and others as appropriate, if the retroactive withdrawal should be granted. If an appeal is submitted more than 90 days after the end of the

course(s), University Leadership approval will be required in addition to the Registrar.

All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.

A student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.

### Tuition Appeal

A tuition appeal is necessary when a student is requesting an adjustment to the tuition and fees that were charged as a result of a complete University withdrawal.

- Tuition appeals will only be considered when there were extenuating circumstances that were beyond the student's control that necessitated a University withdrawal. These circumstances could include medical conditions, death or illness in the family, unanticipated financial problems, or university errors.
- Factors not accepted for a tuition appeal include, but are not limited to, such things as poor academic performance in a class, time management related situations, or lack of adherence to/awareness of University policy or deadlines.
- All petitions must be in writing and signed by the student, legal guardian, power of attorney, or executor (in case of death). Documentation may be required if the petition is from someone other than the student.
- The student should include a written statement describing the circumstances and reasons for the appeal and any required documentation.
- Upon receipt of the tuition appeal, an appeals committee will convene to determine whether or not to approve the request. A member of the appeals committee will contact the student via the student's BearMail with the decision. The committee's decision is final.

### Registration Procedures

A student must be registered to attend class. The Schedule of Classes can be found by accessing Ursa and selecting "Look Up Classes" or at [www.unco.edu/sched](http://www.unco.edu/sched). Current students are assigned times during the last part of the academic semester when they may register for courses offered in the following semester. Registration dates can be found on Ursa under the Student Tab, "Your Date to Register" link. Registration consists of the following processes:

- Check Registration Status on the Student Tab "Registration Status" or "View Your Holds" links in Ursa. These will show any holds that need to be cleared prior to registration.

- Undergraduate students require a new Personal Identification Number (PIN) each semester; PINs are distributed by the student's assigned advisor. Declared students are assigned an academic advisor in their major degree program. Advisor names can be found in Ursa, under Registration and Grades/Register for Classes by clicking on "View Student Information." If an advisor name is not present, the student may call the department of the specified major to have an advisor assigned. Students declared as Exploring, are advised by Soar. The School of Nursing advises Exploring the Liberal Arts Nursing students.

The PIN changes each semester and is required in order to register for upcoming semester classes. Summer and Interim Winter Sessions do not require a PIN. Students who misplace a PIN should contact the advisor who issued the PIN. Students changing majors must meet with an academic advisor in the newly declared major to obtain a PIN.

- Colorado Resident Undergraduate should authorize Colorado Opportunity Fund (COF).
- Payment of student account.

New First Year students will register prior to their first semester during their scheduled Advising/Registration session. New First Year students are also encouraged to attend an orientation program that provides essential information about the University.

### Priority Registration

Students will be released for registration of future terms based on the number of credits they have successfully completed at the time that registration begins, starting with students who have the highest number of credits downward. However, priority registration is granted to specific groups with unique scheduling needs.

### Returning UNC Students

Students who have not attended UNC within the last 12 months will need to update their student information before they can register. Returning students must submit a Returning Student Application at [www.unco.edu/registrar/alumni-former-students/return-to-unc.aspx](http://www.unco.edu/registrar/alumni-former-students/return-to-unc.aspx).

### Schedule Changes (Adds/Drops)

#### Course Add

Schedule changes may be handled through Web Registration at [www.unco.edu/registrar/registration/](http://www.unco.edu/registrar/registration/) or at the Office of the Registrar.

Course add, drop and withdrawal deadlines are based upon the respective course part-of-term. Students may add courses using Ursa through the 5th day of the semester for full semester courses. After the 5th day of the semester all

adds require the signature of the instructor and must be processed at the Office of the Registrar on or before the drop deadline to be considered. For short and special part-of-terms courses, please refer to the Special Term/Short Course Report for deadlines.

- Days 6-10: Students may access the Course Late Add (Day 6-10) form on the Office of the Registrar website and email it to registrar@unco.edu or submit it to the Office of the Registrar. The add request form will only be available on the Office of the Registrar website during days 6-10. The request form may only be used for full semester courses.
- Only in unusual circumstances can a student add a course(s) after the respective add deadline. Students must complete a Petition to Late Add a Course form and either fax or submit it to the Office of the Registrar.

A course late add will only be approved with evidence of extenuating circumstances beyond the student's control that kept the student from adhering to the published deadline. Student lack of knowledge of the published deadlines does not warrant a petition.

To submit a petition:

- A student must have been academically engaged in the course on or before the drop deadline for the petition to be considered.
- The petition must include a written statement describing the circumstances that kept the student from adding the course prior to the deadline. A petition submitted without a reason will be denied.
- All required signatures must be obtained.

Students receiving financial aid are responsible for contacting the Office of Financial Aid to understand how this will affect their award amount.

In order to use the COF stipend, students must be registered for a course before the course census date (add deadline). There may, however, be legitimate administrative reasons that may allow COF eligibility. UNC will adhere to the Colorado Department of Higher Education College Opportunity Fund guidelines.

### Course Drop

Students may drop courses using Ursa through the 10th day of the semester for full semester courses. Tuition and fees are adjusted if applicable. Course add, drop and withdrawal deadlines are based upon the respective course part-of-term. For short and special part-of-terms courses, please refer to the Special Term/Short Course Report for deadlines or on the Student Tab in Ursa by clicking on the "Your Course Drop/Withdrawal Deadlines" link.

The number of credits for which a student is registered at the time of the add/drop deadline determines tuition and fee charges. Drops differ from withdrawals since drops are not recorded on the student's transcript and withdrawals are

recorded on the transcript (see Withdrawal from Course(s)).

### Summer Account Balances

Students who do not pay past due summer balances will be dropped from the subsequent Fall semester course schedule. Students will be notified via the UNC Bear email account when courses will be dropped. If a student's courses are dropped and the past due summer balance is subsequently paid, the student is responsible for registering for courses that were dropped on a space available basis.

### Two-Class-Hour Drop Requirement

A faculty member may drop a student from a class during the Drop period if the student has not attended the first two-50 minute sessions. The student must notify the instructor if they cannot attend during this time. Not all instructors will exercise this option; thus, a student cannot expect that the failure to attend the class will automatically cause them to be dropped. Consequently, the student must follow the procedures listed on the Office of the Registrar website at [www.unco.edu/registrar](http://www.unco.edu/registrar).

### UNC and AIMS Community College Cooperative Registration Agreement

Graduate or undergraduate students enrolled full-time at UNC or Aims Community College are eligible to take one undergraduate class (maximum 5 credits) at the other school during the corresponding term without additional tuition charges. Interim Winter Session is not included.

**The free course at the host school must not be offered at your home school during that same term you are taking the class.**

Please refer to Transferology at [www.unco.edu/registrar/transfer/transferology.aspx](http://www.unco.edu/registrar/transfer/transferology.aspx) to determine which courses will transfer between Aims and UNC. Remember:

- Students must meet prerequisite requirements and must pay any course fees other than tuition.
- Continuing Education courses do not count in the 12 credit full-time requirement.
- Continuing Education courses cannot be taken as the free class.
- Aims students register for UNC courses through their URSA portal. Students will be allowed to register the Monday following the last day of pre-registration for UNC students. A UNC/Aims Cooperative Agreement needs to be completed and submitted to the Office of the Registrar to notify the office of the intent to participate in the agreement.
- UNC students register for Aims course via normal procedures outlined in the Aims Schedule of Classes; however, in place of payment, the UNC student



completes a certifying form at the Aims Cashier's Office.

- At the end of the term, students found to be ineligible will be billed for and must pay tuition charges to the host school.
- Once the course has been completed, please have an official transcript sent to your home institution in order to receive transfer credit.

### **Unclassified Graduate and Visiting Students**

Undergraduate students admitted to another university may take classes at UNC to transfer back to their respective home institution. Unclassified graduate status refers to a student who has at least a Bachelor's degree and has either applied to the Graduate School or wanting to take classes but not pursue a degree. To register for either status, students must submit a non-degree seeking application online. The application can be found at [www.unco.edu/registrar/non-degree/](http://www.unco.edu/registrar/non-degree/).

## **Student Policies and Procedures**

### **Academic Advising**

University policy entitles each student to academic advising. Advising expedites course selection and helps the student create an academic program suited to their needs and the University's graduation requirements.

Each undergraduate student is strongly encouraged to work closely with their assigned advisor in selecting Liberal Arts Curriculum courses, major and minor offerings and elective courses from other disciplines. If a student has more than one major or minor they are encouraged to see advisors in each area of study prior to course registration.

Declared students are assigned an advisor in their major degree program. Advisor names can be found in Ursa, under "Registration and Grades/Register for Classes" by clicking on "View Student Information". If an advisor's name is not present, the student may call the department of the specified major to have an advisor assigned. Students declared as Exploring, are advised by Soar.

Information provided by the Office of the Registrar and information from advising sessions with the student equip the advisor to help with a variety of academic issues, procedures and opportunities.

All students are encouraged to make full use of the advising system including, but not limited to, a visit to an advisor before registration each semester. Appointments are encouraged for all students, and are mandatory in most offices, to receive a Personal Identification Number (PIN) for the upcoming semester class registration.

The PIN changes each semester and is required in order to register for upcoming semester classes. For a misplaced

PIN, contact the advisor who issued the PIN. Summer and Winter Interim Sessions do not require a PIN. Students changing majors must meet with an academic advisor in the newly declared major to obtain a PIN.

### **Academic Appeals**

Students may appeal any academic decision that they consider arbitrary or capricious, or contrary to University policy. The procedures for appealing an academic decision can be found in UNC's Board Policy Manual, 2-1-2 "Academic Appeal Procedure" at [www.unco.edu/trustees/pdf/board-policy-manual.pdf](http://www.unco.edu/trustees/pdf/board-policy-manual.pdf).

### **Academic Recognition**

#### **Dean's List of Distinction**

Students will be placed on the Dean's List of Distinction through the Dean of Students if they complete a minimum of 24 credit hours and achieve a 3.75 or above grade point average for any two of the three academic terms of the year (cumulative grade point averages are not considered).

#### **Dean's Honor Roll**

Students will be placed on the Dean's Honor Roll through the Dean of Students if they complete a minimum of 24 credit hours and achieve a 3.50 to 3.74 grade point average for any two of the three academic terms of the year (cumulative grade point averages are not considered).

#### **Graduation with Honors**

Graduation with honors is determined on the basis of a student's cumulative UNC grade point average at time of degree completion: 3.90-4.00 for summa cum laude, 3.80-3.89 for magna cum laude, and 3.70-3.79 for cum laude. This GPA must be based off of at least 56 semester hours of UNC credit.

Each student's record will be reviewed at the start of their semester of graduation; students with qualifying cumulative grade point averages and the minimum 56 semester hours of UNC credit (including coursework enrolled in during the final semester) will be recognized at the commencement ceremony.

Students who meet the qualifications upon completion of their degree (including grades earned during the final semester) will have their Latin honors designated on their diploma and official transcript.

### **Academic Standing**

A student's academic standing is determined by the cumulative grade point average. In order to graduate, the student must earn a minimum of 2.0 on a 4.0 scale at the University of Northern Colorado.

- Students are placed on academic probation, up to the next 24 credit hours, at UNC if the cumulative grade

point average (GPA) falls below a 2.0. When the cumulative GPA is raised to 2.0 or higher within the 24 probation credit window, the student will return to good academic standing.

- Grades that count toward the 24 probation credit hours include all letter grades of A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, as well as all Incompletes that have been finished. Grades not counted towards the 24 probation credit hours are I, NC, NG, S, U, W, UW, and CR.
- Students on academic probation who do not raise their cumulative GPA to 2.0 or higher at the conclusion of the 24 probation credit hours at UNC will be suspended.
- While on probation, if the student's cumulative GPA falls below a 1.0, the student will be automatically suspended.
- If a student has less than a 2.0 cumulative GPA as a result of taking UNC dual/concurrent enrollment courses while in high school, they will not be placed on academic probation during their first fully admitted term to UNC.
- Please note that Academic Standing Policy is different from the Financial Aid Satisfactory Academic Progress Policy. Even though your academic status allows you to continue enrollment at UNC, this does not guarantee continuation of Financial Aid assistance. Please refer to the Office of Financial Aid website at [www.unco.edu/financial-aid/](http://www.unco.edu/financial-aid/).

### Academic Suspension Appeal

Students may immediately appeal their suspension if extenuating circumstances exist. Extenuating circumstances include factors beyond the student's control (e.g. family emergency, serious illness) and must be documented. Appeals due to other circumstances will be reviewed on a case-by-case basis.

The application with instructions for a suspension appeal is available through Student Academic Success at [www.unco.edu/advising/probation-support.aspx](http://www.unco.edu/advising/probation-support.aspx).

- If the appeal is approved, students are given one additional semester to raise their cumulative GPA to 2.0. If the appeal is denied, the student will remain on academic suspension.
- After the appeal process, students whose appeals are denied will be removed from their Fall or Spring courses. Students that are enrolled in Summer courses that have already begun prior to the completion of the appeal process, will remain in those courses, but courses that have not started will be dropped.
- The summer semester counts as the one additional semester to raise their cumulative GPA if the student's appeal is approved. If the appeal is denied, the student

will remain suspended regardless of their cumulative GPA at the completion of their Summer coursework.

- All appeals are reviewed by the University Academic Review Committee. The University Academic Review Committee's decisions are final.
- A second academic suspension is considered a permanent suspension from future enrollment as an undergraduate student at UNC.

### Student Guide to Suspension Appeal

The academic standing policy of the University is presented in the UNC catalog. As stated in the policy, students may immediately appeal their suspension if extenuating circumstances exist. Extenuating circumstances include factors beyond the student's control (e.g., family emergency, serious illness, death) and must be documented. Appeals due to other circumstances will be reviewed on a case-by-case basis. Application and deadline for immediate appeal are available through Student Academic Success. Please note: Academic suspension appeals policy expectations differ from the Financial Aid Ineligibility Appeal policy and have a separate application process. Contact the Office of Financial Aid at 970-351-4UNC (4862) for information about the Financial Aid suspension and appeal process.

Students should use the following guidelines when preparing their appeal applications. A successful appeal will grant the student one additional semester of probationary time to raise their cumulative GPA to a level of 2.0 or higher to return to good academic standing.

### Student Responsibilities

The student must file an appeal on a form available from Student Academic Success by the posted deadline. Late appeals are not guaranteed to be reviewed. Accurate bear number, phone number, and BearMail address must be provided. Students are encouraged to discuss appeal content with appropriate campus staff. For example, an advisor may assist in providing documentation, and/or endorsing a student's plan of action. Student Academic Success will forward the appeal to the Academic Review Committee for review.

Should a student's appeal be granted, they must comply with the conditions set by the Academic Review Committee. One such condition will require the student to raise their cumulative GPA to a 2.0 or higher in one additional semester. If this condition is not met, the student will be academically suspended from UNC. Such a student may, under the provisions of the scholastic standards policy, immediately appeal the second suspension using the appeals procedure. If the appeal is denied, the student will remain on academic suspension. A second academic suspension is considered a permanent suspension from future enrollment as an Undergraduate student at UNC. Another condition requires the student to meet with a

college advisor during the probationary semester. In addition, it is strongly recommended that the student meet with the advisor in their major department. There may be additional conditions set by the committee.

### **Student Academic Responsibilities**

Student Academic Success will distribute and collect appeal forms. An appeal that is not received by Student Academic Success by the applicable deadline will not be considered by the committee. College advisors are available to answer questions for students preparing suspension appeals. In addition, Student Academic Success sets dates, times, and locations of committee meetings.

Student Academic Success will add a student's unofficial UNC transcripts to the back of their appeal packet. In addition, Academic Success will provide the following information to the Academic Review Committee concerning each student who has submitted an appeal: cumulative GPA; semester GPA with 12 credit hours needed to achieve a cumulative GPA of 2.00; best semester GPA to date; academic suspension history; and whether a student is eligible for Fresh Start. Student Academic Success will distribute the appeals to the Academic Review Committee for their consideration.

Students will be notified of the committee's decision at the phone number and BearMail address provided on the Suspension Appeal Form.

### **Academic Review Committee Responsibilities**

All appeals are reviewed by the Academic Review Committee which is comprised of a representative from each college and the Dean of Students office. Each committee member shall review appeals for purposes of preparing a recommendation for the committee as a whole. Although each student appeal is unique, in general a suspension appeal will be examined for:

- Clearly explained extenuating circumstances with appropriate documentation.
- Evidence that the student has identified and addressed the reasons leading to poor academic performance. A faculty/program advisor and/or instructor may be able to provide additional context concerning previous poor academic performance.
- Demonstration of continually increasing GPA since being placed on academic probation.
- A specific and realistic academic plan. Refer to "Tips on Writing Your Suspension Appeal".
- Evidence that there is a significant probability of the student returning to at least a 2.00 cumulative GPA if granted one additional semester of probation. One example of such evidence is a comparison of GPA needed in one semester to recent semester GPAs.

Proceedings of the committee relative to academic suspension are privileged and are not available for general

discussion or distribution. Committee decisions are final. All appeal files shall remain with Student Academic Success following committee action.

### **General Information**

Following the end of a regular semester, it is assumed that students who have been academically suspended will have pre-registered for courses the next semester. Registrations will remain valid until such time as all written appeals are acted upon. At the conclusion of the actions relative to written appeals, the courses of all students who did not appeal their suspensions or who filed unsuccessful appeals will be dropped. Students that are enrolled in Summer courses that have already begun prior to the completion of the appeal process, will remain in those courses, but courses that have not started will be dropped.

Summer session does count as one additional semester to raise their cumulative GPA if the student's appeal is approved. If the appeal is denied, the student will remain suspended regardless of their cumulative GPA at the completion of their Summer coursework.

Re-entry into the institution does not automatically guarantee re-entry to an academic program.

### **Sexual Misconduct/Title IX Statement**

UNC is legally obligated to investigate disclosure of sexual misconduct (including, but not limited to sexual assault, sexual harassment, stalking, and intimate partner violence). If you disclose an incident of sexual misconduct or violence, whether you are the victim, the alleged, or an individual with knowledge of such misconduct, we have an obligation to report it to UNC's Title IX Coordinator. Examples of disclosure may include communication in-person to an advisor or staff member, via email/phone/text message, or through your written appeal. Once a disclosure is received UNC may be obligated to initiate a formal investigation which may include contacting the reporting party, the alleged, and campus or community law enforcement agencies.

If you wish to speak confidentially about an incident of sexual misconduct, please contact the UNC Counseling Center (phone/website) or the Assault Survivors Advocacy Program (ASAP). Information reported to these offices will not be reported and will remain confidential.

University Counseling Center  
(970) 351-2496  
[www.unco.edu/counseling](http://www.unco.edu/counseling)

Assault Survivors Advocacy Program (ASAP)  
24 hour hot line at (970) 351-4040  
[www.unco.edu/asap](http://www.unco.edu/asap)

If you would like to learn more about sexual misconduct or report an incident, please visit [www.unco.edu/institutional-equity-compliance/](http://www.unco.edu/institutional-equity-compliance/). The University of Northern Colorado

prohibits and will not tolerate sexual misconduct or gender-based discrimination of any kind.

### **Academic Appeal for Readmission**

A student who has been academically suspended is eligible for readmission after one semester (Fall or Spring) has passed. Students need to complete the Readmission Appeal application, which is available with instructions through Student Academic Success at [www.unco.edu/advising/probation-support.aspx](http://www.unco.edu/advising/probation-support.aspx).

- A student seeking readmission to UNC must complete 12 transferable credits of academic rigor with at least a 2.00 cumulative grade point average at another accredited institution OR present other evidence of potential future academic success before applying for readmission through Student Academic Success.
- Application and deadlines for readmission are available through Student Academic Success. The application must be received by the hard deadline for admissions posted for the semester in which the student wishes to re-enroll. Applications are accepted on a rolling basis with a review each month until the hard deadline for the semester.
- The University Academic Review Committee reviews all applications for readmission, and decisions are final.
- A student who has attended other institutions since suspension from UNC must furnish the Office of the Registrar with official transcripts from those institutions.
- Re-entry into the institution does not automatically guarantee re-entry to an academic program.
- Should a student's appeal be granted, they must comply with the conditions set by the Academic Review Committee. One such condition will require the student to raise their cumulative GPA to a 2.0 or higher in one additional semester. If this condition is not met, the student will be academically suspended from UNC. Under the provisions of the scholastic standards policy, such a student may immediately appeal the second suspension using the appeals procedure. If a suspension appeal is denied, the suspension will be permanent.
- A second academic suspension is final, preventing enrollment as an undergraduate student at UNC.

### **Student Guide to Readmission Appeal**

The academic standing policy of the University is presented in the UNC catalog. As stated in the policy, students suspended from UNC may not apply for readmission until the passage of at least one semester, excluding Summer and Interim Winter Session. Application and deadlines for readmission are available through Student Academic Success. Deadlines are set by the policy that applications must be received 60 days or

prior to the term in which the student wishes to re-enroll at UNC.

Please note: Academic suspension and readmission policy expectations differ from the Financial Aid Satisfactory Academic progress policy. Readmission appeals differ from Financial Aid ineligibility appeals. Contact the Office of Financial Aid at 970-351-4UNC (4862) for information about the Financial Aid suspension process.

Guidance for students and procedures for review of student appeals are presented in the following paragraphs. Attending another institution does not guarantee readmission to UNC. A successful appeal will grant the student one additional semester of probation to raise their cumulative GPA to a level of 2.0 or higher to return to good academic standing. Re-entry into the institution does not automatically guarantee re-entry to an academic program.

### **Student Responsibilities**

Eligible students must file an appeal on a form available from the Student Academic Success website. Accurate bear number, phone number and BearMail address must be provided. Students are encouraged to discuss appeal content with appropriate campus staff. For example, faculty may assist in providing documentation, and/or endorsing a student's plan of action. Student Academic Success advisors are another source of assistance in the preparation and review of an appeal prior to the deadline date. All supporting documentation, including correspondence from third parties, must be included with the appeal and submitted by the deadline. Student Academic Success will forward the appeal to the Academic Review Committee members for review. Late appeals will not be accepted by the committee.

Should a student's appeal be granted, they must comply with the conditions set by the Academic Review Committee. One such condition will require the student to raise their cumulative GPA to a 2.0 or higher in one additional semester. If this condition is not met, the student will be academically suspended from UNC. Such a student may, under the provisions of the scholastic standards policy, immediately appeal the second suspension using the appeals procedure. If the appeal is denied the suspension will be permanent. Another condition requires the student to meet with a college advisor during the probationary semester. In addition, it is strongly recommended that the student meet with the advisor in their major department. There may be additional conditions set by the committee.

### **Student Academic Success Responsibilities**

Student Academic Success will distribute and collect appeal forms. An appeal that is not received by Student Academic Success by the application deadline may not be considered by the committee. College advisors are available to answer questions for students preparing

readmission appeals. In addition, Student Academic Success sets dates, times, and locations of committee meetings.

Student Academic Success will add a student's unofficial UNC transcripts to the back of their appeal packet. In addition, Student Academic Success will provide the following information to the Academic Review Committee concerning each student who has submitted an appeal: cumulative GPA; semester GPA with 12 credit hours needed to achieve a cumulative GPA of 2.00; best semester GPA to date; academic suspension history; and whether a student is eligible for Fresh Start. Student Academic Success will distribute the appeals to the Academic Review Committee for their consideration.

Students will be notified of the committee's determination at the phone number and BearMail address provided on the Readmission Appeal Form.

### **Academic Review Committee Responsibilities**

Readmission appeals are reviewed by the University Academic Review Committee, which is comprised of a representative from each College and the Dean of Students Office. Each committee member shall review appeals for purposes of preparing a recommendation for the committee as a whole. Although each student appeal is unique, in general a readmission appeal will be examined for:

- Completion of at least twelve semester hours at another accredited institution suggesting a reasonable possibility that the student will attain a 2.00 cumulative GPA if given one additional semester at UNC. The reasonable possibility can be determined by comparison of GPA needed in one semester and recent semester GPAs. The academic rigor of classes taken at the other institution will be a factor in the decision of the committee.
- Evidence that the student has identified and addressed the reasons leading to poor academic performance. A faculty/program advisor and/or instructor may also be able to add additional context concerning previous poor academic performance.
- A specific and realistic academic plan. Refer to "Tips for Writing a Readmission Appeal".
- Conditions applicable to the Fresh Start Program for Freshmen or Returning Students.
- Evidence that there is a significant probability of the student returning to at least a 2.00 cumulative GPA if granted one additional semester of probation.
- Target GPA reached at another institution. This applies to students who have had an appeal denied, and a target GPA recommended by the Academic Review Committee.

Proceedings of the committee relative to academic readmission are privileged and not available for general discussion or distribution. Committee decisions are final.

All appeals files shall remain with Student Academic Success following committee action.

### **Sexual Misconduct/Title IX Statement**

UNC is legally obligated to investigate disclosure of sexual misconduct (including, but not limited to sexual assault, sexual harassment, stalking, and intimate partner violence). If you disclose an incident of sexual misconduct or violence, whether you are the victim, the alleged, or an individual with knowledge of such misconduct, we have an obligation to report it to UNC's Title IX Coordinator. Examples of disclosure may include communication in-person to an advisor or staff member, via email/phone/text message, or through your written appeal. Once a disclosure is received UNC may be obligated to initiate a formal investigation which may include contacting the reporting party, the alleged, and campus or community law enforcement agencies.

If you wish to speak confidentially about an incident of sexual misconduct, please contact the UNC Counseling Center (phone/website) or the Assault Survivors Advocacy Program (ASAP). Information reported to these offices will not be reported and will remain confidential.

University Counseling Center  
(970) 351-2496  
[www.unco.edu/counseling](http://www.unco.edu/counseling)

Assault Survivors Advocacy Program (ASAP)  
24-hour hot line at (970) 351-4040  
[www.unco.edu/asap](http://www.unco.edu/asap)

If you would like to learn more about sexual misconduct or report an incident, please visit [www.unco.edu/institutional-equity-compliance/](http://www.unco.edu/institutional-equity-compliance/). The University of Northern Colorado prohibits and will not tolerate sexual misconduct or gender-based discrimination of any kind.

### **Accelerated Masters or 4 + 1 Degree Program**

All 4+1 programs require students to submit an application for admission to the accelerated master's program when they have:

- junior or senior standing,
- 3.0 cumulative undergraduate GPA and,
- have applied for and been officially accepted into a UNC graduate program.

Upon admission to the graduate program, the undergraduate student works with a graduate advisor to identify up to nine (9) credit hours at the 500 level in the graduate program to which the student was admitted. The student must:

- Complete and submit the Petition to Count Work Toward the Next Higher Degree form to the Graduate School prior to completion of the undergraduate degree. No exceptions or appeals.

- Students must satisfy all requirements for both degrees.
- The 500-level courses, designated for shared credit (UG and Grad) within accelerated master's degree, apply only to the accelerated master's degree, do not automatically transfer to another UNC graduate degree, and are approved for internal transfer by Graduate School.
- The aforementioned Petition confirms the nine (9) 500 level graduate credits count towards the student's undergraduate and master's degree.
- No more than 9 credits may be completed while the student is an undergraduate,
- The credits identified on the Petition are at undergraduate tuition rates. Graduate tuition rates apply to the remaining program credits.
- Students are eligible for graduate scholarships or assistantships and may enroll in 600 level courses once they hold graduate student status.

### Attendance

Regular class attendance is assumed. Faculty should state their specific policies on absences in the syllabus. Each instructor determines the relationship between class attendance, the objectives of the class, and the grade. The instructor is responsible for attendance policies and their effect on grades. Students are responsible for knowing the attendance policy of each course. Only the instructor can approve a student's absence. Students are responsible for requesting such approval.

Students involved in University-sponsored activities, including intercollegiate athletics, may need to be excused from a class, lab, or studio meeting. In all instances, it is their responsibility to present a written request for the absence. Students should be prepared to discuss how the absence may affect their ability to meet the course requirements. Instructors should seek to make reasonable accommodations for a student involved in University-sponsored activities. Students should recognize that not every course can accommodate absences. Notifying the instructor of an absence does not relieve students from meeting the course requirements.

The University requires that faculty provide reasonable accommodations to students who miss a class due to a religious observance. Students planning to miss a class for religious observance should notify the instructor prior to the absence.

The instructor has the option to drop students who do not attend the first 100 minutes that class meets in order to allow other students to enroll.

Students are responsible for dropping courses they do not attend.

### Online Course Policy

As with a face-to-face course, the instructor has the option to drop students who do not log in and do not participate in the first 48 hours from the course start date. This is to allow other students to enroll. Not all instructors will exercise this option; therefore, students should not assume that not logging in will automatically drop them from the course.

### Basic Skills Courses

These courses are designed to teach academic skills and general competencies necessary to succeed in college. Numbered 001 through 099, they do not count in term, cumulative or total credits and are not calculated into the grade point average. Credits earned in these courses will not count toward meeting financial aid minimum credit-hour requirements. These courses are not eligible to be retaken using grade replacement.

### Certificate Information

#### Certificate Requirements

A certificate is an academic title granted to a student who has completed a specific course of study. Certificate programs are administered by a college, a school and/or sometimes a coalition of faculty.

The faculty of UNC has established minimum general requirements that a student must meet to earn an UG Certificate:

1. Complete the courses outlined in the respective certificate program.
2. Earn a minimum University of Northern Colorado cumulative grade point average of 2.00 in the certificate program. Certain certificate programs may have additional requirements (e.g., a UNC cumulative grade point average of at least 3.00).

#### Undergraduate Certificate Completion

Students who intend to complete an undergraduate certificate must apply the semester before completion through the Office of the Registrar by emailing [graduation@unco.edu](mailto:graduation@unco.edu). The following guidelines apply for the completion of the certificate:

- A \$50.00 application fee will only be charged one time per certificate and is applied to your student account. If a student plans to complete a Bachelor's Degree program as well, another \$50 fee will be charged to their student account once their second application is accepted. If the student is completing both a Bachelor's Degree and a Certificate program and apply for graduation and certificate completion in the same semester, the student will only be charged the \$50 graduation fee once.

- Certificates can be completed and noted on the transcript at any time of the semester once all requirements have been completed.
- All certificates must be declared in the Fall 2014 catalog and forward in order to complete and cannot be retroactively awarded.
- Any certificate completed in the Fall 2016 catalog and forward will receive an official certificate, certificates cannot be retroactively awarded.
- The catalog used to determine certificate requirements is the catalog in effect at the time the certificate is declared. If a certificate is being completed in conjunction with a major, it does not have to follow the major catalog year.
- To change or declare a certificate, work with a program advisor to complete the undergraduate certificate program form ([www.unco.edu/registrar/forms.aspx](http://www.unco.edu/registrar/forms.aspx)).

### Updating/Changing Certificate Programs

A student may select at any time a newer, active catalog year as long as they attended UNC during that respective academic year; this change requires submission of an Undergraduate Certificate Declaration.

Students may not declare or select at any time certificate programs that no longer exist.

Certificates are not recognized nor awarded at the commencement ceremony.

### Certificate Release

- Certificates will be released two weeks after the release of official transcripts that notes the completion of the certificate.
- Certificate mailing addresses must be updated/provided at least three weeks before the release of Certificates. If the student does not provide a certificate mailing address by that time, the student's certificate will be mailed to their permanent address. In the event there is no permanent address on file, the parent address will be used instead. If the student does not have an active mailing address on file, their certificate will be held for one year. After one year, a fee will be required to re-issue the student's certificate.
- The student may change their Certificate Mailing address through the Update Addresses and Phones link up to three weeks before the certificate release date.
- The student's certificate will not be released if the student has a hold on their account. If the student's hold is released after the release date of certificate, please contact the Office of the Registrar at [graduation@unco.edu](mailto:graduation@unco.edu) or 970-351-4UNC (4862).

### Classification Status

The following describes the academic classification of undergraduate students:

Classification	Credits Required
Freshman	0-29 credits
Sophomore	30-59 credits
Junior	60-89 credits
Senior	90+ credits until completion of bachelor's degree

### CORE Initiative

#### Colorado Re-Engaged (CORE) Initiative

The Colorado Re-Engaged (CORE) Initiative (HB 21-1330) enables four-year institutions in Colorado to award an earned associate degree to eligible students who have stopped-out from a baccalaureate program after earning at least 70 credit hours.

#### Eligibility

If a student is eligible for the CORE Initiative, UNC will reach out with instructions on how to participate. Students can also contact UNC if they feel they meet eligibility criteria.

Student eligibility details:

- Must not have transferred directly from a CCCS college to the four-year institution;
- Not have enrolled at the four-year institution for at least two consecutive terms and up to ten academic years;
- Have earned at least **70 credit hours**;
- Did not earn a bachelor's degree;
- Credit hours to include completion of the institution's general education and associate degree requirements; and
- Students eligible for Reverse Transfer are NOT eligible for this initiative.

Students meeting CORE eligibility requirements will be awarded either an Associate of Arts or an Associate of General Studies from UNC.

- Associate of General Studies eligibility – student completed at least 15 credits of distributed GT Pathway General Education coursework.
- Associate of Arts eligibility – student completed all 31 required credits of GT Pathway General Education curriculum.

Learn more by visiting the Colorado Re-Engaged (CORE) Initiative website.

#### Degrees Awarded

Students meeting all the CORE eligibility requirements will be awarded one of the following degrees:

- Associate of General Studies (A.G.S.) degree if they have completed between fifteen (15) and thirty (30)

credits of the statewide general education requirements;\* or

- Associate of Arts (A.A.) degree if they have completed all thirty-one (31) credits of the statewide general education requirements.

Learn more by visiting the Colorado Re-Engaged (CORE) Initiative website.

*\*Note: Students who are awarded the AGS degree and return to UNC to earn a bachelor's degree will be required to complete additional LAC coursework to bring their total general education credits to at least 31 and to fulfill UNC's International Studies and Multicultural Studies requirements. See Liberal Arts Curriculum (p. 70).*

## Course Credit

### Definition of a Credit Hour

Credit Hour as required by the U.S. Department of Education (34 C.F.R. § 600.2)

An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; OR
2. At least an equivalent amount of work for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

### Base Contact Hour

The faculty Base Contact Hour represents a standard measurement of consumption of faculty resources by students. It consists of the number of scheduled minutes of instructional activity involving direct contact of faculty with students in a given term utilizing a particular method of instruction. The standard measurement for a faculty Base Contact Hour is:

- **Semester system term.** One Base Contact Hour = a minimum of 750 minutes. This translates to a MINIMUM of fifteen 50-minute hours per semester.

The base contact time will vary based on type of course. The required contact time is represented in the schedule of classes. Some UNC courses may be repeated for credit; they are specifically noted in the course description section of this *Catalog* with the maximum amount of credit allowed for each course.

For repeated courses, grades of “F,” “U,” “NC,” “NG,” “IP,” “UW,” “W,” and “I” that have not been completed

within the allotted time, the credit hours are not included in earned credits.

Students may audit a course for “no credit” but must pay the same tuition and fees as those taking the course for credit. No audit or visitor cards are issued. Students auditing a course must enroll through the Office of the Registrar before the add deadline. Students need not complete assignments or exams used but are expected to attend classes when auditing a course.

If you are age 65 or older and wish to audit a course, you may do so with **no tuition charge (course fees may apply)**.

Registration may occur beginning the first Monday following the last day of pre-registration for UNC students. Registration is subject to space availability. If you have any questions or need additional information, please contact the Office of the Registrar at 970-351-4UNC (4862).

## Course Designations

### Subject

Each course is assigned a subject code that identifies the discipline, field or program offering the course. For example, course numbers in English are preceded by ENG; course numbers in Mathematics are preceded by MATH; and courses in Visual Arts are preceded by ART.

### Numbers

Four groups are identified by course numbers, generally to indicate the difficulty of a course and its location on a continuum of study that leads to general mastery of the content and methodology of a discipline:

- Basic skills - 001-099 are not counted in cumulative credits, total credits toward graduation, GPA, nor for financial aid purposes.
- Lower division - 100-199 range are 1st-year (freshmen) courses and 200-299 are 2nd-year (sophomore) courses.
- Upper division - 300-399 are 3rd-year (junior) courses and 400-499 are 4th-year (senior) courses.
- Graduate level - 500-699 are Master's courses and those numbered 700 or higher are Doctoral/Specialist courses.
  - Juniors and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses.
  - Undergraduates may be permitted to take courses with numbers 600-699 if they have applied to and have been accepted into a Master's level program at UNC. 600-699 courses may not be counted towards an undergraduate degree.
  - Undergraduates are not permitted to take courses with numbers 700-799.



Note: Applicability of coursework to a higher degree as an undergraduate student: please refer to specific details on the petition to count toward the next highest degree at [www.unco.edu/graduate-school/pdf/Petition-to-Count-Work-Toward-Higher-Degree.pdf](http://www.unco.edu/graduate-school/pdf/Petition-to-Count-Work-Toward-Higher-Degree.pdf).

Undergraduate students may not count courses numbered 600-799 toward undergraduate degree programs.

Graduate students may not count courses numbered 100-499 toward graduate degree programs; courses numbered 700-799 may be taken for specialist or doctoral credit only.

Courses at the university are sequentially numbered. Courses numbered 100-499 are for undergraduate credit. Courses numbered 500-599 may count as undergraduate or graduate credit. If a course numbered 500-599 is not counting toward the correct level, the student may contact the Office of the Registrar to request that it be changed. A course numbered 500-599 counting as undergraduate credit cannot be counted toward a graduate degree; a course numbered 500-599 counting as graduate credit cannot be counted toward an undergraduate degree.

Undergraduate students seeking to apply 500-599 courses to their graduate degree must complete a petition to count work towards the next higher degree. In order to count work forward into a higher degree (for example, bachelor's into the master's or master's into the doctoral) prior to completing the prior degree, the following are required:

- You must be admitted to the higher degree (a letter of admission from the Graduate School);
- You must have applied for graduation for the prior degree (Graduation Office for bachelor's or the Graduate School for master's or specialist);
- And, you must file this form no later than the first week of the semester in which you enroll in the course work.

Additional policies governing counting work forward can be found in the UNC Graduate Catalog and at [www.unco.edu/graduate-school/student-resources/current-students/academic-policies-and-deadlines.aspx](http://www.unco.edu/graduate-school/student-resources/current-students/academic-policies-and-deadlines.aspx).

Courses numbered 600-799 are for graduate credit only.

Courses with variable titles may have additional prerequisites assigned to specific sections scheduled.

Courses bearing the designation "gtP" are in gtPathways, Colorado's Guaranteed Transfer Program. These courses are guaranteed to transfer to all Colorado institutions of higher education.

Courses bearing the designation "LAC" are in the Liberal Arts Curriculum. These courses will meet the LAC requirements for graduation. For more information, see the Liberal Arts Curriculum (p. 70) catalog page.

Occasionally, courses that do not appear in the Catalog may appear in the Schedule of Classes ([www.unco.edu/sched/](http://www.unco.edu/sched/)). These course number end in "98"

and are considered experimental. For example, an experimental course in Geology might be GEOL 398.

### **Mutually Exclusive Courses**

Courses carry a mutually exclusive designation when the content of each course is highly similar or identical to the other(s). In those cases, credit will only be granted for one of the mutually exclusive courses. Courses with mutually exclusive designation have a statement that students may only earn credit for one course; e.g., 'Credit allowed for only one of these courses: ENST 356 or ECON 356.' Registration for any mutually exclusive variant of a course will be prohibited while a mutually exclusive course is in progress, and once a passing grade has been posted (e.g., a student who is currently enrolled in ENST 356 or has received a passing grade in ENST 356 will be prevented from registering for ECON 356). Students wishing to apply the grade replacement policy to a mutually exclusive course must repeat the same course originally taken (a mutually exclusive variant of the course may not be used for grade replacement).

### **Equivalent Courses**

Equivalent courses are identical in content but may have a different title or prefix. Equivalent courses satisfy graduation requirements and prerequisites. Generally, equivalent courses are used for courses with prefix, title or course number changes. Equivalent courses are eligible for grade replacement.

### **Curriculum Sweep and Purge**

Every year during spring semester, the Office of the Registrar generates a report for review that captures courses, except for reserved-number courses, that have not been taught in the last six (6) years.

Academic Units are notified by email, including the respective Chair/Director and Dean, if any of their courses appear on this "purge" report. Unless the department/school specifies otherwise, the course(s) are removed from the curriculum file. Departments/Schools are asked for a written justification for those they would like to retain. Required written justification will be determined by the department/school in which the course is offered.

### **Course Repeat/Grade Replacement Policies**

#### **Course Repeat Policy**

#### **Courses Repeatable for Credit**

UNC courses designated in the course description as repeatable can be taken multiple times *with each passed completion resulting in additional credit hours being awarded*. Some courses are designated as repeatable with restrictions (also noted in the course description). Course completions that exceed the listed restrictions will not

result in additional credit hours being awarded, but all completions will be recorded on the transcript and be calculated in the cumulative GPA. The highest grade(s) among courses that count for credit will be available for use toward graduation requirements.

**Courses Not Repeatable for Credit**

UNC courses without a repeatability designation in the course description can be taken multiple times, but *hours will only be awarded for one passed completion*. Courses not repeatable for credit are subject to the Grade Replacement Policy (p. 33). If a student chooses not to apply for Grade Replacement, additional credit hours will not be awarded, but all completions will be recorded on the transcript and be calculated in the cumulative GPA. The highest grade among courses that count for credit will be available for use toward graduation requirements.

**Transfer Course Repeats**

Transfer coursework granted equivalency at UNC will be subject to course repeatability rules and hours will only be awarded for one passed completion. Transfer courses are not eligible for grade replacement.

For more information, see the Grade Replacement Policy (p. 33) or contact the Office of the Registrar at (970) 351-4UNC (4862).

**Grade Replacement Policy**

Effective Fall 2013, the specifications of the Course Replacement Policy are as follows:

***Courses repeated under this policy may not be eligible for financial aid;*** for more information, contact Financial Aid at (970) 351-4UNC (4862).

- The Grade Replacement Policy applies to UNC courses that are letter-graded (A-F). The courses must be the same (prefix and number) and both courses must be taken at UNC. The course must not be designated repeatable for credit in the current catalog. Satisfactory/Unsatisfactory (S/U) grades are excluded.
- Grade replacement can only be applied once per course for a maximum of six (6) courses; these limits only apply to courses repeated Fall 2013 or later.
- Grade replacement can be used regardless of previous grade earned, except for an "I". Applications will not be accepted for courses with an incomplete (I) grade.
- To use grade replacement, the student must submit a Grade Replacement Application to the Office of the Registrar no later than the drop deadline of courses being repeated. Applications submitted after the deadline will not be accepted. Once the grade replacement application deadline has passed, a grade replacement application cannot be withdrawn.
- The most recent letter grade (A-F) attained for a course repeated under grade replacement will count toward the

cumulative GPA, even if the most recent grade is lower than the grade being replaced.

- If a student applies for grade replacement and receives a mark of "W" or "UW" in the second attempt of a course, that attempt does not count as the grade replacement opportunity and the original grade will stand.
- All occurrences of a course are recorded on the transcript.
- Courses are counted one time only in the total credits towards graduation.
- All credit hours earned for initial and repeated courses will be deducted from the student's remaining College Opportunity Fund (COF) stipend eligibility hours.
- Grades earned under a completed degree are excluded from this policy.
- For more information, contact the Office of the Registrar at (970) 351-4UNC (4862).

If you plan to transfer to another academic institution or plan to apply for graduate school in the future, you should be aware of the fact that other institutions may include all grades in the calculation of your GPA for admission to their institution.

If you are receiving financial aid, please be aware the Standards of Satisfactory Academic Progress Policy is separate from the Grade Replacement Policy. Changes in your cumulative GPA and/or deficient hours due to grade replacement will not be taken into account in your financial suspension appeal until you have completed the course. If you have questions, please contact Financial Aid at (970) 351-4UNC (4862). Your academic standing with UNC remains probationary until grades are processed at the end of the semester. If you have questions in regard to your academic standing, please contact your academic advisor.

View the Grade Replacement Application at [www.unco.edu/registrar/forms.aspx](http://www.unco.edu/registrar/forms.aspx).

**Enrollment Status: Full Time/Part Time and Overload Status**

**Fall/Spring/Summer Enrollment Status:**

Status	Credits
Full Time	12 Credits or more
Three-quarter Time	9-11 Credits
Half-Time	5-8 Credits
Less than Half-Time	4 Credits or less

Full-time student status for most employer sponsored or family health insurance plans is normally considered 9 credit hours. Some health insurance carriers require

enrollment in a minimum of 12 credits. Check with your employer or family health insurance company for their minimum enrollment requirement.

Full-time undergraduate student status for financial aid purposes and enrollment verification is 12 credit hours or more. Enrollment in 9 to 11 credits is classified as three-quarter time. Enrollment in 6 to 8 credit hours is classified as half-time. Less than half-time or part-time is 5 credit hours or less.

Note: For students enrolled in UNC's Intensive English Program (p. 13) (IEP), please refer to the IEP guidelines pertaining to enrollment status.

### **Overload Enrollment**

An overload is more than 18 credit hours for Fall and Spring terms and more than 15 total credit hours for the Summer term.

The Interim Winter Session has a 4 credit hour limit; no overload will be permitted.

A student with a GPA of 3.0 or higher may take up to 3 additional credit hours beyond the respective term overload limit without advisor approval. Exceeding 3 additional credit hours for the respective term for overload requires advisor approval. Please contact the Office of the Registrar by phone at 970-351-4UNC (4862); email at registrar@unco.edu; or in person at the Office of the Registrar, 1051 22nd Street, Campus Commons to process the overload request.

During Fall and Spring terms, a student with a GPA lower than 3.0 may take credits beyond the 18 credit hour limit course load only with the signature of their academic advisor and the Department Chair or School Director. The Credit Overload Permit form must be submitted to the Registrar's Office, 1051 22nd Street, Campus Commons or faxed to 970-351-1870. See [www.unco.edu/registrar/forms.aspx](http://www.unco.edu/registrar/forms.aspx) for forms.

Business students and student teachers require approval of both their academic advisor and Department Chair or School Director for ANY overload, regardless of GPA.

### **Family Educational Rights and Privacy Act (FERPA)**

The University maintains an educational record for each student who is or has been enrolled at the University. In accordance with the Family Educational Rights and Privacy Act of 1974, as amended, the following student rights are covered by the Act and afforded to all eligible students at the University. See [www.unco.edu/registrar/ferpa.aspx](http://www.unco.edu/registrar/ferpa.aspx) for "eligible student" definition.

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their

education records. An eligible student under FERPA is a student who is 18 years of age or older or who attends a post-secondary institution. Each of these rights with any limitations or exceptions is explained in the University's policy statement, a copy of which may be obtained from the Registrar's Office. These rights include:

1. The right to inspect and review information contained in the student's educational records within 45 days after the day the University of Northern Colorado (UNC) receives your request for access.
  - a. Students should submit to the Office of the Registrar written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Office of the Registrar, we will advise you of the correct official to whom the request should be addressed.
2. The right to request amendment of the contents of the student's educational records if believed to be inaccurate, misleading, or otherwise in violation of the student's privacy or other rights.
  - a. If you believe that your record contains inaccurate or misleading information, you may submit the Request to Amend or Remove Education Records form to the Office of the Registrar clearly identifying the part of your record that you want amended and specify why it is inaccurate or misleading.
  - b. If your request to amend your record is denied by the Office of the Registrar, we will notify you in writing of the decision and your right to a hearing regarding the request for amendment. This will include instructions on submitting the Request for Formal Hearing to Amend or Remove Education Records form to the Office of the Registrar.
  - c. If you disagree with the Hearing Panel's decision, you have the right to place in your record a written statement commenting on the information in the record and/or stating your reasons for disagreeing with the decision. This explanation will become part of your education record as long as the record is maintained and whenever a copy of your record is sent to any party, the explanation will accompany it.
  - d. FERPA was intended to require only that schools conform to fair recordkeeping practices and not to override the accepted standards and procedures for making academic assessments, disciplinary rulings, or placement determinations. Thus, while FERPA affords you the right to seek to amend education records which contain inaccurate information, this right cannot be used to challenge a grade or an individual's opinion, or a substantive decision made

- by a school about you. Additionally, if FERPA's amendment procedures are not applicable to your request for amendment of education records, UNC is not required under FERPA to hold a hearing on the matter.
3. The right to prevent disclosure without consent, with certain exceptions, of personally identifiable information from the student's educational records. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests.
    - a. A school official is a person employed by the University of Northern Colorado in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the University of Northern Colorado who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing their tasks.
      - i. A school official has a legitimate educational interest in information contained in a student's education records if the information is necessary for that official to perform a task within the scope of their responsibilities that relates to the student or to the management and administration of education at the University of Northern Colorado. The information is to be used within the context of official University business and not for purposes extraneous to the official's areas of responsibility or to the University.
      - ii. Legitimate educational interests would include teaching, research, public service, and such directly supportive activities as academic advising, general counseling, therapeutic counseling, discipline, vocational counseling and job placement, financial assistance and advisement, medical services, safety, raising endowment in support of student scholarships, and academic programs and academic assistance activities.
    - b. Each of these rights with any limitations or exceptions is explained in the University's policy statement, a copy of which may be obtained from the Registrar's Office.
  - c. The University may provide "Directory Information" in accordance with the provisions of the Act without the written consent of an eligible student unless it is requested in writing that such information not be disclosed (see below). The items listed below are designated as Directory Information and may be released about any student for any purpose at the discretion of the University unless a written request for nondisclosure is on file:
    - i. Category I: Name, address(es), e-mail address, birth date, telephone number(s), dates of attendance, classification, and enrollment status.
    - ii. Category II: The most recent institution attended, major field of study, honors, awards and publications, degree(s) conferred and conferred date(s), degrees pursued or being pursued.
    - iii. Category III: Past and present participation in officially recognized sports and activities, physical factors of athletes (height and weight).
    - iiii. Currently enrolled students may prohibit general disclosure of this Directory Information by notifying the Office of the Registrar in writing within 10 calendar days after the first scheduled class-day of each fall term. The University will honor the request until the student notifies the Office of the Registrar in writing of intent to allow release of Directory Information. The student should carefully consider the consequences of any decision to withhold Directory Information. Regardless of the effect upon the student, the University assumes no liability that may arise out of its compliance with a request that such information be withheld. It will be assumed that the failure on the part of a student to request the withholding of Directory Information indicates the student's consent to disclosure.
    - iiiii. Directory Information - FERPA directory information is information contained in in your education record that generally would not be considered harmful or an invasion of privacy if disclosed. Under current UNC policy, the following information is designated as directory information:
      1. Student name
      2. Student address and phone number (including local mailing and permanent addresses)
      3. Email address
      4. Date of birth
      5. Dates of attendance

6. Full or part-time enrollment; registered credits for the current term
  7. Student classification
  8. Major field of study
  9. Degrees pursued or being pursued
  10. Degree conferred and dates
  11. Honors, awards, and publications
  12. Most recently attended educational institution
  13. Participation in officially recognized sports and activities, past and present
  14. Physical factors of athletes
  15. Photos and videos taken or maintained by the university
- iiiiii. Directory information may be disclosed through a variety of methods including, but not limited to, paper, electronic, voice and other means. Any questions concerning the student's rights and responsibilities under the Family Educational Rights and Privacy Act should be referred to the Office of the Registrar.
4. The right to file complaints with the U.S. Department of Education concerning alleged failures by the University to comply with the provisions of the Act. The name and address of the office that administers FERPA is:

U.S. Department of Education,  
Student Privacy Policy Office,  
400 Maryland Avenue S.W.,  
Washington, D.C. 20202-8520.

### Final Examinations

All final examination periods are to be scheduled for 150 minutes in length.

Instructors who decide not to conduct a final examination or similar capstone exercise during finals week should notify their appropriate unit leader (department chair, school director, program area coordinator) in writing of this action prior to the start of an academic semester or term. Instructors should also notify unit leaders of the equivalent activities to be undertaken during the 150-minute session of the course during finals week and include this information in the course syllabi.

All students must attend the final examination period for each course in which they are enrolled. Any student who is unable to attend the final examination period must request alternative arrangements before the midpoint of the respective course. Approval of the request is at the instructor's discretion.

A student scheduled for three or more final examinations for one day, may negotiate a rescheduling of an exam. The

student must notify and begin negotiation with their instructors not later than midpoint of the course(s). If the parties involved cannot find a mutually agreeable time and place, the appropriate dean's office(s) will negotiate a rescheduling of the exam periods. Any student who fails to negotiate a time change must complete all finals as scheduled.

Examinations are conducted in the same classroom used throughout the semester unless previous arrangements are made with the appropriate dean's office and the Academic Scheduling in the Office of the Registrar. Faculty should alert students to changes in the final examination times or locations no later than midpoint of the course.

### Fresh Start Policies for Students

The Fresh Start policies (for Freshmen and Returning Students) provides undergraduate students with a second chance or "fresh start". Students who apply and meet the requirements are given the opportunity to recalculate their cumulative GPA without grades of "C-", "D+", "D" and "F".

Applications for Fresh Start are accepted continuously through Student Academic Success. Students returning after an academic suspension need to submit their Fresh Start application by the hard admission deadline posted for the semester they wish to re-enroll.

### Fresh Start: First Year (Freshmen)

Fresh Start for First Years is for students who have completed fewer than 30 earned credits towards graduation with a cumulative GPA of less than a 2.0. An eligible student must:

- Enroll at another institution.
- Complete a minimum of 24 transferable credit hours with a 2.5 minimum grade point average (based on a 4.0 scale or an equivalent score on a different scale). These credits must be completed before returning to UNC.
- Grades of "C-" or higher from other institutions are eligible for transfer to UNC.
- Grades earned at another institution do not affect UNC GPA: GPA does not transfer.
- An official transcript must be sent to the UNC Registrar's Office for evaluation.
- Upon returning to UNC, complete a minimum of 12 credits in a single semester, in the first semester back to UNC, with a minimum GPA of 2.50

### GPA Calculation

- GPA will not be recalculated until the above qualifications have been met. This will take multiple semesters to achieve.

- All formerly earned grades of "C-", "D+", "D" or "F" (excluding first semester back courses) will remain on the transcript, but will no longer be used in the calculation of the UNC GPA and will no longer be counted for credit towards graduation. A student cannot choose which grades are used in the recalculation. One or more classes may have to be repeated to fulfill Liberal Arts Curriculum, major or minor requirements. Only grades with a "C" and better will be used to calculate of the cumulative GPA. Grades of "S" will count for credit.
- The conditions of good standing, probation and suspension that govern all students remain in effect.
- Students must earn a minimum of 56 UNC credits after the Fresh Start demarcation to determine graduation with honors.

**Additional Information**

- If planning to transfer to another institution, be aware that many schools recalculate a student's GPA to account for all classes taken at previous institutions.
- Transfer credits will be accepted following the standard admission criteria.
- Fresh Start guarantees readmission to UNC if a student had been academically suspended once. A readmission appeal is not required.
- Students who have been academically suspended from UNC twice are not eligible for Fresh Start. A second academic suspension is a permanent suspension from future enrollment at UNC.
- Once Fresh Start is applied to an academic record it cannot be removed.
- The rules of Fresh Start may be applied only once to a student's transcript.

**Fresh Start for Returning Students**

Fresh Start for Returning Students is for students who have not attended UNC for a minimum of three years and who have earned grades of "C-" or lower.

For example, a student who left after fall 2019 would be eligible to return with Fresh Start after fall 2022. A student would be eligible to take classes in spring 2023.

Applications are available through Student Academic Success and should be submitted during the first semester back at UNC. Only grades received before the 3-year gap are eligible for Fresh Start.

**GPA Calculation**

- GPA will not be recalculated until the above qualification have been met.
- All formerly earned grades of "C-", "D+", "D", "D-" or "F's"; (excluding the first semester back courses) will

remain on the transcript, but will no longer be used in the calculation of UNC GPA and will no longer be counted from credit towards graduation. A student cannot choose which grades are used in the recalculation. One or more classes may have to be repeated in order to fulfill Liberal Arts Curriculum, major, or minor requirements. Only grades of "C" and better will be used to calculate of the cumulative GPA. Grades of "S" will count for credit.

- The conditions of good standing, probation and suspension that govern all students remain in effect.
- Students must earn a minimum of 56 UNC credits after the Fresh Start demarcation for the calculation for the cumulative GPA to determine graduation with honors.

**Additional Information**

- If planning to transfer to another institution, be aware that many schools recalculate a student's GPA to account for all classes taken at previous institutions.
- Transfer credits will be accepted following the standard admission criteria.
- Fresh Start guarantees readmission to UNC if a student had been academically suspended once. A readmission appeal is not required.
- Students who have been academically suspended from UNC twice are not eligible for Fresh Start. A second academic suspension is a permanent suspension from future enrollment at UNC.
- Once Fresh Start is applied to an academic record it cannot be removed.
- The rules of Fresh Start may be applied only once to a student's transcript.

**Grading Information**

Grading

Standard Grading		Quality Points
A	= superior	4.000
A-	= A minus	3.667
B+	= B plus	3.334
B	= above average	3.000
B-	= B minus	2.667
C+	= C plus	2.334
C	= average	2.000
C-	= C minus	1.667
D+	= D plus	1.334
D	= poor, passing	1.000

D-	= D minus, passing	0.667
F	= failure	0.000
S	= satisfactory - credit granted	++
U	= unsatisfactory - no credit	+
I	= incomplete	+
UW	= unauthorized withdrawal	+
W	= approved withdrawal	+
NC	= no credit (audit)	+
NG	= no grade	+
CR	= credit granted	++
Grade*	= basic skills, fresh-start, and grade forgiveness	+
Grade**	= fresh-start prior to March 1993	++
Grade(.)	= basic skills	+

<sup>+</sup>*Credits not used to compute grade point average (GPA) and not counted toward graduation.*

<sup>++</sup>*Credits not used to compute GPA but counted toward graduation. "S" is a UNC assigned course grade. "CR" is non-UNC assigned course grade.*

#### **Notes:**

A “**CR**” indicates credit awarded for AP, IB, CLEP, Military, and/or for courses from other institutions assigning a grade of “**CR**”.

A “**\***” indicates basic skills, fresh-start, and grade forgiveness on a student’s records. Credits not used to compute grade point average (GPA) and not counted toward graduation.

A “**\*\***” indicates fresh-start prior to March 1993. Credits not used to compute GPA but counted toward graduation.

A “**.**” indicates basic skills coursework. Credits not used to compute grade point average (GPA) and not counted toward graduation.

An “**NC**” indicates no credit and is assigned for audited courses.

An “**NG**” indicates a no graded course and is only used for ISE 100/101 and NSE 100 course designations.

A “**W**” indicates an approved withdrawal from the course and is assigned only when the student has completed the official withdrawal processes. Credits not used to compute grade point average (GPA) and not counted toward graduation.

A “**UW**” indicates an unauthorized withdrawal and is assigned **only** when the student has **never** attended the

class for which they enrolled. Credits not used to compute grade point average (GPA) and not counted toward graduation.

An “**F**”, or “**W**”, or “**U**” grade requires the submission of a last date of a student's "academic engagement." “**UW**” grades are only submitted when the student never attended the class. As outlined by the U.S. Department of Education (34 C.F.R. 668.22), the submission of the "Last Date of Attendance" is necessary to ensure that any student receiving a failing grade actually attended the class and, therefore, is eligible for any federal financial aid they may have received.

As defined by the U.S. Department of Education, academic engagement is defined as active participation by a student in an instructional activity related to the student's course of study that includes, but is not limited to—

- Attending a synchronous class, lecture, recitation, or field or laboratory activity, physically or online, where there is an opportunity for interaction between the instructor and students
- Submitting an academic assignment
- Taking an assessment or an exam, participating in an interactive tutorial, webinar or other computer-assisted instruction
- Participating in a study group, group project, or an online discussion that is assigned by the institution
- Interacting with an instructor about academic matters

Academic engagement does not include activities where a student may be present, but not academically engaged, such as:

- Living in institutional housing
- Participating in the institution's meal plan
- Logging into an online class or tutorial without any further participation; or
- Participating in academic counseling or advisement (34 C.F.R. 668.22)(I)(7)(i)(A)

UNC is required to determine academic engagement for all students. (34 C.F.R. 668-22(I)(7)(ii). (Also see Withdrawal from the University (p. 49))

#### **Grade Point Average**

The University operates on a 4.00 grade point system. Under "Grading" (p. 37), the "Standard Grading" table contains the grade point value of individual grades.

To compute a grade point average, first remove all basic skills courses (courses numbered 001-099) and all courses that carry the grades: S, U, W, UW, I, NC, and grades with a period or asterisk(s). Multiply the credit hours for each remaining course by the grade point value of the grade. Total the credit hours and grade points. Divide the grade points by the credit hours. Grade point averages are

calculated to 3 decimal points and displayed as two decimal points rounded on academic transcripts and degree evaluations.

The cumulative University of Northern Colorado grade point average (GPA) is calculated as follows:

- The credit hours and quality points are totaled for all UNC courses within the same degree level, Undergraduate (UG) or Graduate (GR).
- Students determine placement of 500-level courses toward UG or GR credit hour and quality point totals (See Course Designation Policy (p. 31)).
- UG students utilizing Fresh Start (p. 36) or Grade Replacement (p. 33) should reference the appropriate policies to determine credit hour and quality point total calculations on cumulative GPA.

**GPA Example:**

Grade	Credit	Points	GPA
A = 4.000	3	12.000	
B- = 2.667	5	13.335	
C+ = 2.334	3	7.002	
I = N/A	N/A	N/A	
<b>Total</b>	<b>11</b>	<b>32.337</b>	<b>= 2.939 GPA</b>

**Grade Submission and Corrections**

Faculty must submit course grades online to the Office of the Registrar by 5 pm of the third working day after the last day of the course. This includes the following:

- The last day of finals week for full semester courses in the fall and spring terms;
- The last day of the designated part of the term for courses that are less than a full semester in length, or any course offered in the interim winter or summer sessions.

Grade changes or corrections must be submitted within the first six weeks of the following term and must be signed by the instructor and the Academic Unit Leader. These include the following:

- Changes to grades for classes taken in the fall semester or interim winter session are due within the first six weeks of the spring semester.
- Changes to grades for classes taken in the spring are due within the first six weeks of the summer.
- Changes to grades for classes taken in the summer are due within the first six weeks of the fall semester.

Grade change requests submitted after the six-week period must be approved and signed by the instructor, the Academic Unit Leader, and the Dean of the College (or designee).

Once final course grades are submitted to the Office of the Registrar, other than an Incomplete, no grade change can be made based upon course work completed after the term has ended. Grade change requests must be submitted via OnBase by the instructor of record, or Academic Unit Leader. No grade changes will be accepted for courses that have been applied to an awarded degree and/or certificate/licensure program.

**Incomplete Grading**

At the discretion of the instructor, a temporary grade of Incomplete ("I") may be given if the student demonstrates that they cannot complete the requirements of the course due to extenuating circumstances beyond their control. Examples of such circumstances include, but are not limited to: serious illness of the student; accident; or death/illness in the family. Examples of circumstances that are not extenuating include, but are not limited to: a student's poor academic performance in class; a student's time management and planning; and/or a student's lack of adherence to/awareness of University policies or deadlines.

Students must have a passing grade in the course at the time that an Incomplete is requested unless the instructor determines that there are extenuating circumstances to assign an Incomplete. The grade of Incomplete may be assigned up through the last week of the course, which includes finals week.

After an Incomplete grade is given, students should NOT register for the course a second time. A grade of "I" is not used to compute grade point average (GPA) and is not counted towards graduation. Degrees will not be conferred upon students with outstanding "I" grades.

**Grade change process for Incomplete grades:**

- The instructor must submit to the department chair or school director, a written notice of the specific coursework to be completed before the final grade is determined as well as reasons for the Incomplete grade. A copy is kept in the school/department and one is provided to the student.
- To change an Incomplete grade, the instructor must submit the grade change request to the Office of the Registrar. Grade change requests submitted within the first six-week period of the subsequent term in which the student originally enrolled in the course must be signed by the instructor and the school director/department chair. Grade change requests submitted after the six-week period of the subsequent term in which the student originally enrolled in the course must be approved and signed by the instructor, the school director/department chair and the Dean of the College (or designee).
- If the course requirements are not completed and the grade change not received in the Office of the Registrar within one year after the term in which the "I" was



assigned, the grade will be recorded on the academic record as a failing or unsatisfactory grade. Once the Incomplete grade(s) have converted to failing/unsatisfactory, a grade change(s) will not be permitted.

For more information, please contact the Office of the Registrar at 970-351-4UNC (4862).

## Graduation

**Website:** [www.unco.edu/registrar/graduation](http://www.unco.edu/registrar/graduation)

Degrees and majors are approved through the Colorado Department of Higher Education. Students may not pursue both an undergraduate and a graduate degree program simultaneously without prior approval from both the Office of the Registrar and the Graduate School.

Questions regarding multiple majors and concurrent degrees should be directed to the Office of the Registrar.

### Applying for Graduation

Students who intend to graduate must apply for graduation through the Office of the Registrar. A \$50.00 non-refundable graduation application fee will only be charged one time per degree and is applied to a student's account. If a student plans to complete a Certificate program as well, another \$50 fee will be charged to their student account once their second application is accepted. If the student is completing both a Bachelor's Degree and a Certificate program and apply for graduation and certificate completion in the same semester, the student will only be charged the \$50 graduation fee once.

The graduation fee covers the cost of processing and posting a student's degree, covering the ordering and postage of the diploma. All graduating students are assessed the graduation fee independent of their participation in a commencement ceremony.

### Applications are only accepted:

- After the student has registered for their final semester
- After any course adjustments are processed and the student is showing that they have met all requirements on Degree Works. The only exceptions are students who are transferring in coursework in their last semester or completing an Oral Proficiency Exam, Biology Exit Exam, Chemistry Exit Exam, Art Portfolio, or Senior Music Recital.

### To Apply:

- Please complete the Undergraduate Graduation Application form by visiting [onbase.unco.edu/Registrars/GraduationApplication](http://onbase.unco.edu/Registrars/GraduationApplication) to apply for graduation. Once you have completed the application, please make sure to select the submit

button located in the bottom left hand corner of the form.

Once the Office of the Registrar receives a student's intent to graduate, a response will be sent to the student's Bear email to confirm or deny the graduation application.

If a graduation application is denied the student is responsible for speaking to and following up with their advisor about any missing requirements. The Office of the Registrar will not advise on missing degree requirement(s). The student must re-apply when there are no longer any missing requirements.

If the application has been accepted, the student and their advisor will receive a detailed email via BearMail within 5 to 10 business days showing any outstanding graduation requirements.

All course adjustments must be submitted to the Office of the Registrar before a student applies for graduation.

It is highly recommended that students generate an updated Degree Works report each time they register or when changes are made to the student's record (i.e., course substitutions, transfer work, major/minor changes, etc.)

To generate a current Degree Works report, student can go to Ursa and sign in with their respective username and password, click on the **Student tab** to view a degree audit report and access various Degree Works tools.

For more information about Degree Works, see [www.unco.edu/registrar/graduation/graduation-degreeworks.aspx](http://www.unco.edu/registrar/graduation/graduation-degreeworks.aspx).

If students make any of the changes listed above or if a student requests to change their graduation date, the student must notify the Office of the Registrar at 970-351-4UNC (4862), option 2.

To graduate in any given semester, all graduation requirements must be completed (with relevant documentation submitted to the Office of the Registrar, as necessary) two weeks before the release of official transcripts.

For transcript and diploma release dates, see [www.unco.edu/registrar/graduation/graduation-transcript-diploma-release.aspx](http://www.unco.edu/registrar/graduation/graduation-transcript-diploma-release.aspx).

Degrees are not awarded during the Interim Winter Session; students who complete their graduation requirements in Interim Winter Session are considered graduates of the subsequent spring semester.

### Commencement Ceremony

In order to participate in a Fall or Spring commencement ceremony, students must be on the tentative graduation list prior to the date of the respective commencement ceremony. If students have not applied for graduation they will not appear on any graduation list.

There is no Summer commencement ceremony; all Summer graduates are invited to participate in the Spring ceremony. Students completing their graduation requirements in the Interim Winter Session will participate in the Spring commencement ceremony and will have their degree conferred the respective Spring semester.

Exceptions can be made for students who will be doing their student teaching or internship out-of-state their last semester. An exception form to Petition to Participate in Commencement can be found at [www.unco.edu/registrar/forms.aspx](http://www.unco.edu/registrar/forms.aspx).

Documentation is required from the advisor stating that they have approved the student's internship/student teaching out of state. Documentation is also required from the facility hosting the student stating that they are allowing that student to do their internship/student teaching at their facility.

### Diploma Release

Concentrations and minors are not printed on the diploma. Only the degree and major(s) are printed on the diploma.

Diplomas will be released two weeks after the release of official transcripts.

Diploma mailing addresses must be updated/provided at least three weeks before the release of diplomas. If the student does not provide a diploma mailing address by that time, the student's diploma will be mailed to their permanent address. In the event there is no permanent address on file, the parent address will be used instead. If the student does not have an active mailing address on file, their diploma will be held for one year. After one year, a fee will be required to re-issue the student's diploma.

The student may change their Diploma Mailing address through the Update Addresses and Phones link up to three weeks before the diploma release date.

The student's diploma will not be released if the student has a hold on their account. If the student's hold is released after the release date of diplomas, please contact the Office of the Registrar at [graduation@unco.edu](mailto:graduation@unco.edu) or 970-351-4UNC (4862).

For exact deadlines, please visit the Office of the Registrar website: [www.unco.edu/registrar/graduation/graduation-deadlines.aspx](http://www.unco.edu/registrar/graduation/graduation-deadlines.aspx).

### Graduation with Honors

Graduation with honors is determined on the basis of a student's cumulative UNC grade point average at time of degree completion: 3.90-4.00 for summa cum laude, 3.80-3.89 for magna cum laude, and 3.70-3.79 for cum laude. This GPA must be based off of at least 56 semester hours of UNC credit.

Each student's record will be reviewed at the start of their semester of graduation; students with qualifying cumulative grade point averages and the minimum 56 semester hours of UNC credit (including coursework enrolled in during the final semester) will be recognized at the commencement ceremony.

Students who meet the qualifications upon completion of their degree (including grades earned during the final semester) will have their Latin honors designated on their diploma and official transcript.

## Graduation Requirements

### Bachelor's Degree

A bachelor's degree is an academic title granted to a student who has completed a specific course of study. Degree titles are authorized by the Colorado Commission on Higher Education and programs leading to the degrees are administered by the University, a college, a school and sometimes a program board or coalition of faculty.

The faculty of UNC has established four general requirements that a student must meet to earn a baccalaureate degree:

1. Earn a minimum of 120 semester credit hours.
2. Have a University of Northern Colorado cumulative grade point average of at least 2.00. Certain programs or majors may have additional requirements.
3. Have at least 31 credit hours in courses designated as Liberal Arts Curriculum. See "Liberal Arts Curriculum (p. 70)."
4. Meet all degree requirements in the student's major field of study, as listed in the Catalog current when the first major is officially declared. This may include required minors, licensures, and/or endorsements.

### Catalog Requirements

Requirements for graduation are checked as follows:

1. Student completes all degree requirements (the Liberal Arts Curriculum, major(s), minor(s), teacher licensure) as designated in the catalog of the academic year in which their primary major is declared.

**NOTE:** *A change from one major to another (or a change of one concentration to another within the same major) effects a change of catalog year into the catalog in effect when the major change occurred.*

2. Each catalog is in effect for a six-year time limit.
3. At the expiration of a catalog's six-year time limit, the student may select any subsequent catalog up to and including the current one, provided the student is or was in attendance at the University during that academic year.
4. A student may change at any time to any subsequent catalog year as long as they attended UNC during that

academic year; this change requires submission of a major/minor change form by the student's advisor ([www.unco.edu/registrar/forms.aspx](http://www.unco.edu/registrar/forms.aspx)). If a student's catalog has expired, the student must also submit a major/minor change form to update their catalog. If a student's program does not exist in the desired subsequent catalog, the student must instead declare a new program, also using the major/minor change form. If a student's major or minor has changed names in the subsequent catalog, the student must obtain signature approval from the academic department of the new major or minor.

## Course Substitutions and Course Waivers

### Course Substitution

Any program course requirement, as approved through the curriculum process and listed in the catalog that is replaced/substituted by another course. All course substitutions must ensure the maintenance of academic program integrity and should be in the same area as the required course or in a closely related field. Course substitution decisions are made only by the related academic unit. Additionally, course substitutions have direct academic impact on other UNC courses. Academic impact must be considered when a request for course substitution is made.

### Course Waiver

Any program course requirement, as approved through the curriculum process and listed in the catalog, that is deemed unnecessary to be completed by an individual student due to the student's non-course experiences and/or demonstrated existing knowledge. All course waivers must ensure the maintenance of academic program integrity. Course waiver decisions are made only by the related academic unit. Academic impact must be considered when a request for course waiver is made.

View the Undergraduate Course Adjustment Form.

## Correspondence Credit and Transfer Work

A maximum of 30 semester hours of credit in correspondence and/or continuing education courses will be accepted toward graduation.

All correspondence courses and/or transfer work must be completed, received, graded and recorded before the end of the semester of graduation.

## Degree Conferral Policy

UNC confers degrees after the conclusion of the Fall, Spring, and Summer terms. The official date of conferral will be listed on official transcripts and diplomas. The conferral date is either the date of commencement (for Fall and Spring semesters) or the last day of the Summer

semester. Transcripts and diplomas listing the final degree are typically available 4 to 5 weeks after the end of the term to allow time for the Office of the Registrar to verify that all degree requirements have been completed (See Semester Academic Calendar). Prior to the date final transcripts and degrees are available, a student who completes all requirements may request an official "Pending Conferral Letter" from the Office of the Registrar.

Academic records will be locked upon degree conferral. Under no circumstances will changes be made to the academic record after a degree has been conferred.

## Submission of Transfer Credit

Official transcripts from all colleges and universities containing transfer credit necessary for completion of degree requirements must be received by the Office of the Registrar before the semester of graduation.

## Previous Credit Earned

Regardless of the time a course was taken before the UNC baccalaureate degree is to be granted, it may be applicable toward the UNC degree to satisfy Liberal Arts Curriculum Requirements and count toward the minimum 120 hours that are required for a UNC degree. Acceptance of course work of AP/SAT/ACT scores older than 10 years to satisfy major, minor, licensure, endorsement and/or certificate requirements is at the discretion of the respective department. Please see the respective individual programs in the UNC catalog for more information in regard to the program policy on course work older than 10 years.

## Residency Requirement

A student must have earned a minimum of 30 semester credit hours in UNC courses. 20 of the last 30 semester credit hours of a degree program must be earned in UNC courses. Exceptions to this residency policy may be found in the requirements for individual programs as described in the UNC catalog.

## Immunization Regulation

Colorado State Immunization law requires all University students born after January 1, 1957, to submit proof of two MMR (measles, mumps, and rubella) vaccines. Students must submit immunization records prior to registering for classes at UNC. **Students who fail to comply with this requirement will not be allowed to register.**

Individuals who are unable to be immunized due to medical, religious, or personal reasons are exempt from this regulation when they file exemption through the State of Colorado Department of Public Health. In the event of an outbreak of illness on campus, individuals who do not have proof of immunization or who have filed a Certificate

of Exemption form will be subject to exclusion from classes and residence halls and will be quarantined. The University is not responsible for any liability the student may suffer due to an exclusion and/or quarantine.

It is a UNC requirement for all incoming international students from countries where TB is endemic to undergo TB screening at the start of their first semester at UNC. Proof of a QuantiFERON TB screening test must be submitted to Student Health Services by the 10th day of classes of their first semester at UNC. Students who fail to comply with this requirement will have a hold placed on their registration. Students should contact the Center for Office of Global Engagement at 970-351-2396 for additional information about this requirement.

The Meningitis vaccine is required for freshman living in student housing, unless they read and sign the Meningococcal Information and Waiver Document. This document is provided by Residence Life and Education as part of the online housing contract. For all other students the Meningitis vaccine is highly recommended. Students interested in getting the Meningitis vaccine should contact the UNC Immunization Coordinator at 970-351-1919 for further information on how to obtain this vaccine.

Additional Immunization documents may be required by certain programs.

Covid vaccinations are highly recommended, but documentation does not have to be submitted at this time. For all immunization requirement instructions go to [www.unco.edu/student-health-center/immunization-requirements.aspx](http://www.unco.edu/student-health-center/immunization-requirements.aspx).

### Insurance Requirement for All Students

[www.unco.edu/student-health-insurance-program/](http://www.unco.edu/student-health-insurance-program/)

All Undergraduate students taking 9 or more credit hours and all Degree Seeking Graduate students taking 6 or more credits per semester, regardless of the type of class (on campus, off campus, online only) are required to have full coverage health insurance.

Students who meet the credit hour criteria will be automatically enrolled in the UNC Student Health Insurance Plan and the cost will be added to your UNC student bill. Students have the option to waive out of the UNC Student Health Insurance Plan by completing the online insurance waiver showing proof of comparable coverage prior to the deadline, which is always the 10th day of classes each semester.

If a waiver is completed for the UNC Student Health Insurance Plan for Fall semester, the enrollment and subsequent charge for Spring semester will also be waived. If you have questions regarding re-enrollment in the UNC Student Health Insurance Plan, contact the Student Insurance Office at 970-351-1915.

**Please note: All international students regardless of the number of credit hours will be charged for the UNC insurance plan. To be eligible to waive participation in the UNC-sponsored health insurance plan, UNC's Board of Trustees, generally speaking, allows for U.S.-based equivalent insurance coverage as a basis for waiver. In other words, such plans must be comparable with Gold or Platinum plans under the Affordable Care Act (ACA), and provide coverage for all benefits and services included in the UNC SHIP plan. All international students must follow the waiver process through the Office of Global Engagement website. Deadline for the waiver is the 10th day of classes.**

### Major and Minor Information

**Website:** [www.unco.edu/registrar/](http://www.unco.edu/registrar/)

The catalog used to determine major requirements is the catalog in effect at the time the major is declared. A change of major will effect a change of catalog; a change of concentration is considered a change of major. Minors, additional majors, licensures and endorsements follow the major catalog. Regardless of a student's catalog year, any course taken at UNC after Summer 2006 may be used to satisfy a particular Liberal Arts Curriculum requirement if and only if it is listed as an approved Liberal Arts Curriculum course in the relevant area in the Catalog in effect at the time at which it was taken.

To change a major or minor, request from your advisor that they submit a Major/Minor Change Form. The form will be submitted to the Office of the Registrar for processing. A minor cannot be declared unless a degree-seeking major has been declared.

### Major and Minor Requirements

A major is a concentration of courses in a student's declared area of primary academic study that, when accompanied by appropriate supporting courses, leads to a degree. Majors are recorded on the student's permanent record. The requirements for a major are specified in the catalog of the academic year in which the student declares a major.

Certain courses are required for the major, but electives may be chosen from a range of alternatives prescribed by the program. Students who are unsure of their major may enter the University as 'Exploring' and are advised by Soar. The School of Nursing advises Exploring the Liberal Arts Nursing Students.

Students are required to declare a major by the time they have completed thirty (30) credit hours toward graduation, including transfer credit (See 30-Credit Policy for Exploring the Liberal Arts Students) (p. 44). Undergraduate students may transfer from one major to another by requesting a Major/Minor Change Form as long

as they meet the requirements of the new program. When a student with a Seeking or Exploring program declares a degree bearing program, the Seeking and/or Exploring program will be removed from their curriculum at the time of the Major/Minor Change process. A change of concentration area constitutes a change of major. Students changing majors must meet with an academic advisor in the newly declared major to obtain a Personal Identification Number (PIN).

A concentration area includes specified courses that provide a particular focus within a major. Concentration areas for majors are recorded on the student's academic record.

An academic minor involves less extensive concentration in a discipline but still imposes specific requirements. An undergraduate minor is a specific set of courses in a subject area or academic discipline. A minor does not alone lead to an academic degree, but may be required by some majors. A minor differs from a concentration area in that a minor is not a focus within the student's major.

The requirements for a minor are specified in the Catalog of the academic year in which the student declares a first major.

To complete a major from UNC, a student is required to earn a minimum of nine upper-division UNC credits (300-400) or UNC approved Study Abroad credits (300-400) in that major. To complete a minor, a student is required to earn a minimum of six upper-division UNC credits (300-400) or UNC approved Study Abroad credits in that minor.

A maximum of 12 credit hours of coursework can be shared between a major and a minor. Exceptions to this policy may be found in the requirements for individual programs as described in the UNC catalog.

The student must meet all requirements and pass all courses required by the school/college or program from which they select a major or a minor. These requirements vary and are specifically stated in the section of this catalog that summarizes each academic program's offerings including its majors and minors.

Each undergraduate student is strongly encouraged to work closely with their assigned faculty advisor in selecting Liberal Arts Curriculum courses, major and minor offerings and elective courses from other disciplines. If a student has more than one major or minor they are encouraged to see advisors in each area of study prior to course registration.

### Exploring the Liberal Arts

Exploring the Liberal Arts or "Exploring" is a term used by UNC for students who have not yet decided on or declared a specific major. Typically, students choose to be Exploring for one or more of the following reasons. They:

- are uncertain about what they want to study.
- have many interests and want to explore several options first.
- declared a major but no longer want to pursue it.
- were not initially admitted to their preferred major.

Students should take their interests, skills, values, goals, and abilities into consideration when choosing a major. Soar advisors will work with Exploring students to help them navigate and connect with additional resources on campus to identify goals.

UNC new or transfer students, who are unsure about what program of study is best suited to their goals, can choose to be designated as Exploring the Liberal Arts when they enter the University. A clear path for degree completion is of the utmost importance. For this reason, students designated as Exploring the Liberal Arts are required to declare a major by the time they have completed thirty (30) credit hours toward graduation, including transfer credit. (See 30-Credit Policy for Exploring the Liberal Arts Students (p. 44)).

Students with a declared major who wish to change their major status to Exploring the Liberal Arts should contact Soar to make an appointment for review and approval. Students who request this change must have fewer than eighteen (18) credits of registered and/or previously earned hours combined. Students who would like to explore other major or minor options may receive services from Soar regardless of their current major status. Soar advisors can help any student with the process of selecting a new major, yet may only advise students on course registration and provide a Personal Identification Number (PIN) if the student is declared as Exploring.

### 30-Credit Policy for Exploring the Liberal Arts Students

The 30-Credit Policy directs students towards successfully completing a degree at the University of Northern Colorado. 120 credits are required to complete a degree at Northern Colorado. A student who has earned 30 credits should have completed one quarter of the requirements for earning a degree. Usually students reach 30 credits after either their second or third semester. Ensuring that students have a clear path for degree completion is of utmost importance to Northern Colorado, and the 30-Credit Policy illustrates this commitment to student success.

The 30-Credit Policy requires students who have earned 30-credits to declare a major. Credits used in calculating earned hours at Northern Colorado include all applied transfer credit, college credit earned in high school, and Northern Colorado credit hours. A No-Major Hold is applied to Exploring the Liberal Arts students' accounts upon the completion of 30 credits. Once a student has requested the appropriate paperwork and met any

admission requirements for declaring a chosen major, the No-Major Hold is removed from the student's account.

### Exploring Programs

An Exploring Program is a collection of core course requirements that incoming students must complete prior to declaring a full major. The material covered in these courses provides the foundation for more focused and detailed study as students progress towards declaring the intended major.

The following areas are Exploring Programs:

- Dietetics
- ASLEI (American Sign Language English Interpretation)
- Nursing

Starting in an Exploring Program serves several purposes:

- It allows students to develop a strong, discipline-specific knowledge base before progressing to more sophisticated concepts. Through this exposure, they are better equipped to determine whether the intended major is the best fit for them academically.
- It provides a clear map for a student's sequence of courses, which is important for four-year graduation planning.
- Students who struggle in foundation courses are likely to struggle throughout the major. A low GPA can have long-term consequences for students' post-baccalaureate plans, such as finding employment or gaining admission into a graduate or professional school. By providing students with grade-related feedback early in their college experience, Exploring Programs allow them time to find a more suitable major if applicable.

Students matriculating into UNC under Exploring Programs will be required to change to adopt the most current catalog once officially accepted into a major. Like all students at UNC, those in Exploring Programs are required to declare a major by the time they have completed thirty (30) credit hours toward graduation, including transfer credit.

### Concurrent Degrees and Multiple Majors

Students who complete multiple majors can be awarded multiple degrees if they complete an additional 30 credits (above and beyond the 120 credits required for the first degree) for each additional major. For example:

- Students who complete two majors and 150 or more credits can receive two degrees.
- Students who complete three majors and 180 or more credits can receive three degrees.

The following examples illustrate transcript and diploma display when the additional 30 hours are completed, and also when fewer than 30 additional hours are completed.

Student who complete **two majors and 150 or more credits** earn a double degree. Example: For a student with a first major of Business Administration and a second major of Geography:

- Transcript display:  
Bachelor of Science  
Major: Business Administration  
Major Concentration: Finance
- Diploma display (two separate diplomas are produced):  
Degree of Bachelor of Science  
Business Administration
- Diploma display (two separate diplomas are produced):  
Degree of Bachelor of Arts  
Geography

Concentrations are not printed on the diploma.

### Single Degree, Multiple Majors

Students who complete **two majors but have fewer than 150 credits** earn one degree with two majors. Example: For a student with a first major of Business Administration and a second of Geography:

- Transcript display:  
Bachelor of Science  
Major: Business Administration  
Major Concentration: Finance
- Diploma display (a single diploma is produced):  
Degree of Bachelor of Science  
Business Administration  
Geography

Concentrations are not printed on the diploma.

### Single Major, Multiple Concentrations

Students who complete one major with multiple concentrations (in selected majors where allowed) earn one major and one degree, regardless of the number of credits completed.

Example: For a student with a major of Business Administration, with concentrations in Finance and Accounting:

- Transcript display:  
Bachelor of Science  
Major: Business Administration

Major Concentration: Finance  
Major Concentration: Accounting

- Diploma display (a single diploma is produced):  
Degree of Bachelor of Science  
Business Administration

Concentrations are not printed on the diploma.

Degrees and majors are approved through the Colorado Department of Higher Education. All credits acquired during pursuit of a degree are incorporated in that degree and may not be used to satisfy any future degree. Students may not pursue both an undergraduate and a graduate degree program simultaneously without prior approval from both the Office of the Registrar and the Graduate School.

Only course work that is required for a degree will count towards a student's enrollment status. Additionally, if a student has completed the degree requirements for a single degree, even if the student has not applied for graduation, that student is no longer eligible for Title IV aid for that program. The fact that a student might be getting a dual degree and has not completed the requirements for the second degree does not change this.

Questions regarding multiple majors and concurrent degrees should be directed to the Office of the Registrar.

## Second Baccalaureate

### **Completed 1st bachelor's degree at the University of Northern Colorado**

Any student who has earned a baccalaureate degree from UNC and intends to earn a second baccalaureate degree from UNC must submit a Major-Minor Change form. Upon completion of the form and approval by the appropriate programs, the student's records will be changed to reflect the intent to complete a second baccalaureate degree.

A student seeking a second baccalaureate degree at UNC must earn a minimum of 30 additional semester hours of credit beyond the credits required for the first degree and must fulfill all program requirements.

### **Completed 1st bachelor's degree at another institution**

Any student who has earned a baccalaureate degree from another institution and intends to earn a second baccalaureate degree from UNC must complete an admission application through the UNC Admissions Office.

A student seeking a second baccalaureate degree at UNC must earn a minimum of 30 additional semester hours of credit beyond the credits required for the first degree and must fulfill all program requirements.

A student who has earned a baccalaureate degree or post-graduate degree from UNC or another institution, cannot

pursue a second baccalaureate degree, or a minor in conjunction with a second baccalaureate degree, from UNC in the same major/area of study as the prior degree.

## Name Change

Application for admission to the University requires students to use their legal name. The legal name must be the name that is recorded on legal documents such as a driver's license, birth certificate, passport, social security card, alien registration card, certificate of naturalization, etc. If a student changes their legal name, the University will require proof of the new legal name recorded on a legal document, which can include a marriage license, adoption record with new birth certificate, divorce decree, court order, etc. The legal name is imperative at both the state and federal level reporting (e.g., financial aid, College Opportunity Fund, employment, immigration).

## Name In Use

A first name by which an individual wishes to be identified, that is other than the individual's legal name, is a "name in use." UNC will provide a process to include a name in use for any student's first name in UNC's information systems. While UNC will work toward primary use of the name in use, students should be aware that the use of the legal name will continue to be necessary in multiple communications and processes due to UNC business or legal requirements and/or system limitations.

UNC reserves the right to deny a request to include a name in use in its information systems if the request is fraudulent, carries connotations offensive or indecent, or violates the Board Policy Manual, University Regulations and/or Student Code of Conduct. Issues relating to such matters may be referred to the Dean of Students Office for consideration and resolution.

UNC will investigate reports of misuse and abuse of the name in use process/policy statement. Depending on the circumstances, those involved in such investigations may include Human Resources, Dean of Students, Provost, University Counsel, and/or appropriate law enforcement agencies.

The university also reserves the right to remove a name in use that is deemed misrepresentative and suspend the individual's privilege to update their name in use.

## Pronoun in Use Information

For the purpose of this policy, pronouns refer to the personal, possessive, and reflexive words that replace proper nouns in different parts of speech/communication/writing that may denote gender, and by which an individual wishes to be identified. The University of Northern Colorado (UNC) embraces the diversity of its students. As an inclusive practice, UNC has implemented an optional process for students to designate their pronouns to the institution. It is our goal to have

students' identities affirmed and their pronouns used appropriately in every aspect of campus life. Pronoun information can be designated by the student on the admissions application or by completing and submitting the Individual Data Change Request Form found on the Registrar's website.

We encourage students to report issues relating to pronoun usage to the Dean of Students Office for consideration and resolution. Depending on the circumstances, those involved in such investigations may include Human Resources, Dean of Students, Provost, University Counsel, Office of Institutional Equity & Compliance, and/or appropriate law enforcement agencies.

### Special Characters in Name Usage

The use of special characters in an individual's name is recognized and important to the University. All attempts are made to ensure the use of special characters in an individual's name. However, the University uses multiple database systems, both internal and external, where certain special characters are incompatible with the database field structures requiring the removal of the special character.

### Name In Use/Graduation Ceremonies

Students may provide their name in use at the point they apply for graduation on the graduation application. Students with a name in use on file with the Office of the Registrar, and who wish to apply their name in use for graduation ceremonies and commencement program publication, must submit an Individual Data Change Request Form or Graduation Application by the graduation application deadline. For information on protocols, please visit the Graduation Deadlines site.

If a student chooses a name in use in place of a legal first name prior to the graduation ceremony, and in the commencement program (not transcripts or diplomas), and they did not make the request on the Graduation Application, they must submit an Individual Data Change Request Form. The student will then select the appropriate box to override one's legal first name, and substitute the name in use for the legal first name at the ceremony.

If a student uses their middle name as a name in use, we recommend that they request removal of their middle name to prevent duplication. Should a student choose not to delete their middle name from the system, and their middle name is the same as their name in use, the middle name will be omitted from the program. Please see the Name in Use FAQs for more information.

Changing your name in use on the graduation application will also impact:

- Housing contracts
- Recreation Center
- Student online directory
- Canvas

- Library Checkout
- Career Services (Handshake)
- Student Email address

***A student's legal name will be published on diplomas and official transcripts.***

*This policy statement may be modified or rescinded at the discretion of UNC.*

### Off-Campus Activity and Field Trip Disclaimer

As part of the courses and extracurricular activities offered by the University, students will be encouraged to attend campus events or engage in off-campus activities as a supplement to their on-campus instruction and education. These activities may include travel to foreign countries or other states as well as in-state field trips. Students may be expected to provide their own transportation to and from such activities, or the University may arrange or otherwise provide transportation.

Under any circumstance, however, the University requires its students to maintain appropriate insurance and be responsible for their conduct and activities at all times, on- or off-campus. The University requires its students to comply with all laws and to assume all responsibility and liability for their actions and conduct while attending, being involved in or traveling to and from any off-campus activities, whether for required or voluntary activities.

### On-Campus Living Requirement

All newly admitted students, freshman and transfer students, with less than 20 college credit hours earned after high school graduation (or equivalent), who are under 21 and not living with a parent or legal guardian in the local area must live in the university's residence halls through the completion of the first academic year of their attendance.

Local area is defined by school district. Included school districts are Ault Highland RE-9, Eaton RE-2, Greeley 6, Platte Valley RE-7, Poudre R-1, Thompson R-2J, Weld County RE-5J, Weld RE-1 and Windsor RE-4.

Credits earned through Advanced Placement (AP), International Baccalaureate (IB), College-Level Examination Program (CLEP) or concurrent enrollment with high school do not apply towards the live-on requirement.

Although some students are exempt from the live-on requirement, UNC is a residential campus and encourages all students to live on campus to increase their connection to the UNC community.

### Orientation

The New Student Orientation program is designed to assist first-time freshmen and transfer students through the



transition into the University of Northern Colorado. Family members are also encouraged to experience the university through Parent Orientation. First-time freshmen are expected to attend and participate in a two-day New Student Orientation session.

Transfer students are also encouraged to attend a one-day New Student Orientation. Orientation will provide essential information about the University, its academic policies and procedures, how to get involved on campus, and how to be a successful college student.

Freshmen will also receive academic advising and register for classes at New Student Orientation. Transfer students should make an appointment with their academic program to receive academic advising and assistance registering for classes. By separate mailing, newly admitted students will receive information on the New Student Orientation program. You may also visit the website at [www.unco.edu/orientation](http://www.unco.edu/orientation).

### **Parking Regulations**

The mission of UNC Parking Services is to manage an efficient and self-supporting system of parking lots for the campus. We will design and maintain our lots to enhance safety and an orderly traffic flow. We will enforce Parking Rules and Regulations so that our patrons receive the best service possible. Students, Faculty or Staff who wish to park on campus can purchase a parking permit from Parking Services (Gray Hall) or go online at [www.unco.edu/parking](http://www.unco.edu/parking). Visitors and short-term guests can purchase Visitor's Permits at Parking Services or Daily Permits from one of the many dispenser units located across campus. UNC's parking lots are enforced all year, as per the signage at the entrance to each lot. No tax revenue, student fees or tuition funds are received or used for parking facilities.

### **Plagiarism**

The following is UNC's approved definition of plagiarism: Plagiarism is the act of appropriating the written, artistic, or musical composition of another, or portions thereof; or the ideas, language, or symbols of same and passing them off as the product of one's own mind. Plagiarism includes not only the exact duplication of another's work but also the lifting or a substantial or essential portion thereof.

Regarding written work in particular, direct quotations, statements which are a result of paraphrasing or summarizing the work of another, and other information which is not considered common knowledge must be cited or acknowledged, often by listing author(s) and year of the cited source. Quotation marks or a proper form of indentation shall be used to indicate all direct quotes.

As long as a student adequately acknowledges their sources and as long as there is no reason to believe that the student has attempted to pose as the originator, the student

will not be charged with plagiarism even though the form of the acknowledgement may be unacceptable. However, students should be aware that most professors require certain forms of acknowledgement and some may evaluate a project on the basis of form.

### **Posthumous Degrees**

Students who die during their academic programs may be awarded posthumous degrees.

1. The request to award a posthumous degree may be initiated by the decedent's family, the major department/school/program area, or college, as well as by the Dean of Students.
2. The CAO, in consultation with the Dean of Students, shall determine whether the student had made reasonable progress toward degree completion and did not have a significant disciplinary incident.
3. If the conditions in (2) are met, the Registrar shall withdraw the student from all unfinished courses the student was enrolled in at the time of death (if applicable), order the appropriate diploma, and arrange for the decedent to be listed in the first available commencement program.
4. The Registrar shall send notice of the posthumous degree award to the President, the CAO, and the decedent's major department/school/program area and college.
5. The President shall write a letter to the decedent's family announcing the posthumous degree and the date of the commencement ceremony at which the degree shall be awarded.

### **Semester System**

The University of Northern Colorado follows the early semester system in which the academic year is divided into two instructional semesters of approximately 15 weeks each. The academic year (fall, spring) begins in late August and concludes in mid-May, with a vacation break between the semesters. Courses are offered online during the vacation break starting after fall courses have ended and finishing prior to spring courses starting. A full slate of courses is offered during the summer semester. Students enrolling in the University for the first time may do so before the beginning of any semester.

### **Student Conduct Code (BEAR Code)**

Please see the Student Code of Conduct (Bear Code) located on the Dean of Students website: [www.unco.edu/dean-of-students/](http://www.unco.edu/dean-of-students/).

## Transcripts

Official transcript requests are made through the Office of the Registrar. There is a fee for each transcript ordered. Appropriate request procedures and fee payment options are outlined at [www.unco.edu/registrar/etranscripts.aspx](http://www.unco.edu/registrar/etranscripts.aspx).

Educational institutions or third party transcript processors who are requesting official UNC transcripts on behalf of a student must submit the following:

- A third party records release signed by the student, no digital signatures will be accepted, which includes the student's name, previous names, dates of attendance, date of birth, and last 4 digits of the SSN (optional).
- A third party may use its own record release form if it provides all the information listed above. UNC's release form can be found at [www.unco.edu/registrar/pdf/3rd-party-release-form.pdf](http://www.unco.edu/registrar/pdf/3rd-party-release-form.pdf).
- For additional information on ordering and how to submit requests please visit: [www.unco.edu/registrar/etranscripts.aspx](http://www.unco.edu/registrar/etranscripts.aspx).

Third parties who may request transcripts on behalf of students may include:

- Accredited educational institutions
- Transcript processing companies
- Military
- Law firms, legal counsel
- Government institutions

Third parties who may not request on behalf of a student:

- Parents
- Spouses
- Family members
- Private employers
- Others with no legitimate educational interest

The University of Northern Colorado retains the right to deny any third party request, in which the university feels the student would be best served by requesting their own transcripts.

## University Withdrawal

### Withdrawals

**Website:** [www.unco.edu/registrar](http://www.unco.edu/registrar)

Pursuant to U.S. Department of Education (34 CFR 668.22), notice of intent to withdraw at the University of Northern Colorado occurs when a student notifies the Office of the Registrar of their intent to withdraw (via telephone, in person, or through written notification).

The date a student notifies the Office of the Registrar of their intent to withdraw will be used as the official withdrawal date from UNC, unless otherwise noted below. Please note that if a student sends a letter to the Office of the Registrar to provide notification of intent to withdraw, the official withdrawal date is the date that the letter is received by the UNC Registrar.

When withdrawing from a course(s), the student will be charged 100% tuition.

## Voluntary Withdrawal

### Individual Course Withdrawal

A student is a member of each course for which they register. Students are responsible for confirming their schedule online through the Student Tab in Ursa. Students may withdraw from individual courses in person or online through the Student Tab in Ursa. Students may request a complete schedule withdrawal from the Office of the Registrar. Withdrawal deadlines are published on the Office of the Registrar website or through the Student Tab in Ursa by clicking on the "Your Course Drop/Withdrawal Deadlines" link. A student will be charged 100% tuition for each course from which they have withdrawn.

### Complete Schedule Withdrawal

Students who wish to withdraw completely from all courses in the current semester, whether planning to return to UNC or not, must contact the Office of the Registrar at 970-351-4UNC (4862) to begin this process.

#### • Full Semester Courses

The first date to withdraw from individual courses is the first class-day immediately after the drop deadline for full semester courses. The last date to withdraw from individual courses or request a complete schedule withdrawal from the Office of the Registrar is the Friday prior to Final Exam week. Respective full semester course withdrawal deadlines are published on the Office of the Registrar website.

#### • Special Term/Short Courses

Special Term/Short Course withdrawal deadlines are published on the Special Term/Short Course Report.

Current withdrawal deadline dates are published on the Office of the Registrar website.

UNC may use a student's last documented date of attendance or academic engagement in an academically related activity in one or more courses as the official withdrawal date, if the date of attendance or academic engagement occurred after the official notification described above.

In some instances, a second party (e.g., Dean of Students personnel, Counselor, etc.) may provide notification of

student's intent to withdraw to the Office of the Registrar when circumstances prevent the student from following the standard withdrawal process.

Requesting information about withdrawal, such as the potential consequences of withdrawal, does not constitute an official notification of intent to withdraw from the University of Northern Colorado.

Withdrawals must be completed by the complete schedule withdrawal deadline of the full semester. Withdrawals after the deadline will not be permitted. See the Special/Short-Semester Course calendar for courses that do not meet for the full semester.

### **Transcript Notation for Withdrawn Course(s)**

- A "W" appears on the transcript for each course from which a student withdraws.

### **Withdrawal from Graduate Program**

A student who has been admitted to a Graduate program and decides not to attend or who attends and decides to leave the program must:

- Notify the Graduate School in writing in order to have their file closed.
- Notify the Office of the Registrar to initiate the withdrawal process and drop any registration for subsequent semesters.

### **Involuntary Withdrawal**

Pursuant to University Regulations (3-2-305), UNC's Behavioral Intervention Team (BIT) may also determine that it is necessary for a student to be Involuntarily Withdrawn from UNC for the protection of the Student and/or the UNC community.

### **Disciplinary Withdrawal**

Students may be withdrawn administratively for disciplinary reasons, subject to the Student Code of Conduct (BEAR Code), pursuant to specific Outcomes outlined in (UR 3-2-203 (8)). In cases where a student is withdrawn for disciplinary reasons (i.e., University Suspension, University Expulsion), UNC will use the date that the institution terminates the student's enrollment as the official withdrawal date. A notation will be added to a student's academic record noting either expulsion or suspension and the date of termination of enrollment.

### **Transcript Notation for Disciplinary Withdrawal**

- Events: Expelled or Suspended for Conduct
- Decision: 11/11/1111

### **Financial Aid Considerations for Withdrawals**

A student with financial aid should contact the Office of Financial Aid at 970-351-4UNC (4862) prior to withdrawing to determine the effect of the withdrawal on financial aid. The website of the Office of Financial Aid

may be found at [www.unco.edu/financial-aid/applying-for-aid/current-student.aspx](http://www.unco.edu/financial-aid/applying-for-aid/current-student.aspx).

The Office of Financial Aid will use the official withdrawal date documented by the Office of the Registrar for the purpose of calculating the return of Title IV funds.

Students will receive a grade of "W" on the transcript for each course that has not been completed. The grade of "W" does not impact the student's GPA. Grades for courses that have been completed during the current semester will remain on the transcript.

For more information on how your withdrawal will impact financial aid, please visit [www.unco.edu/financial-aid/](http://www.unco.edu/financial-aid/).

### **Housing and Residential Education and Dining Services Considerations for Withdrawals**

Housing & Dining contracts are for the full academic year (both fall and spring semesters). You must remain in the University's housing program if enrolled in 6 or more credits.

Housing and Dining Services will charge a daily rate (per diem) to students who withdraw from the University through the Drop Deadline (10<sup>th</sup> day of classes). After that date, students are charged in full for their room and board contract. For more information, please contact [housing@unco.edu](mailto:housing@unco.edu), [diningservices@unco.edu](mailto:diningservices@unco.edu), or visit [www.unco.edu/living-on-campus/](http://www.unco.edu/living-on-campus/).

NOTE: The Housing deposit is non-refundable after the cancellation deadlines listed in the terms & conditions for Housing & Residential Education. The Housing deposit will be forfeited for all students that withdraw or are enrolled in fewer than 6 credits.

### **Withdrawal for Call to Active Military Duty**

UNC will assist any student called to active military duty with reasonable accommodations to ensure the best possible transition to and from UNC. Depending on when during the semester the student is called to active military duty, different options may be available including university withdrawal, late withdrawal, late drops, or course incompletes.

Students are encouraged to work with the School Certifying Officials (SCOs) located in the Office of the Registrar in Bear Central at Campus Commons as a primary point of contact. SCOs can help students explore the options available to them. Contact email for the SCOs is [va.sco@unco.edu](mailto:va.sco@unco.edu).

### **University Withdrawal for Call to Active Military Duty During Term and/or Between Terms (Undergraduate Students):**

Students seeking a complete withdraw and appeal of tuition charges as a result of being called to active military

duty, should complete the Called to Active Military Duty Form.

NOTE: this form will require a copy of Title 10 or Active Duty Orders.

### **University Withdrawal for Call to Active Military Duty During Term and/or Between Terms (Graduate Students):**

Students seeking a complete withdraw and appeal of tuition charges as a result of being called to active military duty, should complete the Called to Active Military Duty Form.

NOTE: this form will require a copy of Title 10 or Active Duty Orders.

### **Returning to UNC (Undergraduate Students):**

#### Admitted, but never attended:

If a student was admitted to UNC and did not attend due to deployment, they may be required to submit a new application for admission. For deferral information, please see link.

#### Attended UNC in the past:

If a student has attended UNC in the past, had to leave for deployment, and would now like to return, they will need to:

Complete the Returning Student Application to update student status.

The Returning Student Application asks which semester the student plans to return to UNC. Student should work with their academic advisor for registration and planning purposes.

If a student left UNC on academic probation or suspension see [www.unco.edu/advising/probation-support.aspx](http://www.unco.edu/advising/probation-support.aspx).

### **Returning to UNC (Graduate Students):**

Returning Masters and Specialists graduate students will be charged the Continuous Registration fee for up to one year. After one year of non-enrollment, these students must complete a Graduate Student Petition for Exception form, with the support of their program, requesting that their program be reopened.

Returning Doctoral graduate students will be charged the Continuous Registration fee for up to one year of non-enrollment. After one year of non-enrollment, these students must complete a Graduate Student Petition for Exception form, with the support of their program, requesting that their program be reopened.

Important note: If a student was admitted to UNC but was not able to enroll due to deployment, they may be required to submit a new application for admission and new supporting documents depending upon the original term of admission. Enrollment deferrals of up to one year beyond

the original term of admission are allowed in such cases but must be arranged in advance; deadlines apply.

For questions about the return process (for students who have enrolled) or about obtaining an enrollment deferral (for newly admitted students), please contact the Graduate School at 970-351-2831.

### **Veteran/Military-Affiliated Students**

VA Education Benefits (Including the GI BILL®) are certified to the U.S. Department of Veterans Affairs (VA) by The University of Northern Colorado's School Certifying Officials (SCOs), located in the Office of the Registrar.

School Certifying Officials do not determine eligibility for benefits for approved education majors/programs. School Certifying Officials only report certifiable enrollment information to the VA.

For information on how to use VA education benefits at UNC visit the Office of the Registrar's website under the Veteran Services tab or follow the link below:

<https://www.unco.edu/registrar/registrar-veteran-services/veterans-get-started.aspx>

#### *Payment Deferral for VA Beneficiaries*

### **Summary**

Per §103 of Public Law 115-407, the Veterans Benefits and Transition Act of 2018, amended § 3679(e) of 38 U.S.C., to require educational and training institutions (ETI) to provide protections for any covered individual using U.S. Department of Veterans Affairs (VA) educational assistance under Chapter 31 or Chapter 33 while payment to the institution is pending from the VA.

### **Provision of the Law**

1. For each semester of enrollment, protection for covered individuals begins when the student provides the school with a Certificate of Eligibility (COE) or most recent award letter requires that the school:
  - a. Cannot deny a student access to classrooms, libraries, or other institutional facilities available to other students who have satisfied their tuition and fees.
  - b. Cannot make the student borrow money to cover the cost while waiting for payment.
  - c. Cannot charge a student a late fee or penalty.
  - d. Cannot prevent the student from attending or participating in their program of education during the period beginning on the date which the individual provides a certificate of eligibility or most recent award letter.

2. The protection period ends when VA makes payment or 90 days after the date the school certified tuition and fees, whichever is earlier.

### **Additional Required Actions**

While §103(a)(4) details additional actions that may be required of a covered individual to stay enrolled in a course pending receipt of tuition and fees, §104 of this law requires information be collected as to whether the institution requires additional actions of the covered individual.

The University of Northern Colorado requires that a covered individual must submit a written request to use entitled VA education benefits. This written request is referred to as a Veteran's Certification Request (VCR), and can be found on all students' URSA portal under the Student tab.

### **Military Tuition Assistance Return Policy**

Tuition Assistance (TA) is awarded to a student under the assumption that the student will stay enrolled at their current institution for the entire period for which the TA is awarded. If a student withdraws before the completion of a term, the student may no longer be eligible for the full amount of TA funds that they were originally awarded.

In compliance with Department of Defense regulatory policies, the University of Northern Colorado will now return any unearned TA funds on a prorated basis. The prorated refund will be issued to the branch of military service that originally issued it. No refund will be issued to the student.

Students who withdrawal or stop out due to a military service obligation, the University of Northern Colorado will work to identify any solutions to avoid the student receiving a debt.

For further assistance, please contact the SCOs in the Office of the Registrar, at Bear Central in the Campus Commons at (970) 351-4UNC (4862) or email [va.sco@unco.edu](mailto:va.sco@unco.edu)

## **Student Resources**

### **Office of Academic Community Engagement**

**Website:** [www.unco.edu/academic-community-engagement/](http://www.unco.edu/academic-community-engagement/)

University of Northern Colorado encourages community engaged teaching and learning that affords students opportunities to apply content and disciplinary knowledge outside the classroom, thus enhancing their learning experience while also impacting our communities. Courses that include community engaged learning (CEL) opportunities are recognized with a CEL designation. Please note this is an emergent process and courses are

continually being updated with this designation.

### **Community Engaged Learning (CEL)**

Community engaged learning is defined as learning that integrates academic content into students' engagement with the community in and out of the classroom. Community refers broadly to include public, private, non-profit, educational entities, governmental agencies, businesses, and other organizations external to UNC.

### **Alumni Relations**

The University of Northern Colorado Alumni Association serves UNC alumni and current students in building and accessing the global UNC Bear Network. Membership in the alumni association is automatic upon graduation; there are no membership fees. Current students and alumni are eligible to take advantage of all that membership has to offer including the Bear Network alumni career programs, special events, promotions and discounts exclusively available to UNC alumni. Students are encouraged to connect with the alumni association prior to graduation in order to meet alumni employers and connect with alumni working in industries and companies of interest.

Whether students plan on staying close in Colorado or venturing around the globe after graduation, the alumni association is never far away. UNC stays connected to alumni in a variety of ways, including sponsoring alumni groups and events in various cities. Visit [unco.edu/alumni](http://unco.edu/alumni) to learn more. Remember, Once a Bear, Always a Bear!

### **Bookstore & Fanshop**

**Website:** [www.unco.edu/university-center](http://www.unco.edu/university-center)

The UNC Bookstore & Fanshop, located on the lower level of the University Center, provides to the campus community textbooks, course materials, general reading books, and a variety of technology items like headphones, laptops, tablet computers, and other related accessories. The Bookstore & Fanshop also sells a large selection of UNC emblematic clothing, greeting cards, gifts, school and art supplies, and other necessities for students. Additional services include a textbook price matching program, textbook buyback, textbook rental, special order books, and general book information.

### **The Center for Honors, Scholars and Leadership**

**Website:** [www.unco.edu/honors-scholars-leadership](http://www.unco.edu/honors-scholars-leadership)

Through innovative programs and initiatives in the areas of curriculum development, undergraduate research, leadership studies, student development, and global community engagement, The Center for Honors, Scholars and Leadership fosters an active community of UNC students as they become socially responsible citizen scholars and leaders.

The Center for Honors, Scholars and Leadership includes the University Honors Program, President's Leadership Program and affiliate members: McNair Scholars Program, the Stryker Institute for Leadership Development and the Reisher Family Scholarship program.

The Center for Honors, Scholars and Leadership can be reached at 970-351-2940.

### **Division of Diversity, Equity, & Inclusion**

The Division of Diversity, Equity and Inclusion (1862 10th Ave) works to build an inclusive campus, which fosters and nurtures a diverse, inclusive, and equitable environment. We will accomplish this by purposeful conversations, ongoing education and training, and social engagement. In conducting these activities, we work with UNC students, faculty, staff, alumni and the greater campus community. Our program prepares students to develop the following learning outcomes: inclusive practices, coalition building, and leadership. Aligned with the institutional mission, we ensure that diverse student population voices are heard and represented, we provide an environment that is inclusive to have meaningful conversations as well as learning experiences and educate the campus on what it means to live and work with others different from themselves. We approach our work with equity-minded practices, care, inclusiveness, accessibility, service orientation, and justice.

The Division coordinates the functions of the seven Cultural and Resource Centers and the Colorado Opportunity Scholarship Initiative (COSI), all of which assist in providing quality support services to promote the retention and academic success of all students (undergraduate, transfer, non-degree, and graduate). All individuals interested in learning and growing in the spirit of inclusion and equity-minded practices are invited to use the services provided by the Cultural and Resource Centers.

### **Asian/Pacific American Student Services (APASS)**

(Kohl House) Seeks to foster the academic, social, and cultural identity development of the Asian and Pacific Islander community and to enrich and integrate culture into the University of Northern Colorado. These services include academic coaching and leadership development for UNC's Asian and Pacific Islander students, as well as cultural and educational programs for the broader UNC community. For more information, see [www.unco.edu/asian-pacific-american-student-services/](http://www.unco.edu/asian-pacific-american-student-services/).

### **Center for Women's and Gender Equity (CWGE)**

(Scott-Willcoxon Hall) The Center for Women's and Gender Equity (CWGE) honors gender as a central identity and engages critical women's and gender issues while

challenging systems of inequity and advocating for change at the University of Northern Colorado.

The CWGE accomplishes this by:

- Educating the campus community on topics and issues related to the experiences of women, trans, and non-binary students
- Providing an inclusive and validating space
- Engaging in conversations about the impacts of sexism, cissexism, and misogyny
- Empowering student voices to advocate for and create gender equity at UNC

In collaboration with other campus partners that include the university cultural and resource centers, academic departments, and other units within the Division of Diversity, Equity & Inclusion (DDEI), the CWGE builds community by supporting students in deepening their understanding of social justice and gender equity to be effective advocates for changes on their campus and in their communities.

Additionally, the CWGE provides free pregnancy tests, menstrual products, contraceptive barriers, and lactation support for students.

Engage with the CWGE by:

- Calling 970-351-1492
- Emailing [cwge@unco.edu](mailto:cwge@unco.edu)
- Visiting [www.unco.edu/center-womens-and-gender-equity/](http://www.unco.edu/center-womens-and-gender-equity/)
- Following us on social media: Facebook, Instagram, and Twitter

The Stryker Institute for Leadership Development is a participation-based scholarship program that serves women from under represented groups and supports scholars in their identity and leadership development.

This is accomplished by:

- Providing access to educational opportunities focused on identity development, social justice, leadership, and mentorship
- Cultivating a sense of belonging through connectedness and community
- Empowering women through encouragement and facilitation of personal growth
- Establishing a network of support through collaboration with campus and community partners
- The program prepares students to develop a leadership identity that enables them to create positive social change and advocate with purpose.

Additionally, the Stryker Institute provides Stryker Scholarship Information Sessions during their recruitment season, November through May. These sessions serve as

an opportunity for students and staff to ask questions about eligibility requirements, and the program workshop experience.

Engage with the Stryker Institute by:

- Calling 970-351-1492
- Emailing [stryker@unco.edu](mailto:stryker@unco.edu)
- Visiting [www.unco.edu/stryker](http://www.unco.edu/stryker)
- Following us on social media: Facebook

### César Chávez Cultural Center (CCCC) and Undocumented Student Services

The Chávez Center (Patton House, 1410 20<sup>th</sup> Street) offers a culturally validated "home like" space for all students with a focus in serving the diaspora of Latin American background students on campus. The center staff provide a space where students' ethnicity, language, and traditions are honored and respected. The staff also offers intentional culturally relevant programs that address academic success, social, cultural and intersectional aspects of identity, and opportunities for community engagement and career readiness. For more information, visit [www.unco.edu/cccc](http://www.unco.edu/cccc).

Undocumented Student Services and the DREAMer Engagement Program are now housed within the César Chávez Cultural Center. We provide academic and economic support to students with an undocumented/DREAMer/TPS status by helping students file for in-state tuition under the ASSET legislation, hosting educational and financial workshops, community building opportunities, and scholarships on a case-by-case basis. For more information, visit [www.unco.edu/equity-inclusion/dreamers.aspx](http://www.unco.edu/equity-inclusion/dreamers.aspx)

### Colorado Opportunity Scholarship Initiative (COSI)

The Colorado Opportunity Scholarship Initiative (COSI) is a state funded grant program focused to ensure that every Colorado student has access and affordability to postsecondary opportunities and can complete a degree or certificate in their desired career and enter into Colorado's workforce. The UNC COSI Scholars program is designed to empower UNC students with the tools necessary to succeed in postsecondary education and beyond. We provide proactive, comprehensive student support services, mentoring and life skills workshops. We help students create community, build a connection on campus, navigate the postsecondary education landscape and overcome academic, social and institutional challenges.

### Gender and Sexuality Resource Center (GSRC)

(Bonnie House) Provides education, advocacy and support for all identities across the gender, sexuality, and romantic spectrums. Our center offers study spaces with computer access, a library of Queer book and DVD titles available

for rent, in-house counseling services, an all-gender lactation room and restrooms, and two lounge areas. Beyond the ways in which the community can utilize our center and online resources, the GSRC also has many programs throughout the year dedicated to our mission of educating, advocating, and supporting the UNC community. Some of these programs include our identity or interest-based Affinity Groups, the GSRC mentoring program, UNC's Coming Out Week, Speak OUT panels, and educational trainings. For more information, see [www.unco.edu/gender-sexuality-resource-center/](http://www.unco.edu/gender-sexuality-resource-center/).

### Marcus Garvey Cultural Center (MGCC)

(Davis House) The Marcus Garvey Cultural Center provides academic, cultural, and social support to Black, African and African-American diasporic students, as well as those who intersect the African diaspora by providing one-on-one support, as well as a range of resources offered through programs, cultural events, and strategic initiatives throughout the year. The Center's team members aim to enhance students' sense of belonging and retention. For more information, see [www.unco.edu/marcus-garvey-cultural-center/](http://www.unco.edu/marcus-garvey-cultural-center/) or call (970) 351-2351.

### Native American Student Services (NASS)

(Kohl House) Aims to promote academic and leadership excellence of Native American students at the University of Northern Colorado. NASS seeks to enrich the UNC community through academic, social, and cultural programs that reflect the tradition, heritage, and history of Native America. To achieve these goals, we uphold the responsibility of leadership to infuse and incorporate Native ways of knowing and living within academia, through educational initiatives designed for all UNC students, faculty, and staff. For more information, see [www.unco.edu/native-american-student-services/](http://www.unco.edu/native-american-student-services/).

### Veterans Services

(Roudebush Cottage) proudly serves our military affiliated community by assisting in the transition process and providing a stand-alone space with a strong inclusive community. We provide appropriate and practical resources for our students as well as a hub for the Department of Veterans Affairs personnel, SALUTE National Honor Society, the PAVE peer support program, Student Veterans of America chapter, scholarship opportunities, and assistance with GI Bill® education benefits. For more information, see [www.unco.edu/veterans-services/](http://www.unco.edu/veterans-services/).

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill).*

## Division of Student Affairs and Enrollment Services

### Mission Statement:

The Division of Student Affairs and Enrollment Services cultivates an environment that develops students' skills leading to the completion of academic goals, personal growth, and preparation for responsible citizenship.

### Vision:

The Division of Student Affairs and Enrollment Services will provide a transformative student experience that positively impacts student access, academic success, persistence, and graduation.

### Values:

The Division of Student Affairs and Enrollment Services is committed to creating a Community of Bears where students are empowered to develop as leaders, embrace social equity, and become life-long contributors in an increasingly diverse society. This is accomplished through the division's core values:

- **Student Success:** *Creating transformative learning environments for students and those who serve them*
- **Excellence, Collegiality, and Professionalism:** *Modeling professionalism through collaborative, ethical leadership, integrity, credibility, respect, consistency, customer service, and effectiveness*
- **Commitment to Diversity, Inclusion, and Global Understanding:** *Standing for a sense of community where all individuals are valued*
- **Assessment and Accountability:** *Continually evaluating and improving practices, to hold professionals accountable through the collection and use of assessment evidence*

Division contact information: 970-351-2790 or saes@unco.edu

Division website address: [www.unco.edu/student-affairs-enrollment-services/](http://www.unco.edu/student-affairs-enrollment-services/)

## Department of Enrollment Services

### Mission Statement:

Enrollment Services is committed to supporting all students academically, socially, and financially, from recruitment through graduation. Our team will be responsive and personable to our students and campus community, educating and guiding each individual towards their academic and personal success.

We contribute to the mission of the University of Northern Colorado by being a student-centered department, focused on honesty, trust, fairness, respect, and responsibility.

### Vision:

We will be a department that is dedicated to providing equitable access to education, where all students are able to achieve their goals, transforming their lives and communities we serve.

### Values:

- **Diversity, Equity, & Inclusion:** *Establishing best practices and ongoing training that address inequalities, create supportive environments, and embraces diversity in all forms.*
- **Service:** *Providing the highest level of customer service to students and the campus community centered on personable and timely communication, a knowledgeable staff, and collaboration across all campus partners.*
- **Leadership:** *We will be leaders in Enrollment Services in advancing new and innovative practices, policies, and technologies.*
- **Integrity:** *Engaging with students, the campus partners, and the communities we serve with transparent, honest, and thoughtful communication, policies, and actions.*

Department of Enrollment Services contact information: 970-351-4862

or [bursar@unco.edu](mailto:bursar@unco.edu), [ofa@unco.edu](mailto:ofa@unco.edu), [registrar@unco.edu](mailto:registrar@unco.edu)

Department of Enrollment Services

website: [www.unco.edu/campus-commons/bear-central/](http://www.unco.edu/campus-commons/bear-central/),

Admissions website: [www.unco.edu/admissions/](http://www.unco.edu/admissions/)

**Bear Central**

### Our Mission

Bear Central supports all UNC students in achieving their educational goals and enhances the student experience by delivering centralized, efficient and accurate integrated business services in a welcoming environment.

Bear Central strives to maximize the student experience in the following areas: financial aid (Office of Financial Aid), student accounts (Bursar) and registration & records (Registrar); connecting students with the appropriate tools and information for success.

Office of the Bursar

**Website Address:** [www.unco.edu/bursar/](http://www.unco.edu/bursar/)

The Office of the Bursar (Accounts Receivable, Loans Receivable, Collections and the Cashier's Office) prepares student billings; disburses financial aid; collects tuition, fees, room and board and other related charges; maintains and collects Federal Perkins Loans and handles the cashier functions for the entire University.

Office of the Registrar

The Office of the Registrar (1051 22nd Street, Campus Commons) provides assistance with class registration via Ursa (web) or in person. The Office of the Registrar



processes the following: total withdrawals from all classes, personal information updates, final grade submissions and grade changes, and requests for transcripts. The Office of the Registrar is also responsible for enrollment verification and graduation audits for undergraduate students, for more information visit [www.unco.edu/registrar](http://www.unco.edu/registrar).

## Department of Student Affairs

### Mission Statement:

The Department of Student Affairs believes every student has a right to full and equal participation in the university community. We identify and collaboratively eliminate institutional barriers to success and cultivate a student-centered co-curricular experience. We intentionally educate our students on well-being, equity, career readiness, and interpersonal engagement. We seek to understand who our students are and who they want to become. We shape supportive environments for students to grow and belong as they navigate higher education and beyond.

### Vision:

We will be a division that is unwavering in our creation of meaningful opportunities for student learning and development. We will be responsive to emerging student needs, while continuing to invest in staff so they can create a safe, engaged, holistically well, and innovative campus community.

### Values:

- **Community:** *Developing relationships, creating a sense of belonging, and contributing to an environment where Bears are welcomed and valued*
- **Social Justice:** *Engaging across difference, challenging practices that uphold structural inequalities, and creating environments that support all Bears in achieving their goals*
- **Student-Centered:** *Making intentional decisions to meet the needs of students to be successful*
- **Accountability:** *Taking ownership, holding ourselves and each other responsible for our communication and actions, following through on our commitments, and reflecting on our impacts*
- **Integrity:** *Engaging in honest and transparent communication and actions*
- **Intentionality:** *Being proactive and deliberate, aligning our practices with expectations and resources and regularly assessing our work*

Department of Student Affairs contact information: 970-351-3609 or [DSA@unco.edu](mailto:DSA@unco.edu)

Department of Student Affairs  
website: [www.unco.edu/student-affairs/](http://www.unco.edu/student-affairs/)

## Campus Recreation

### Mission Statement:

Campus Recreation is a student fee funded department that provides an inclusive environment for students to develop healthy behaviors and personal skills. We provide various active experiential learning opportunities within the department programs of Competitive Sports, Fitness & Wellness, Aquatics, Outdoor Pursuits, and Informal Recreation. Through Campus Recreation programs and employment, students will experience personal growth through critical thought and ethical principles; teamwork and civil engagement; diverse cultural perspectives; development of transferable skills; and the cultivation of healthy practices. Our values of inclusivity, collaboration, equity, diversity, well-being, and personal growth are at the core of our programming and staff development. We proudly strive to build a community and culture that is centered on these values.

Contact Information: 970-351-2062  
or [campus.recreation@unco.edu](mailto:campus.recreation@unco.edu)

Website Address: [www.unco.edu/campus-recreation/](http://www.unco.edu/campus-recreation/)  
Center for Career Readiness

### Mission Statement

In alignment with Rowing Not Drifting, the Center for Career Readiness builds bridges between students and the world of work to ensure UNC students make informed and empowered decisions regarding continued education and career. We provide a student-driven approach to career education that challenges systematic inequities, invites exploration embedded in identity and values, and fosters collaboration with employers and the campus community.

Contact Information: 970-351-2127  
or [career.readiness@unco.edu](mailto:career.readiness@unco.edu)

Website Address: [www.unco.edu/career](http://www.unco.edu/career)

## Counseling Center

### Mission Statement:

It is the mission of the Counseling Center to provide a safe place for all students to overcome barriers to emotional, interpersonal, and academic success. The Counseling Center strives to promote healing, growth, and resiliency by decreasing stigma and through providing access to mental health services on campus and in the community. We accomplish this through direct services, training and education, collaboration with campus partners, and advocacy for all students, staff, faculty, and the community. All interactions between the Counseling Center staff and the UNC community are grounded in the values of culturally sensitive mental health support, authenticity, respect, empowerment, and services responsive to needs, trends, and political climate. We strive

to provide safe spaces for those with marginalized identities.

Contact Information: 970-351-2496 or  
UNCCounselingcenter@unco.edu

Website Address: [www.unco.edu/counseling-center/](http://www.unco.edu/counseling-center/)

#### Assault Survivors Advocacy Program (ASAP)

##### Mission Statement:

ASAP's mission is to facilitate the recovery of sexual violence, intimate partner violence, and stalking survivors by creating a safe environment in which the student survivor may complete their education. This is accomplished by the provision of crisis, academic, and advocacy services to the survivor and their significant other(s).

Contact Information: 970-351-1490 or  
advocacy@unco.edu

Website: Address: [www.unco.edu/assault-survivors-advocacy-program/](http://www.unco.edu/assault-survivors-advocacy-program/)

#### Dean of Student Development

This office seeks to enhance and recognize student learning and personal responsibility by:

- Serving as an information and referral center for students, families and the campus community;
- Providing case management support for students; and
- Holding students accountable for behavior that is inconsistent with the University community's expectations (as outlined in the BEAR Code).

To contact this office, call 970-351-2001, email [dos@unco.edu](mailto:dos@unco.edu) or visit [www.unco.edu/dean-of-students/](http://www.unco.edu/dean-of-students/).  
Bear Pantry at UNC

UNC's Bear Pantry is a collaborative initiative on campus to assist students in our community who are faced with food insecurity. Bear Pantry supplements the food supply for any UNC students experiencing hunger and struggling to buy food. Bear Pantry hopes to minimize food insecurity while students work toward completing their education.

#### Bear Pantry Information:

University Center  
970-351-3667  
[bear.pantry@unco.edu](mailto:bear.pantry@unco.edu)  
[www.unco.edu/bear-pantry/](http://www.unco.edu/bear-pantry/)  
Student Bill of Rights

The General Assembly implemented the Student Bill of Rights (C.R.S. 23-1-125) to assure that students enrolled in public institutions of higher education have the following rights:

1. A quality general education experience that develops competencies in reading, writing, mathematics,

technology and critical thinking through an integrated arts and science experience;

2. Students should be able to complete their associate of arts and associate of science degree programs in no more than sixty credit hours or their baccalaureate programs in no more than one hundred twenty credit hours unless there are additional degree requirements recognized by the commission;
3. A student can sign a two-year or four-year graduation agreement that formalizes a plan for that student to obtain a degree in two or four years, unless there are additional degree requirements recognized by the commission;
4. Students have a right to clear and concise information concerning which courses must be completed successfully to complete their degrees;
5. Students have a right to know which courses are transferable among the state public two-year and four-year institutions of higher education;
6. Students, upon successful completion of core general education courses should have those courses satisfy the core course requirements of all Colorado public institutions of higher education;
7. Students have a right to know if courses from one or more public higher education institutions satisfy the students' graduation requirements;
8. A student's credit for the completion of the core requirements and core courses shall not expire for ten years from the date of initial enrollment and shall be transferable.

#### Student Conduct Code (BEAR Code)

Please see the Student Code of Conduct (Bear Code) located on the Dean of Students website: [www.unco.edu/dean-of-students/](http://www.unco.edu/dean-of-students/).

#### Disability Resource Center (DRC)

##### Mission Statement:

The Disability Resource Center (DRC) collaborates with the University in its commitment to recognize disability as a valued aspect of diversity and to embrace access to the University of Northern Colorado community as a matter of equity and inclusion. The office provides the University with resources, education, and direct services to students to design a more welcoming and inclusive environment.

If a graduate or undergraduate student has a temporary health condition or a permanent disability that requires accommodations, they should contact the Disability Resource Center as soon as possible. The DRC facilitates the interactive process that establishes reasonable accommodations for students at UNC.

Contact Information: 970-351-2289 or [DRC@unco.edu](mailto:DRC@unco.edu)

Website Address: [www.unco.edu/disability-resource-center/](http://www.unco.edu/disability-resource-center/)

## Housing and Residential Education, Dining Services

### Mission Statements:

#### Housing and Residential Education:

In alignment with Rowing Not Drifting this office's central mission is to equip students with the tools to engage in the transformative power of personal relationships and communities. We work with students, families, and our campus community to create a sense of home through intentional programming, one on one interactions, and serving as a connection point for students to campus resources. Through a social justice lens and experiential learning, we empower students to grow, learn, lead, and achieve.

Contact Information: 970-351-2721 or [housing@unco.edu](mailto:housing@unco.edu)

Website Address: [www.unco.edu/living-on-campus/housing/](http://www.unco.edu/living-on-campus/housing/)

#### Dining Services:

Dining Services provides exceptional food and services to the UNC campus community and guests while promoting nutritional awareness, being a steward of resources and fostering culinary diversity in a welcoming and inclusive environment. As the leading employer of students, we complement academic learning by providing purposeful work experience, communication skills and leadership opportunities.

### Vision:

Encourage students to lead healthy, socially engaged lives through culinary diversity and inclusive dining experiences. Credo: "We Feed the Bears!"

### Values/Operating Principles:

- **Caring:** *We commit to providing a welcoming campus community environment where individuals can find a sense of belonging and where we foster respect, empathy, and support to strengthen our campus community connection.*
- **Inclusive:** *We embrace diversity in all forms of being. We value individuals and their uniqueness in our community. We recognize each individual's contribution is important to achieving our institutional goals.*
- **Civil:** *We uphold social justice and are committed to promote fairness in treatment and access while raising awareness about equity-minded practices in our community.*
- **Accessible:** *We acknowledge differences in our society and foster a learning environment through education and strategic actions. Enhance quality of campus life for all.*

- **Service-oriented:** *We seek to advance equity-minded practices and communications and be responsive in supporting our community.*

Contact Information: 970-351-2652  
or [diningservices@unco.edu](mailto:diningservices@unco.edu)

Website Address: [www.unco.edu/living-on-campus/dining/](http://www.unco.edu/living-on-campus/dining/)

## Office of Health Promotion

### Mission Statement:

The Office of Health Promotion provides wellness education about responsible substance use, mental health resources, and comprehensive sexual health education. We hope that through health promotion and awareness, we can equip UNC students with the necessary tools to make safer decisions in an effort to create a healthy campus experience for all.

Contact Information: 970-351-2065 or  
[healthpromotion@unco.edu](mailto:healthpromotion@unco.edu)

Website Address: [www.unco.edu/health-promotion/](http://www.unco.edu/health-promotion/)

## Student Legal Services

Student Legal Services provides UNC students three free legal consultations each academic year. For more information or to schedule an appointment, visit [www.unco.edu/student-life/legal-services.aspx](http://www.unco.edu/student-life/legal-services.aspx)

## Office of Student Life

### Mission Statements:

#### **Office of Student Life:**

The Office of Student Life provides programs and services that foster a sense of belonging, an inclusive campus, and opportunities for learning and growth.

Contact Information: 970-351-3609

Website Address: [www.unco.edu/student-life](http://www.unco.edu/student-life)

#### **Office of Fraternity and Sorority Life:**

The Office of Fraternity and Sorority Life exists to foster growth and development among students while forming lifelong bonds through academic, personal, social and service-based programming.

Contact Information: 970-351-2873 or [fsl@unco.edu](mailto:fsl@unco.edu)  
Website Address: [www.unco.edu/fraternity-sorority/](http://www.unco.edu/fraternity-sorority/)

#### **Office of Student Organizations:**

The Office of Student Organizations offers involvement, community, and leadership to all UNC students through Registered Student Organizations by providing advising, event funding, and leadership opportunities to current and prospective RSO members.

Contact Information: 970-351-2906 or  
 studentorgs@unco.edu  
 Website Address: [www.unco.edu/clubs-organizations/](http://www.unco.edu/clubs-organizations/)

### **University Program Council:**

The University Program Council serves to engage, connect, and entertain the campus community through activities and events by students for students.

Contact Information: 970-351-1365 or [upc@unco.edu](mailto:upc@unco.edu)  
 Website Address: [www.unco.edu/university-program-council/](http://www.unco.edu/university-program-council/)

### **Student Government Association:**

The Student Government Association exists to represent and serve the student body in order to enhance the university experience through the empowerment of all students. Contact Information: 970-351-1344 or [unc.sga@unco.edu](mailto:unc.sga@unco.edu)  
 Website Address: [www.unco.edu/student-government-association](http://www.unco.edu/student-government-association)

### **Extended Campus**

**Website:** [extended.unco.edu](http://extended.unco.edu)

The Extended Campus's mission is to extend the University of Northern Colorado academic offerings to students through new and innovative technology that provides engaging content, worthy of binge watching, in each course.

Our UNC Extended Campus Education programs serve students throughout the entire state (and the world), with new States, coming online soon. The University of Northern Colorado Extended Campus maintains two off-campus centers in Loveland and Denver to facilitate diverse learning experiences for students' educational programs and certifications in various other cities.

Through UNC Extended Campus, students can access lifelong learning through continuing education opportunities with more than 80 academic programs. We offer degree completion programs, master and doctorate degrees, certificates, licensures, endorsements, and professional development courses through convenient online and face-to-face delivery formats. Our accelerated programming and flexible scheduling are for adult learners, working professionals, and non-traditional students who otherwise wouldn't be able to attend an on-campus offering.

### **UNC Quality Brought to You**

Whether you're looking for advanced learning in your chosen career, or you're stepping into a whole new field, Extended Campus brings UNC's quality and caring culture to you. Anywhere, anytime, UNC offers a unique educational experience.

All UNC Extended Campus courses and degrees are based on the same commitment to quality and expertise that we provide on campus. The credits and degrees you earn are the same—and carry the same academic recognition—as those for on-campus students.

### **Office of Global Engagement**

The Office of Global Engagement (OGE) provides the umbrella framework for all international activities at the University of Northern Colorado, building connections between UNC's greater community and the world. Leading the UNC's international initiatives by facilitating global partnerships, recruiting and supporting its international population, and coordinating programming that prepares students for success in today's global environment.

In addition, OGE collaborates with and supports faculty and staff in developing globally-minded programs, research and partnerships that elevate our international profile and expand the engagement of our Global Bear community by:

- Promoting a diverse and global student body by recruiting and retaining international students.
- Advocating for acceptance and inclusion of all identities and cultures via meaningful cross-cultural engagement opportunities and promoting global competencies.
- Increasing international mobility among students, faculty, and staff by facilitating and administering education abroad opportunities and programs.
- Providing academic and linguistic support for English language learners.
- Fostering sustainable and mutually beneficial partnerships worldwide.
- Promoting safe and responsible international travel for students, faculty, and staff via international risk management policies and support framework.
- Facilitating regulatory compliance related to the international activities of the institution.

For more information, see [www.unco.edu/global](http://www.unco.edu/global)

### **Education Abroad**

#### **UNC Bears Abroad!**

We strive to offer every student, in every discipline, the opportunity to participate in a high-quality study abroad program. Our portfolio extends to every continent, and includes semester and year-long programming, as well as summer and winter term options.

We work with you to find the program that is right for you academically, financially, and experientially. Options range from 2 weeks to a year abroad, exchanges, approved

study abroad organizations, UNC faculty-led programming, and study plus internship combinations.

For more information or to get started on your journey, please visit <https://abroad.unco.edu/>

### International Student and Scholar Services

International Student & Scholar Services (ISSS) supports students, scholars, and dependents in F or J visa categories in maintaining their legal status while in the United States, and serves as a resource to students, faculty, and staff in meeting the needs of the global Bear community.

Students and scholars with F or J visa status are responsible for following the regulations of the U.S. Departments of Homeland Security (DHS) and State (DOS) pertaining to their visa status.

ISSS is the only office on campus with the regulatory authority to issue and sign F or J visa related documents, authorize off-campus employment authorization and practical training, authorize reduced course loads for international students or to advise on F- and J- visa related matters.

### International Partnerships

UNC's international partnerships support internationalization and global engagement efforts, promote international collaboration in teaching, learning, and research, increase inbound and outbound student mobility, and elevate institutional profile. Our international partners send students to study in exchange, short-term, and degree-seeking programs at UNC, welcome UNC students in study abroad and exchange programs, and encourage eminent scholars to collaborate with UNC's distinguished faculty in research, scholarships, creative works, curriculum, and instructional methodology.

For more information, see [www.unco.edu/global/services-programs/international-partnerships/](http://www.unco.edu/global/services-programs/international-partnerships/)

### Intensive English Program

The Intensive English Program (IEP) is a nationally ranked program, fully accredited by the Commission on English Language Accreditation (CEA). IEP serves as a pathway for English language learners to enhance academic preparedness as well as linguistic and cultural competencies required for career readiness or full admission to UNC's academic programs. Applicants must have completed high school or the equivalent to be considered for IEP admission. Students may be admitted to the IEP only or via conditional acceptance to an academic program. Conditionally admitted students may begin taking some academic/degree coursework when they are placed or reach level 6 in the IEP. IEP students with F1 or J1 visas are required to register as full-time students. Students are full-time when enrolled in 18 classroom hours

per week based on federal guidelines 8 CFR 214.2(f)(6)(i). F2 visa holders are not allowed to be full time.

### Program Structure and Length

The Intensive English Program (IEP) consists of 7 levels: from Low-Basic to Graduate. IEP levels correspond to the Common European Framework of Reference for Languages (CEFR). There are four core courses in the program: Speaking & Listening, Writing, Grammar, and Reading & Vocabulary. In addition, there are several skill courses available, such as English Pronunciation and Academic Vocabulary. For more information about each course, please refer to the catalog course descriptions.

IEP offers five 8-week sessions throughout the year in accordance with UNC's academic calendar: Fall 1 and Fall 2 sessions coincide with UNC's fall semester, Spring 1 and Spring 2 sessions coincide with spring semester, and the 8-week summer session coincides with the 8-week academic session. In accordance with rolling admission, applicants may choose to begin in any of the 5 sessions. The number of sessions/courses students need to complete the program successfully is based on their initial proficiency which is determined by the placement assessment.

For more information, see: [www.unco.edu/global/services-programs/intensive-english-program/](http://www.unco.edu/global/services-programs/intensive-english-program/)

### International Recruitment and Outreach

The Office of Global Engagement and our partners around the world share complimentary and united goals: educate the next generation of global leaders via strong and steady enrollment, provide top-quality programs and dedicated student services, ensure satisfied parents and families, promote strong returns on investment post-graduation, and build sustainable business partnerships to rely upon. We work closely with all units across UNC as well as high schools, community colleges, partner institutions and the greater community to promote academic excellence and ensure student success. We are proud to work with reputable partners in the service of our international students at the University of Northern Colorado.

For more information, see <https://www.unco.edu/global/> and [www.unco.edu/international-admissions](http://www.unco.edu/international-admissions).

### Information Management and Technology

Information Management & Technology provides a variety of services designed to assist students in the pursuit of their academic careers. Computer labs, open to all students, are strategically located throughout the campus. The University offers students high speed wireless internet connectivity campus wide. Students can print from personal devices or from computers in labs and classrooms and retrieve their print jobs from various Bear Print stations located in residence halls and computer labs across campus.

For complete information about any of the services provided by Information Management & Technology or help with technical problems visit [help.unco.edu](http://help.unco.edu) or call the Technical Support Center at 970-351-4357(HELP) or 1-800-545-2331.

### Intercollegiate Athletics

The Intercollegiate Athletics program at the University of Northern Colorado competes at the NCAA Division I level. UNC sponsors 17 sports: women's basketball, softball, volleyball, cross country, indoor and outdoor track and field, swimming and diving, golf, and soccer; men's basketball, cross country, wrestling, football, baseball, golf, indoor and outdoor track and field. The Athletic Department aspires to the highest level of achievement in the classroom and in competition.

### Intercollegiate Athletics Mission Statement

The University of Northern Colorado Department of Athletics embraces the University's mission and exemplifies BEAR PRIDE by acting with integrity and displaying accountability while passionately striving for excellence and inclusivity in the classroom, on the playing field and in the community.

#### CORE VALUES

Integrity  
Accountability  
Passion  
Excellence  
Inclusivity

#### VISION STATEMENT

Building Champions for life through a dynamic student-athlete experience.

### Institutional Partnerships

Community College

#### Aims2UNC

**Phone:** 970.339.6557

**Email:** [aims2unc@aims.edu](mailto:aims2unc@aims.edu)

**Website:** [www.unco.edu/aims2unc/](http://www.unco.edu/aims2unc/)

Aims2UNC is a collaborative effort between the University of Northern Colorado and Aims Community College to help students reach their educational goals. The program simplifies the transition between Aims and UNC, so students can focus on what matters most — earning their degree. Aims2UNC is designed to help students earn an associate degree at Aims Community College, then earn a bachelor's degree at the University of Northern Colorado.

Aims2UNC students work with a transition advisor to develop a transition plan and get updates, tips and specialized support. Aims2UNC students are also able to

take advantage of UNC services, events and clubs while taking courses at Aims. Aims2UNC students are eligible to live and dine on campus.

**Admission:** Students must be new or continuing Aims students and have declared an Associate of Arts or an Associate of Science degree at Aims. Students must be registered for at least one course at Aims before submitting the Aims2UNC Application, found on the Aims2UNC website.

### Student Academic Success

#### Center for Human Enrichment

**Website:** [www.unco.edu/center-human-enrichment/](http://www.unco.edu/center-human-enrichment/)

**Phone:** (970) 351.1905

The Student Support Services Program at the Center for Human Enrichment is a federally sponsored TRIO Program. The SSS/CHE program serves first-generation and low-income college students throughout their college experience. This program provides supplemental advising, tutoring services, and course instruction to program participants. For more information including program eligibility, please access the website at [www.unco.edu/center-human-enrichment/](http://www.unco.edu/center-human-enrichment/).

#### New Student Orientation

**Website:** [www.unco.edu/orientation](http://www.unco.edu/orientation)

**Phone:** (970) 351.4626

New Student Orientation (NSO) supports the successful transition of incoming students to the University of Northern Colorado through a collective effort of the campus community. During the mandatory program, students will learn about campus resources, find ways to get involved, begin to form friendships with other new students, and register for classes. NSO welcomes people who are part of the student's family and friend support network to attend Parent Orientation for a fee. They will become more confident in their student's ability to successfully transition. For more information, explore the New Student Orientation website, [www.unco.edu/orientation](http://www.unco.edu/orientation) or call (970) 351-4626.

#### Soar

**Location:** Michener Hall L-149

**Telephone:** 970.351.1391

**Website:** [www.unco.edu/soar](http://www.unco.edu/soar)

Soar provides the following services to undergraduate students:

- advising for Exploring the Liberal Arts;
- assistance in selecting an academic major;
- support for students experiencing academic difficulties; and

A clear path for degree completion is of the utmost importance! All students are required to declare a major by the time they have completed thirty (30) credit hours toward graduation, including transfer credit. (See 30-Credit Policy for Exploring the Liberal Arts Students) (p. 44)

The School of Nursing advises Exploring the Liberal Arts Nursing students. These students are required to declare a major by the time they have completed thirty (30) credit hours toward graduation, including transfer credit. (See 30-Credit Policy for Exploring the Liberal Arts Students) (p. 44)

### Tutorial Services

**Website:** [www.unco.edu/tutoring](http://www.unco.edu/tutoring)

**Phone:** (970) 351.1391

The Division of Student Success coordinates the Tutoring Center and Supplemental Instruction programs providing tutoring at the University level. These academic assistance services are designed, free of charge, to facilitate academic success at the University level for currently enrolled university students. Nationally certified tutors provide free individual and group tutoring sessions in approximately 130 different courses encompassed by the major subject areas. The Tutoring Center website lists current course offerings each semester.

### Student Health Center

Provides primary health care services by physicians and nurse practitioners to UNC Students. No appointments are needed for most care. The Health Center is located on the first floor in Cassidy Hall. The Health Center is able to do insurance billing for most insurance plans. For more information see [www.unco.edu/student-health-center](http://www.unco.edu/student-health-center).

### The University Center

[www.unco.edu/university-center](http://www.unco.edu/university-center)

Located at the corner of 10th Avenue and 20th Street, the University Center (UC) serves as the "living room of the campus" and provides cultural, educational, social, leisure, and co-curricular activities for the University community and guests.

The UC houses Conference & Event Services, Card Office & Student Club Business Services, Center for Career Readiness, Title IX, Campus Community & Climate, and is the home for Student Life.

A variety of vendors serve the campus community on the UC lower level including several food retailers (Einstein Bros® Bagels, Subway®, Hissho Sushi, and Munchy Mart™), the UNC Bookstore & Fanshop, Mana Jo's Campus Salon, as well as vending areas.

The Information Desk at the UC, located on the main level next to the Rocky Mountain Grand Ballroom, provides

campus and community information, building and campus directional assistance, sells stamps, and provides complimentary faxing services.

The UC Computer Commons is a full-service computer lab offering student access throughout the week and provides students with a multitude of workspaces and computer options.

Lounges, meeting rooms, ballrooms, and other facilities are also available. The University Center hosts an exceptional range of over 5,000 events and programs annually.

### The UNC Card

This is the official identification card for all members (faculty, staff, and students) of the university community. For on-campus students, the UNC card functions as a library card, dining card, activities card, recreation center pass, and as security access to various buildings and rooms. Students may also use the UNC Card as an ATM/debit card when linking it to their free Wells Fargo Checking account. The account then permits direct deposit of financial aid and student payroll to the free account. For alternative bank options, stop by the Card Office.

### The UNC Card Office

The office is located on the main level of the University Center adjacent to the Student Affairs Welcome Desk.

### University Libraries

[www.unco.edu/library/](http://www.unco.edu/library/)

The University Libraries consists of the James A. Michener Library and the Howard M. Skinner Music Library, which house tangible collections, provide technology access to a wide range of online resources, and offer study rooms, desktop and laptop computers, and other technology, such as graphing calculators and digital cameras, for student use.

The James A. Michener Library, named for one of America's most popular authors (a UNC alumnus and former faculty member), maintains a primary collection of approximately 1.3 million units of hardbound volumes, periodicals, monographs, government documents, archival materials, maps, software programs, videos, and microforms. Opportunities to borrow materials are available to all Colorado citizens. Services provided include information literacy instruction in state-of-the-art classrooms, interlibrary loan, circulation, electronic reserves, and research assistance.

The Howard M. Skinner Music Library, named for Howard M. Skinner, former Dean of the College of Performing and Visual Arts, includes an information literacy instruction classroom, a group study room, and additional study space. The tangible collection includes comprehensive holdings of scores, recordings, periodicals, and monographs.

Access to the University Libraries tangible materials and online resources is provided from the Libraries home page. The Libraries offers access to about 80,000 electronic journals, over 500,000 ebooks, and over 210 databases.

Prospector, a shared online catalog that provides access to the collections of more than 40 participating libraries in Colorado and Wyoming, is also available from the Libraries home page. Materials from the collections of the participating libraries can be requested directly through Prospector. The Libraries interlibrary loan service obtains library material for UNC students, faculty, and staff from libraries within the state and nation as well as foreign countries.

The University Libraries has been designated as the repository for the works of James A. Michener. The James A. Michener Special Collection includes manuscripts, personal papers, research materials, and publications that are available to researchers, faculty, and students who want to further explore the works of the famous author. The University Archives also provides access to materials related to the history of the university and other special collections.

### University Police Department (UNCPD)

The UNCPD provides law enforcement services to the campus. It is staffed 24 hours a day year-round with professional, full-time, state-certified police officers. This office is responsible for preventive police patrols, criminal investigations, response to medical calls, crime prevention efforts, and traffic enforcement. The UNC Police Department also provides a student escort program after dark, and is responsible for Clery Compliance efforts on campus. For more information you may visit our website at [www.unco.edu/police](http://www.unco.edu/police).

In compliance with the Clery Act, the most recent University of Northern Colorado Annual Campus Security and Fire Safety Report is available online at [www.unco.edu/police](http://www.unco.edu/police) and a paper copy can be requested by calling 970-351-2245. This report contains crime statistics and policy statements related to safety, conduct processes, and Title IX investigations.

### Transfer Evaluation

Upon a student's admission to the University official transcripts for undergraduate students are routed to the Office of the Registrar for evaluation. Transfer courses may be awarded direct equivalency to UNC courses at the discretion of the related academic unit at UNC. Once a course equivalency is established, it is applied consistently to any student who transfers the respective course from that point forward. A student's record will be updated with direct equivalencies up to the point of matriculation at UNC (the first day of the first term for which a degree-

seeking student registers). After the point of matriculation, no direct equivalencies will be retroactively assigned.

However, attributes for the Liberal Arts Curriculum, major, and/or minor programs may still be added to a matriculated student's record. The major/minor department also has the option to use a course adjustment form to allow any non-equivalent courses to be assigned to the major/minor.

### Contact Information

Questions regarding transfer evaluation may be directed to [transfereval@unco.edu](mailto:transfereval@unco.edu).

- Transcripts for already admitted undergraduate students should be sent to:

UNC Office of the Registrar  
Campus Box 50  
Greeley, CO 80639

[transfereval@unco.edu](mailto:transfereval@unco.edu)

- Transcripts for new undergraduate applicants not yet admitted should be sent to:

UNC Office of Admissions  
Campus Box 10  
Greeley, CO 80639

[admissions@unco.edu](mailto:admissions@unco.edu)

### Student Complaints

If a disagreement regarding the transferability of credits for coursework or a degree occurs between and student and the institution, the Colorado Department of Higher Education will facilitate an expeditious review and resolution of the matter. Complaints can be filed at [higher.ed.colorado.gov/filing-student-complaint](http://higher.ed.colorado.gov/filing-student-complaint). The Colorado Commission on Higher Education shall have final authority in resolving transfer disputes.

### Transfer Policies

UNC only accepts credit from institutions of higher education holding full regional accreditation from one of six agencies. List of approved agencies.

- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- The Higher Learning Commission (HLC)
- Northwest Commission on Colleges and Universities
- Southern Association of Colleges and Schools
- Western Association of Schools and Colleges

UNC awards a maximum of 90 transfer semester hours from all sources towards the completion of degree requirements.

Remedial courses and vocational/technical courses are not eligible for transfer.



Individuals with an Associate of Arts, Associate of Science, or a Bachelor's degree (regardless of date of completion) from an accredited institution will have their Liberal Arts Curriculum (LAC) requirements waived. Associate of Applied Science (AAS) and Associate of General Studies (AGS) degrees are not transferable to UNC and do not waive the Liberal Arts Curriculum requirement.

Only courses with a letter grade of "C-" or higher are eligible for transfer.

Any GT Pathways credit awarded by a Colorado HE institution based on a portfolio review shall be accepted in transfer and applied to GT Pathways requirements at the University of Northern Colorado, regardless of the sending institution's portfolio review method.

At UNC, students should consult with the respective academic unit for specific guidance on the Portfolio review process and GT alignment.

Regardless of the time a course was taken before the UNC Baccalaureate degree is to be granted, it may be applicable toward the UNC degree to satisfy Liberal Arts Curriculum Requirements and count toward the minimum 120 hours that are required for a UNC degree.

Transcripts from other academic institutions are the property of the University of Northern Colorado and, as such, are under the control of the Office of the Registrar. Transcripts submitted to the University of Northern Colorado for admission or credit transfer become the property of the University of Northern Colorado and will not be returned to students, forwarded to third-party recipients, or other educational institutions.

### Transfer Credit

A maximum of 90 transferred semester credits may be used toward completion of a UNC degree; a minimum of 120 hours is required for graduation. Courses with a letter grade of "C-" or higher are eligible for transfer. Remedial courses and vocational/technical courses are not eligible for transfer. Associate of Applied Science (AAS) and Associate of General Studies (AGS) degrees are not transferable to UNC and do not waive the Liberal Arts Curriculum (LAC) requirement. Individual courses taken as part of an AAS or AGS degree will be evaluated for possible credit on a course-by-course basis after the student is admitted.

For more information on the waiver of the Liberal Arts Curriculum based off of a previous degree please refer to refer to the Liberal Arts Curriculum (p. 70).

There is no university-wide age limitation on transfer courses. Course credit earned 10 years before the baccalaureate degree is to be granted may be applicable toward major or minor requirements at the discretion of the academic department.

Grade point averages from other institutions are used for admission and scholarship purposes only and do not impact a student's UNC grade point average.

Students may not count courses taken at a Graduate level toward Undergraduate degree programs; courses numbered 600-799 will not be transferred. Graduate level transfer coursework equivalent to a UNC 500-level may be applied to an undergraduate degree with consent of the academic program.

Transfer credits are subject to the course repeat policy (p. 32).

Coursework completed through International Student Exchange/Study Abroad or National Student Exchange will be recorded as transfer coursework upon receipt of an official transcript from the exchange institution. Such courses are not subject to the matriculation restrictions on transfer coursework listed above and count as in-residence for graduation residency requirements. International Student Exchange/Study Abroad and National Student Exchange students register for ISE 100 or NSE 100, respectively, which are courses under the authorization of the University of Northern Colorado.

### Transfer Evaluation Process

The Office of the Registrar determines which credits are transferable and evaluates coursework based upon previously established equivalencies as approved by academic departments.

Transcripts (official documents only) for undergraduate students are routed to the Office of the Registrar for evaluation upon admission to the University. Courses will be given direct equivalents towards a student's record only if the course work has been reviewed according to the guidelines of the respective academic unit. The student's record will be updated with a direct equivalent up until the point of matriculation to UNC (the first day of the first term for which a student registers). After the point of matriculation, no direct equivalents will be retroactively assigned.

However, LAC and/or major/minor course attributes may still be added to the student's record. The major/minor department will use a course adjustment form to allow any non-equivalent courses to be assigned to the major/minor.

Students can access their Transfer Equivalency Report at any time through Ursa.

Courses listed on your Transfer Equivalency Report with a 1X, 2X, 3X or 4X have been brought in as a University Wide Elective.

Courses listed on your Transfer Equivalency Report with a 1XX, 2XX, 3XX or 4XX have been approved as a Departmental Elective.

Any courses deemed not to have a direct equivalent to a UNC course, may be substituted for major, minor, licensure, or endorsement requirements at the discretion of the appropriate department.

### Accreditation Requirements

The University of Northern Colorado only accepts credit from institutions of higher education holding full regional accreditation from one of the following six agencies:

- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- The Higher Learning Commission (HLC)
- Northwest Commission on Colleges and Universities
- Southern Association of Colleges and Schools
- Western Association of Schools and Colleges

To find out if your previous college or university is regionally accredited by one of these agencies, visit [ope.ed.gov/dapip](http://ope.ed.gov/dapip).

Coursework taken at non-regionally accredited vocational/technical institution or college will not be accepted. If coursework was completed at a school that does not hold regional accreditation, a student may specifically request that their coursework be considered for transfer. Students who wish to appeal the transferability of course work must write a letter within the first semester after the work was not accepted. The letter must be addressed to the Office of the Registrar and include:

- The name(s) of the previous institution(s) attended, the course number and title of each course for which the student was denied transfer credit, and the date(s) of enrollment in each course
- A copy of the catalog description (from the appropriate year) for each course in question
- A copy of the syllabus or course outline (from the appropriate year) for each course in question. This information can be obtained from the sending institution
- A statement indicating why the credit(s) should be accepted

The Office of the Registrar will re-evaluate the course(s) for which the student is requesting reconsideration in consultation with the department chair/school director. A written response will be delivered to the student in a timely manner once the appropriate faculties have reviewed the course materials, past practices, and the student's specific circumstances.

To determine transferability of courses, the following will be considered:

1. The educational quality of the sending institution
2. The comparability of course content to the UNC course

3. Applicability of the credit in relation to the programs being offered at UNC

4. Additional documentation provided by the student regarding the transferable course(s)

### Colorado Reverse Transfer

Reverse Transfer (formerly "Degree Within Reach") is a process that began in 2014. It allows students who transferred from a Colorado two-year institution to a four-year institution to combine credits apply them toward an associate degree.

If you are a transfer student, this means you can earn the associate degree you started at your community college while still working toward your bachelor's degree. You could be eligible even if you recently left a four-year institution before earning a degree.

### Eligibility

If you are eligible for reverse transfer, you will be contacted directly by UNC with instructions on how to participate.

You may be eligible for reverse transfer if:

- You have completed 15 credit hours at a community college in Colorado;
- You have a minimum of 70 credit hours, including coursework at one of the participating four-year institutions (see list below);
- You transferred to that four-year institution since Summer 2012;
- Your completed credit hours meet the requirements for an Associate of Arts, Associate of Science, or Associate of General Studies, to be determined via a degree audit;
- You have not requested that your data be withheld at either institution;
- You have not already received an associate's or bachelor's degree.

Learn more by visiting the Colorado Reverse Transfer website.

### International Transcript Evaluation

Students who have completed coursework at recognized international universities may receive transfer credit at UNC. The courses completed must be consistent in level, duration, hours of lecture, discussion, and course content with courses offered at regionally accredited universities in the United States. Students must be aware that for a majority of international institutions there is a conversion factor related to credit values.

Transcripts received from international colleges or universities must meet the following criteria:

- The official transcript must be sent directly to UNC from the international school
- The transcript must be in English
- If the credits are not reported in U.S. or ECTS credits, a clear definition of the conversion to U.S. credits must be included
- A clear definition of the grading scale must be included

If any of the above criteria is not available, the student must submit an official transcript to a NACES approved third-party evaluation service. The evaluation must include a course-by-course evaluation showing a list of each course taken along with the equivalent U.S. grades and credit value. Obtaining this evaluation is the sole responsibility of the student.

### Prior Learning Experiences

#### ACE Credit

Students may qualify for University credit based on course equivalency recommendations from the American Council of Education. A maximum of 30 credit hours can be applied towards graduation. Please consult the Office of the Registrar for details at [www.unco.edu/registrar/transfer/](http://www.unco.edu/registrar/transfer/).

***ACE credit is counted as non-residency transfer work.***

#### Advanced Placement (AP) and International Baccalaureate (IB)

A student may qualify for University credit or may be exempt from a specific course by demonstrating superior performance on the subject matter. Examinations are administered through the AP program of the Educational Testing Service. These are usually taken when the student is still in high school. Generally, an AP test score of 3, 4, or 5 will result in college credit being awarded. An IB test score of 4 or 5 may result in college credit being awarded.

Any AP or IB credit awarded may be used toward the 120-credit minimum requirement for college graduation. When you take the AP or IB examination(s), request that your scores be sent to the UNC's Office of Admissions. UNC will then evaluate your test scores for credit and you can view Degree Works to see if it has been applied.

***AP and IB credit are counted as non-residency transfer work.***

Please consult the Office of the Registrar for specific AP and IB test score requirements at [www.unco.edu/registrar/transfer/credit-exam.aspx](http://www.unco.edu/registrar/transfer/credit-exam.aspx). Equivalencies are effective for students admitted the most recent fall term and later.

### Cambridge Assessment International Education

The Cambridge (AICE) examination is a United Kingdom qualification from the University of Cambridge International Examinations. The AICE program is an international, advanced secondary curriculum and assessment program equivalent to the British system of "A-levels" offered through the University of Cambridge International Examinations. Information about the program, including course syllabi, is available at Cambridge AICE, [www.cambridgeinternational.org/programmes-and-qualifications/cambridge-advanced/cambridge-international-as-and-a-levels/](http://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-advanced/cambridge-international-as-and-a-levels/).

Scores of "A" through "E" are passing results and will be considered for credit. "Ungraded" scores are not eligible for credit. Credit will not be granted for both an A-level and an AS-level exam in the same subject area. The student must submit an official copy of the examination result.

UNC equivalencies are reviewed by the academic department corresponding to the test subject matter. Additional tests will be evaluated upon receipt of official examination results.

***AICE credit is counted as non-residency transfer work.***

The Cambridge (AICE) equivalency charts are available at: [www.unco.edu/registrar/transfer/credit-exam.aspx](http://www.unco.edu/registrar/transfer/credit-exam.aspx).

### Challenge and Proficiency Exams

***Per §23-1-125(4), Colorado Revised Statute, "...each public institution of higher education shall grant full course credits to students for the core [GT Pathways] courses they successfully test out of, free of tuition for those courses." Each public institution shall define a process for students to test out of GT Pathways courses, "...including specifying use of a national test or the criteria for approving institutionally devised tests." If the student transfers, receiving institutions shall apply that credit to the appropriate GT Pathways category, even if the test out exam used was not one used by the receiving institution (CLEP, for example).***

For more information and CCHE provisions related to challenge exams, visit [higher.colorado.gov/Publications/Policies/Current/i-partx.pdf](http://higher.colorado.gov/Publications/Policies/Current/i-partx.pdf).

Students who judge their current academic ability in a specific course to be sufficiently high may take rigorous subject matter examinations to earn credit. Students interested in challenging a UNC course should contact the appropriate school or program to determine the availability of a challenge and/or proficiency examination. Challenge and/or proficiency exam credit is counted as UNC residency work.

Academic units must submit the Credit for Prior Learning Options form to the Office of the Registrar to assure the awarding of academic credit for a student.

***Challenge and/or proficiency exam credit is counted as UNC residency work.***

#### College-Level Examination Program (CLEP)

CLEP offers another opportunity to earn credit through demonstration of superior performance in subject matter examinations. CLEP credit is offered for certain courses. A maximum of 30 credit hours can be applied towards graduation. CLEP credit is counted as non-residency transfer work. To identify CLEP testing locations and register to take the CLEP exam visit [clep.collegeboard.org/register](http://clep.collegeboard.org/register).

The University of Northern Colorado awards credit for the College Level Examination Program (CLEP) General and Subject Examinations to students who scored at or above the required score. There is a three-month waiting period for students who wish to retest an examination they have already completed.

CLEP is treated as transfer work. Transfer coursework granted equivalency at UNC will be subject to course repeatability rules and hours will only be awarded for one passed completion. For additional information visit the Course Repeat policy (p. 32) in the University Catalog.

***CLEP credit is counted as non-residency transfer work.***

CLEP equivalency charts are available at [www.unco.edu/registrar/transfer/credit-exam.aspx](http://www.unco.edu/registrar/transfer/credit-exam.aspx).

#### Colorado Diploma Endorsement for Biliteracy and State/District Seals of Biliteracy

Students who have earned the Colorado Diploma Endorsement for Biliteracy or a State/District Seal of Biliteracy will be awarded credit if their language proficiency was determined through one of the following tests: AP, ASLPI, CLEP, or IB. Students may earn credits in ASL (American Sign Language), Chinese, French, German, Japanese, or Spanish as described in the ASLIS (American Sign Language and Interpreting Studies) Department policy on the ASLPI (American Sign Language Proficiency Interview). For questions regarding ASLPI, please contact the Department of ASLIS at 866-885-6087.

#### DSST (DANTES) and Defense Language Proficiency Test (DLPT)

##### **DSST (DANTES) Program**

The University of Northern Colorado awards credit for the DSST (DANTES) Examinations to students who scored at or above the required score. A maximum of 30 credit hours can be applied toward the graduation requirement.

DSST (DANTES) is treated as transfer work. Transfer coursework granted equivalency at UNC will be subject to course repeatability rules and hours will only be awarded for one passed completion.

***DSST (DANTES) credit is counted as non-residency transfer work.***

The DSST (DANTES) equivalency charts are available at: <http://www.unco.edu/registrar/transfer/credit-exam.aspx>.

##### **Defense Language Proficiency Test (DLPT)**

The University of Northern Colorado awards credit for successful completion of Defense Language Proficiency Test (DLPT) scores for Elementary and Intermediate Language courses as transcribed on the Defense Language Institute official transcript. Intermediate-level courses will receive credit in Arts and Humanities-World Language area (LAA4).

***DLPT credit is counted as non-residency transfer work.***

#### High School Concurrent Coursework

Students who have successfully completed college coursework from a regionally accredited institution while in high school must submit an official transcript from the college/university to receive transfer credit. College credit completed while in high school may count toward UNC degree requirements but cannot be used to classify a student as a transfer student for admission and/or transfer scholarship eligibility purposes.

#### MBA High School of Business

Students who complete all six (6) required courses in the MBA High School of Business™ and received a B or better in their coursework may request credit for completing the MBA High School of Business™ program. The courses required within the MBA High School of Business™ are: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, Principles of Management and Business Strategies. This awarded credit will, in effect, grant the student 3 credit hours of BA 150 Foundations of Business Thought (Liberal Arts Curriculum - Arts & Humanities and Multicultural Studies).

To request the credit, please submit a legible copy of your MBA High School of Business™ Certificate of Completion along with a high school transcript indicating the MBA High School of Business™ courses with grades of B or better to the Office of the Registrar. Students are not required to be business majors to be eligible to apply for the credit.

***MBA High School of Business™ credit is counted as non-residency transfer work.***

### Military Credit

A maximum of 30 semester hours of credit may be accepted for college-level courses taken under the auspices of the U.S. military services. Credit may also be awarded to veterans of military service who have successfully completed coursework at U.S. military service schools. A Joint Services Transcript (JST), DD214, or official military service school transcript must be submitted. These documents are evaluated by the Office of the Registrar according to recommendations from the American Council on Education in accordance with UNC guidelines.

Any credit submitted and approved from Military Service will be placed on the student's academic transcript and will apply towards the total units needed for graduation. This may reduce the number of credits a student may take towards elective credit for a degree. Once credit has been awarded, it cannot be removed from the student's academic record.

***Military credit is counted as non-residency transfer work.***

Approved military courses and occupations for guaranteed transfer credit are available at [www.unco.edu/registrar/transfer/credit-exam.aspx](http://www.unco.edu/registrar/transfer/credit-exam.aspx).

### Portfolio Review

Any GT Pathways credit awarded by a Colorado HE institution based on a portfolio review shall be accepted in transfer and applied to GT Pathways requirements at the University of Northern Colorado, regardless of the sending institution's portfolio review method.

At UNC, students should consult with the respective academic unit for specific guidance on the Portfolio review process and GT alignment.

***Portfolio credit is counted as non-residency transfer work.***

### Prior Learning Credit in American Sign Language

A student wanting advancement placement in American Sign Language courses above ASL 101 must meet with a faculty member in the American Sign Language and Interpreting Studies (ASLIS) department for a placement screening. A student may receive prior learning credits, provided a grade of "B" (3.0) or higher is earned in the student's first UNC course taken above ASL 101.

After receiving a "B" or higher grade students must petition the Office of the Registrar in order to be awarded the prior learning credits. Petition forms are available in the ASLIS office.

Prior Learning credit may be earned in American Sign Language courses as follows:

- The ASL 102 (ASL II) courses earn 3 prior learning credits plus 3 course credits for a total of 6 credits.

- The ASL 201 (ASL III) courses earn 6 prior learning credits plus 3 course credits for a total of 9 credits.
- The ASL 202 (ASL IV) courses earn 9 prior learning credits plus 3 course credits for a total of 12 credits.
- The INTR 101 (ASL V) courses earn 12 prior learning credits plus 3 course credits for a total of 15 credits.
- The INTR 102 (ASL VI) courses earn 15 prior learning credits plus 3 course credits for a total of 18 credits.

### Prior Learning Credit in World Languages

The World Languages and Cultures Department uses placement examinations in Chinese and Spanish to establish advanced placement in language classes. Students in Japanese should contact the Department of World Languages and Cultures for placement. A student may receive prior learning credits provided a grade of "B" (3.0) or higher is earned in the student's first UNC course above the 100 level in a particular language (Chinese, Japanese and Spanish).

Students must petition the Office of the Registrar after receiving a 'B' or higher grade in order to be awarded the prior learning credits.

Petition forms are available in the HSS Student Success Resource Center. Prior learning language credit is counted as in-residence work. Prior learning credit may be earned in one or more languages, as follows:

- Elementary CHIN/JAPN Language II (102) courses earn 5 prior learning credits plus 5 course credits for a total of 10 credits.
- SPAN 200 (p. 573) earns 3 prior learning credits plus 3 course credits for a total of 6 credits.
- Intermediate CHIN/JAPN Language I (201) courses earn 10 prior learning credits plus 3 course credits for a total of 13.
- Intermediate SPAN Language I (201) courses earn 6 prior learning credits plus 3 course credits for a total of 9
- Intermediate CHIN/JAPN Language II (202) courses earn 13 or 14 prior learning credits plus 3 course credits for a total of 16.
- Intermediate SPAN Language II (202) courses earn 9 prior learning credits plus 3 course credits for a total of 12.
- The elementary Spanish courses SPAN 103 and SPAN 104 are not eligible for prior learning credits.

Any advanced CHIN/JAPN language course (300 and above) earns 16 prior learning credits plus 3 course credits for a total of 19.

See table below for specific course information.

Any advanced SPAN language course (300 and above) earns 12 prior learning credits plus 3 course credits for a total of 15.

See table below for specific course information.

Earn B or above in this course:	Receive prior learning credit for:	For total credits:
<b>Chinese</b>		
The following upper-division courses: CHIN 301 (3), CHIN 302 (3), CHIN 407 (3), CHIN 450 (3)	CHIN 101 (5) & CHIN 102 (5) & CHIN 201 (3) & CHIN 202 (3)	16
<b>Japanese</b>		
The following upper-division courses: JAPN 301 (3), JAPN 302 (3), JAPN 407 (3), JAPN 450 (3)	JAPN 101 (5) & JAPN 102 (5) & JAPN 201 (3) & JAPN 202 (3)	16
<b>Spanish</b>		
The following upper-division courses: SPAN 301 (3), SPAN 302 (3); or SPAN 310 (3), SPAN 311 (3); & SPAN 312 (3)	SPAN 100(3) & SPAN 200(3) & SPAN 201 (3) & SPAN 202 (3)	12

Students whose first UNC language course is a 300 or 400-level course that is not listed in the preceding table may petition the appropriate department for prior learning credits. Alternatively, they can apply for prior learning credits after they have completed a course that appears in the preceding table.

### Teacher Cadet Program Credit

Students who received a B or better in their Teacher Cadet coursework may request credit for fulfilling the Educational Foundations requirement in the Elementary, Secondary, and K-12 Professional Teacher Education Programs (PTEP). This awarded credit will, in effect, waive the required 3 credit hours of EDF 290, depending on the PTEP program in which the student enrolls.

To request the EDF credit, please submit a legible copy of your Teacher Cadet Certificate of Completion (The Teacher Cadet Program Portfolio Review certificate) along with a high school transcript indicating the Teacher Cadet Program with grades of B or better to the Office of the Registrar.

***Teacher Cadet Program credit is counted as non-residency transfer work.***

### Statewide Transfer Articulation Agreements

Statewide Articulation Guides are agreements between the public two-year and four-year colleges and universities in the State of Colorado. These agreements indicate which courses from the two-year colleges will transfer to four-year colleges/universities as part of a particular bachelor's degree program.

View Statewide Transfer Articulation Agreements at [cdhe.colorado.gov/transfer-degrees](http://cdhe.colorado.gov/transfer-degrees).

### Waiver of Liberal Arts Curriculum Requirements

- Individuals with an Associate of Arts, Associate of Science, or a Bachelor's degree (regardless of date of completion) from a regionally accredited institution will have their Liberal Arts Curriculum requirements waived.
- Certain UNC majors require specific and/or additional LAC credit. These requirements are not waived by the AA, AS, or Bachelor's Degree.

## LIBERAL ARTS CURRICULUM

The Liberal Arts Curriculum (LAC) provides all undergraduate students with grounding in the liberal arts that is infused with critical and creative inquiry. It also satisfies the six general education areas all public higher education institutions in the state of Colorado are required to include in their undergraduate degree programs. Completing the LAC enables students to develop content knowledge in Written Communication, Mathematics, Arts & Humanities, History, Social & Behavioral Sciences, and Natural & Physical Sciences. In keeping with UNC's commitment to the values of inclusion, equity, and diversity, all UNC students are required to choose at least one course with a *U.S. Multicultural Studies [MS]* designation, and at least one course with an *International Studies [IS]* designation. Courses with these designations can be found within the general education category of Arts & Humanities, History, and Social and Behavioral Sciences. The LAC also supports development of the following competencies for all students: Civic Engagement, Creative Thinking, Critical Thinking, Diversity & Global Learning, Information Literacy, Inquiry & Analysis, International Learning, Multicultural Learning, Oral/Presentational Communication, Problem Solving, Quantitative Literacy, and Written Communication.

### Requirements

Students are required to complete at least 31 hours distributed among the following general education areas:

- Written Communication — 6 credits
- Mathematics — 3 credits
- Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies, and International Studies — 15 credits
- Natural & Physical Sciences — 7 credits

### U.S. Multicultural Studies and International Studies Requirements

At least one course (3 credits) must carry a *U.S. Multicultural Studies [MS]* designation, and at least one course (3 credits) must carry an *International Studies [IS]* designation. To complete the Liberal Arts Curriculum within the minimum of 31 credit hours required by the state general education program, students should select at least one Arts & Humanities, History, and Social & Behavioral Sciences course that carries an IS designation, and at least one course that carries an MS designation (6 credits total).

### Special Notes

- Courses that may be used to satisfy the Liberal Arts Curriculum are highlighted in the course catalog and course schedule with the indicators listed below. More information about general education requirements, including a link to courses scheduled for current and upcoming terms, can be found on the LAC website.
- No course taken before the time it appears as a Liberal Arts Curriculum course in the Catalog may be used to satisfy the requirements of the Liberal Arts Curriculum.
- No course taken after the time it is removed from the eligibility list for the Liberal Arts Curriculum may be used to satisfy the requirements of the Liberal Arts Curriculum.
- UNC courses that have not been approved for inclusion in the Liberal Arts Curriculum may not be substituted for courses that have been approved for inclusion in the Liberal Arts Curriculum in the satisfaction of the requirements of the Liberal Arts Curriculum.
- Any course being transferred to UNC that has not already been designated as equivalent to any course approved for inclusion within the Liberal Arts Curriculum will be referred to a transfer specialist in the Office of the Registrar for review. If it is decided that the course is equivalent to an approved Liberal Arts Curriculum course, it will be designated as such for all students desiring to transfer it to UNC in the future.
- Regardless of a student's catalog year, any course taken at UNC after Summer 2006 may be used to satisfy a particular Liberal Arts Curriculum requirement if and only if it is listed as an approved Liberal Arts Curriculum course in the relevant area in the Catalog in effect at the time at which it was taken.
- In some cases, courses that fulfill a major requirement also fulfill a Liberal Arts Curriculum requirement. Students should consult with their academic advisor to ensure they are taking advantage of these opportunities to double count a single course toward both LAC and major requirements.

### Waiver of Liberal Arts Curriculum Requirements

Individuals with an Associate of Arts, Associate of Science, or a Bachelor's degree (regardless of date of completion) from an accredited institution will have their Liberal Arts Curriculum (LAC) requirements waived. Associate of Applied Science (AAS) and Associate of General Studies (AGS) degrees do not waive the Liberal Arts Curriculum requirement.

Many UNC bachelor's degree programs require courses as part of their major that also have LAC status. Because they are requirements of the major, these courses *cannot* be waived by a previous AA, AS, or bachelor's degree, even though the student may already have completed the LAC with other coursework.

## Liberal Arts Curriculum Course Challenge Option

In accordance with CCHE policy, students may request a challenge exam in lieu of an LAC course. Students interested in challenging a Liberal Arts Curriculum course should contact the appropriate program to inquire about the process.

## Guaranteed Transferability

Courses bearing the designation "gtP" have also been approved for inclusion in Colorado's Guaranteed Transfer Pathways (gtP). A grade of C- or better guarantees that the course will automatically transfer to any Colorado public institution and satisfy the same statewide general education category at that institution. For more information on the gtPathways program, please visit the Colorado Department of Higher Education website.

## Liberal Arts Curriculum Course Indicators

LAA1	Arts & Humanities: Arts & Expression	LAIS	International Studies
LAA2	Arts & Humanities: Literature & Humanities	LAMS	U.S. Multicultural Studies
LAA3	Arts & Humanities: Ways of Thinking	LAS1	Natural & Physical Sciences
LAA4	Arts & Humanities: World Languages	LASL	Natural & Physical Sciences Lab
LAB1	Social & Behavioral Sciences: Economic or Political Systems	LAW1	Introductory Written Communication
LAB2	Social & Behavioral Sciences: Geography	LAW2	Intermediate Written Communication
LAB3	Social & Behavioral Sciences: Human Behavior, Culture or Social Frameworks	LAW3	Advanced Written Communication
LAH1	History	LAX1	Mathematics

## Exploring the Liberal Arts Program

Students who choose to begin building their academic foundation prior to declaring a major are automatically enrolled in our "Exploring the Liberal Arts" Program. Administered by Soar, in collaboration with the Center for Career Readiness, this program provides students with professional advising that helps them discover their academic interests and aptitudes while exploring the rich and diverse course offerings in UNC's Liberal Arts Curriculum. Students emerge from their "exploring" experiences solidly grounded in an understanding of their path to academic success.

## WRITTEN COMMUNICATION — 6 CREDITS

Select from the following after consulting with an advisor:

- **One** course from GT-CO1 (Introductory Writing Course) and **one** course from GT-CO2 (Intermediate Writing Course), **OR**
- **One** course from GT-CO2 (Intermediate Writing Course) and **one** course from GT-CO3 (Advanced Writing Course)

Students should consult their advisor for proper placement in Written Communication courses.

### Introductory Writing Course

ENG 122	College Composition	3
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### Intermediate Writing Course

BA 205	Business Communications	3
ENG 123	College Research Paper	3
ENG 225	Communications on a Theme	3
PVA 152	Writing and Scholarship in the Performing and Visual Arts	3
SCI 225	Writing on Scientific Practices	3
SCI 291	Scientific Writing	3

BA 205: only if taken Summer 2008 or earlier or Fall 2013 or later

### Advanced Writing Course

ENG 323	Advanced Argument	3
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## MATHEMATICS — 3 CREDITS

Select **one** course. Note: If you select MATH 181, you must also complete MATH 182 to satisfy the requirement

MATH 120	Mathematics and Liberal Arts	3
MATH 124	College Algebra	4
MATH 125	Plane Trigonometry	3
MATH 127	Elementary Functions	4
MATH 131	Calculus I	4



MATH 132	Calculus II	4	ART 290	Visual Problem Solving	3
MATH 171	Calculus I for Life Sciences	4	ASIA 248	Asian Musical Culture	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3	DNCE 130	Dance and Culture	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3	ENG 200	Introduction to Creative Writing	3
MATH 185	Number Sense and Algebra	3	ENG 230	Introduction to Comics and Graphic Novels	3
MATH 186	Elements of Calculus	3	ENG 231	Analyzing Video Games	3
STAT 111	Introduction to Data Science	3	FILM 120	Introduction to Film	3
STAT 150	Introduction to Statistical Analysis	3	MIND 281	Modernity in Asia	3
STAT 250	Statistics for Life Sciences	3	MT 296	Musical Theatre History	3
			MUS 140	Exploration of Music through American Identities	3

MATH 171: only if taken Fall 2010 or later

MATH 185: only if taken Fall 2016 or later

STAT 250: only if taken Fall 2022 or later

Elementary Teaching/Liberal Arts students are to take MATH 181 and MATH 182 unless they have selected the Mathematics track. Those who have selected the Mathematics track are to take MATH 185 and MATH 186 instead of MATH 181 and MATH 182.

## Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies, and International Studies — 15 Credits

Select **two** courses from *Arts & Humanities*, **one** course from *History*, **one** course from *Social & Behavioral Sciences* and **one** additional course from any of these categories.

### U.S. Multicultural and International Requirement:

At least **one** course (3 credits) must carry a U.S. Multicultural Studies [MS] designation, and at least **one** course (3 credits) must carry an International Studies [IS] designation. Courses with these designations are listed in individual sections below and marked where they appear in the Arts & Humanities, History and Social & Behavioral Sciences categories. In order to complete the Liberal Arts Curriculum within 31 credits, six total credits must be doubled counted.

## ARTS & HUMANITIES — 6 CREDITS (MINIMUM)

Select **two** courses from any of the categories (minimum 3 credits each)

### Arts & Expression

ART 181	Ancient Art History	3
ART 182	Medieval to Rococo Art History	3
ART 185	Neoclassic to Modern Art History	3
ART 190	Art Appreciation	3

MUS 143	Musical Styles and Context	3
MUS 144	Exploring Music in Film	3
MUS 145	Music for Cartoons: Disney to Animé	3
MUS 150	History of Rock and Roll	3
MUS 155	Beats and Grooves in Hispanic and Latinx Music	3
MUS 243	History of Music I	3
MUS 247	Music as Cultural Identity	3
MUS 248	Asian Musical Culture	3
MUS 296	Jazz Music: History and Appreciation	3
PVA 220	Creative Thinking and Strategies	3
THEA 130	Introduction to the Theatre	3
THEA 159	The Art of Acting for All Majors	3
THEA 225	Theatre in Film	3
THEA 296	History of Theatre I	3
THEA 297	History of Theatre II	3

ART 185: only if taken Fall 2012 or later

ART 290: only if taken Fall 2013 or later

ASIA 248 and MIND 281: only if taken Fall 2020 or later

ENG 200 and ENG 230: only if taken Fall 2021 or later

FILM 120 and MUS 296: only if taken Fall 2009 or later

THEA 159: only if taken Fall 2022 or later

### Literature & Humanities

AFS 205	Survey of African American Literature	3
ASIA 216	South and Southeast Asian Literature	3
CHIN 216	Masterpieces in Chinese Literature	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ENG 131	Introduction to Literature	3
ENG 205	World Folklore and Fairy Tales	3
ENG 206	Regional Mythologies	3
ENG 207	Native American Literature	3
ENG 211	Survey of American Literature	3
ENG 213	Survey of British Literature I	3
ENG 217	Studies in Young Adult Literature	3
ENG 232	Multicultural Speculative Fiction	3
ENG 236	Ethnic American Literature	3

ENG 250	Introduction to Shakespeare	3
ENG 262	Masterpieces of World Literature	3
ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3
HON 180	Great Ideas in Context	3
HON 182	Confluence of Cultures	3
HUM 122	Popular Medievalisms	3
HUM 231	Images of Gender in Literature and the Arts	3
MAS 110	Contemporary Chicano Literature	3
MUS 212	Song Lyrics	3

ASIA 216 and ENG 250: only if taken Fall 2020 or later

ENG 205, ENG 263 and ENG 264: only if taken Fall 2021 or later

CHIN 216: only if taken Fall 2012 or later

HUM 122: only if taken Summer 2018 or later

MUS 212: gtP only if taken Fall 2015 or later

### Ways of Thinking

ANT 292	Culture and Conflict	3
BA 150	Foundations of Business Thought	3
HON 185	Religions and Worldviews	3
HUM 130	Introduction to Cultural Studies	3
MIND 181	Great Traditions of Asia: India, China and Japan	3
MIND 290	Search for Meaning	3
PHIL 100	Introduction to Philosophy	3
PHIL 126	Introduction to Global Philosophies	3
PHIL 150	Moral Issues	3
PHIL 221	Basic Logic	3
PHIL 225	Philosophical Figures	3
PHIL 250	Medical Ethics	3
PHIL 270	Philosophy of Religion	3
PHIL 280	Philosophy of Science	3

HUM 130: only if taken Fall 2022 or later

ANT 292: only if taken Fall 2021 or later

### World Languages

ASL 201	American Sign Language III	3
ASL 202	American Sign Language IV	3
CHIN 201	Intermediate Chinese I	3
CHIN 202	Intermediate Chinese II	3
GER 201	Intermediate German I	3
GER 202	Intermediate German II	3
JAPN 201	Intermediate Japanese I	3
JAPN 202	Intermediate Japanese II	3
SPAN 200	Intermediate Low Spanish	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

ASL 201 and ASL 202: only if taken Fall 2008 or later

## HISTORY — 3 CREDITS (MINIMUM)

Select **one** course (minimum 3 credits)

AFS 100	Introduction to Africana Studies	3
AFS 101	Development of Black Identity	3
AFS 201	African American History I	3
AFS 202	African American History II	3
HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3
HIST 110	African Civilization	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3
HIST 114	World History to 1500	3
HIST 115	World History Since 1500	3
HIST 118	History of Mexico	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
HIST 121	Western Civilization from 1689 to the Present	3
HIST 250	LGBTQ History in the United States (1900-2000)	3
MAS 225	Latina/Latino History	3

AFS 100: only if taken Fall 2013 or later

HIST 112: only if taken Fall 2010 or later

MAS 225: only if taken Fall 2022 or later

## SOCIAL & BEHAVIORAL SCIENCES — 3 CREDITS (MINIMUM)

Select **one** course from any of the categories (minimum 3 credits)

### Economic or Political Systems

BA 251	International Business	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
MIND 286	Value Issues in Political Economy	3
PSCI 100	United States National Government	3
PSCI 105	Fundamentals of Politics	3
PSCI 110	Global Issues	3
PSCI 270	Nationalism, Ethnicity and Race	3
PSCI 286	Value Issues in Political Economy	3

BA 251: only if taken Fall 2022 or later

PSCI 110: only if taken Fall 2009 or later

PSCI 270: only if taken Fall 2023 or later

**Geography**

GEOG 100	World Geography	3
GEOG 110	Geography of the United States and Canada	3
GEOG 200	Human Geography	3
GEOG 218	Emerging Asia	3
GEOG 250	The Making of the American Landscape	3

GEOG 218: only if taken Fall 2021 or later

**Human Behavior, Culture, or Social Frameworks**

ANT 110	Introduction to Cultural Anthropology	3
ANT 120	World Archaeology	3
ANT 212	North American Indians	3
ANT 245	Introduction to Ethnomusicology	3
ASIA 116	State, Society, and Culture in Contemporary Asia	3
ASL 210	American Sign Language for Professionals I	3
ASL 212	American Sign Language for Professional II	3
CHIN 116	Introduction to Chinese Civilization	3
CRJ 110	Introduction to Criminal Justice	3
CSD 160	Introduction to Human Communication and Its Disorders	3
GER 116	Contemporary Germany	3
GNDR 101	Gender and Society	3
GNDR 240	Gender, Race, Class, and Sexuality	3
GNDR 285	Gender in the Contemporary Global Order	3
HUSR 205	Introduction to Human Services	3
HUSR 208	Perspectives on Aging and Later Life	3
MAS 100	Introduction to Mexican American Studies	3
MUS 245	Introduction to Ethnomusicology	3
NURS 200	Women's Health	3
PSY 120	Principles of Psychology	3
PSY 230	Lifespan Development	3
PSY 247	Adolescent Learning and Motivation	3
PSY 265	Social Psychology	3
SOC 100	Principles of Sociology	3
SOC 120	Introduction to Family Studies	3
SOC 170	Social Problems	3
SOC 221	Sociology of Gender	3
SOC 235	Social Change in a Global Context	3
SOC 237	Sociology of Race, Racism, and Power	3
SOC 240	Gender, Race, Class, and Sexuality	3

ANT 245: gtp only if take Fall 2021 or later

ASIA 116 and GER 116: only if taken Fall 2021 or later

MAS 100: only if taken Fall 2008 or later

CHIN 116, GNDR 240, SOC 240 and GNDR 285: only if taken Fall 2020 or later

CRJ 110: only if taken Fall 2019 or later

SOC 170: only if taken Fall 2011 or later

SOC 235: only if taken Fall 2023 or later

**U.S. MULTICULTURAL STUDIES**

Select **one** course to be used towards the state mandated minimum 15 credits required in *Arts & Humanities*, *History*, and *Social & Behavioral Sciences* categories.

**Arts & Humanities**

ASL 201	American Sign Language III	3
ASL 202	American Sign Language IV	3
BA 150	Foundations of Business Thought	3
DNCE 130	Dance and Culture	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ENG 207	Native American Literature	3
ENG 232	Multicultural Speculative Fiction	3
ENG 236	Ethnic American Literature	3
HON 182	Confluence of Cultures	3
HUM 130	Introduction to Cultural Studies	3
MAS 110	Contemporary Chicano Literature	3
MUS 140	Exploration of Music through American Identities	3
MUS 150	History of Rock and Roll	3
MUS 155	Beats and Grooves in Hispanic and Latinx Music	3
MUS 296	Jazz Music: History and Appreciation	3

BA 150 and HUM 130: only if taken Fall 2022 or later

ASL 201 and ASL 202: only if taken Fall 2008 or later

MUS 140: only if taken Fall 2022 or later

**History**

AFS 100	Introduction to Africana Studies	3
AFS 101	Development of Black Identity	3
HIST 250	LGBTQ History in the United States (1900-2000)	3
MAS 225	Latina/Latino History	3

AFS 100: only if taken Fall 2013 or later

MAS 225: only if taken Fall 2022 or later

HIST 250: only if taken Fall 2023 or later

**Social & Behavioral Sciences**

ANT 212	North American Indians	3
ASL 210	American Sign Language for Professionals I	3
ASL 212	American Sign Language for Professional II	3
GNDR 101	Gender and Society	3

GNDR 240	Gender, Race, Class, and Sexuality	3
MAS 100	Introduction to Mexican American Studies	3
PSCI 270	Nationalism, Ethnicity and Race	3
SOC 221	Sociology of Gender	3
SOC 237	Sociology of Race, Racism, and Power	3
SOC 240	Gender, Race, Class, and Sexuality	3

SOC 221: only if taken Fall 2010 or later

PSCI 270: only if taken Fall 2023 or later

## INTERNATIONAL STUDIES

Select **one** course to be used towards the state mandated minimum 15 credits required in the *Arts & Humanities*, *History*, and *Social & Behavioral Sciences* categories.

### Arts & Humanities

ASIA 216	South and Southeast Asian Literature	3
ASIA 248	Asian Musical Culture	3
CHIN 201	Intermediate Chinese I	3
CHIN 202	Intermediate Chinese II	3
CHIN 216	Masterpieces in Chinese Literature	3
ENG 205	World Folklore and Fairy Tales	3
ENG 206	Regional Mythologies	3
ENG 217	Studies in Young Adult Literature	3
ENG 262	Masterpieces of World Literature	3
ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3
GER 201	Intermediate German I	3
GER 202	Intermediate German II	3
HON 180	Great Ideas in Context	3
HUM 122	Popular Medievalisms	3
JAPN 201	Intermediate Japanese I	3
JAPN 202	Intermediate Japanese II	3
MIND 181	Great Traditions of Asia: India, China and Japan	3
MIND 281	Modernity in Asia	3
MUS 247	Music as Cultural Identity	3
MUS 248	Asian Musical Culture	3
PHIL 126	Introduction to Global Philosophies	3
SPAN 200	Intermediate Low Spanish	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

ASIA 216, ASIA 248, CHIN 216, and MIND 281: only if taken Fall 2020 or later

ENG 205, ENG 262, ENG 263, ENG 264, and HUM 122: only if taken Fall 2021 or later

### History

HIST 110	African Civilization	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3

HIST 113	Asian Civilizations II: From 1500 to the Present	3
HIST 114	World History to 1500	3
HIST 115	World History Since 1500	3
HIST 118	History of Mexico	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
HIST 121	Western Civilization from 1689 to the Present	3

HIST 114 and HIST 115: only if taken Fall 2021 or later

HIST 110, HIST 112, HIST 113, HIST 118, HIST 120 and HIST 121: only if taken Fall 2023 or later

### Social & Behavioral Sciences

ANT 110	Introduction to Cultural Anthropology	3
ANT 245	Introduction to Ethnomusicology	3
ASIA 116	State, Society, and Culture in Contemporary Asia	3
BA 251	International Business	3
CHIN 116	Introduction to Chinese Civilization	3
GEOG 100	World Geography	3
GEOG 218	Emerging Asia	3
GER 116	Contemporary Germany	3
GNDR 285	Gender in the Contemporary Global Order	3
MUS 245	Introduction to Ethnomusicology	3
PSCI 110	Global Issues	3
SOC 235	Social Change in a Global Context	3

BA 251: only if taken Fall 2022 or later

ANT 245: gtP only if take Fall 2021 or later

ASIA 116, GEOG 100 and GER 116: only if taken Fall 2021 or later

PSCI 110: only if taken Fall 2009 or later

SOC 235: only if taken Fall 2023 or later

## NATURAL & PHYSICAL SCIENCES — 7 CREDITS

**Two** courses required:

- **One** course with a required laboratory, **and**
- **One** course with or without a laboratory.

ANT 130	Introduction to Biological Anthropology	3
ANT 130L	Introduction to Biological Anthropology Laboratory	1
AST 100	The Sky and Planets	4
AST 101	Stars and Galaxies	4
AST 109	The Cosmos	3
BIO 100	Exploring Biology	3
BIO 105	Exploring Biology Lab	1

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
BREW 170	Fundamentals of Brewing Science	3
BREW 170L	Fundamentals of Brewing Science Laboratory	1
CHEM 101	Chemistry for Citizens	3
CHEM 102	Chemistry for Citizens Laboratory	1
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
ENST 100	Introduction to Environmental Studies	3
ENST 225	Energy and the Environment	3
ENST 235	Chemistry and the Environment	3
ESCI 101	Earth's Climate System	4
ESCI 150	Our Violent Earth	3
ESCI 200	Introduction to Environmental Earth Science	4
FND 250	Principles of Nutrition	3
GEOL 100	General Geology	4
GEOL 110	Our Geological Environment	3
MET 110	Our Violent Atmosphere	3
MET 205	General Meteorology	4
OCN 110	Our Ocean Systems	3
OCN 200	General Oceanography	4
PHYS 220	Introductory Physics I	5
PHYS 240	General Physics I	5
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 220	Anatomical Kinesiology	4

The following courses have a laboratory designation (LASL attribute): ANT 130L, AST 100, AST 101, BIO 105, BIO 110, BIO 111, BREW 170L, CHEM 102, CHEM 111L, CHEM 281L, ESCI 200, GEOL 100, MET 205, OCN 200, PHYS 220, PHYS 240, SCI 265, SCI 266, SES 220

ANT 130: only if taken Fall 2014 or later

BIO 111: only if taken Fall 2020 or later

ENST 100: only if taken Fall 2008 or later

SES 220: only if taken Fall 2012 or later

*CHEM 102 can be counted towards the satisfaction of this requirement only upon the completion of CHEM 101.*

## COLLEGE OF EDUCATION AND BEHAVIORAL SCIENCES (EBS)

### University Programs

Undergraduate Programs (p. 110)

### Office of the Dean

**Dean:** Jared Stallones, Ph.D.

**Associate Dean:** Robyn Hess, Ph.D.

**Associate Dean:** Jingzi (Ginny) Huang, Ph.D.

**Location:** McKee 125

**Telephone:** 970.351.2817

The mission of the College of Education and Behavioral Sciences is to contribute to the betterment of society through research, professional service, and the preparation of individuals who are skilled lifelong learners capable of working effectively with diverse populations in an evolving global community.

The College offers programs at the graduate and undergraduate levels. Graduate programs in Psychological Sciences and Applied Statistics and Research Methods and Educational Technology prepare students for employment in a range of fields including education and the business and technology sectors. The undergraduate program in psychology provides students with a liberal arts degree and transferable skills in several areas including research design and analysis and the ability to understand human behavior.

Several programs in the College provide professional training by offering specialized undergraduate licensure and graduate degree programs in education and psychology. The undergraduate licensure programs (Licensure and Endorsement Programs (p. 351)) prepare elementary, middle, secondary, K-12, and special education teachers. The Center for Urban Education in Denver prepares elementary, special education, and early childhood education teachers for work in urban schools. The DO IT Center offers an undergraduate degree in ASL-English Interpretation (both online and onsite at the UNC Denver Center) and a graduate degree in Teaching American Sign Language.

Graduate programs are also offered to prepare school administrators, school psychologists, educational technology personnel, counselors and counseling psychologists for schools, mental health agencies and private practice. These programs also prepare college and university faculty and administrators.

The professional education faculty members of the College are committed to the serious study of education and the promotion of professional standards to ensure quality and foster innovation in professional preparation. The College Conceptual Framework holds the view that education is a

transformational enterprise and that professional educators use evidence in decision making; respect diversity; collaborate with others; are standards and performance-based; and can use technology to improve teaching and learning.

Programs in the College are accredited by the National Council for the Accreditation of Teacher Education. All educator preparation programs are approved for licensure by the Colorado State Board of Education and authorized by the Colorado Department of Higher Education. The American Psychological Association and the Council for Accreditation of Counseling and Related Educational Programs credit programs in School Psychology and Counseling and Counselor Education. The ASL-English Interpreting degree is accredited by the Commission on Collegiate Interpreter Education.

Other major units in the College are the Tointon Institute for Educational Change, Bresnahan-Halstead Center on Mental Retardation and Developmental Disabilities, and the Kephart Memorial Child Study Center. A common focus of these diverse units is to provide teachers and administrators with advanced professional development.

### Department of American Sign Language & Interpreting Studies

**Director:** Barbara Garrett, Ph.D.

**Location:** McKee 511

**Telephone:** 970.351.1117

**Website:** [www.unco.edu/cebs/asl-interpreting/](http://www.unco.edu/cebs/asl-interpreting/)

#### Course(s) Offered (Prefix):

- ASL — American Sign Language (p. 412)
- EDI — Educational Interpreting (p. 455)
- INTR — American Sign Language-English Interpretation (p. 501)

#### Program(s) Offered:

- **Bachelors Degrees**
  - American Sign Language English Interpretation B.A. (p. 113)
- **Minor**
  - American Sign Language (p. 365)
- **Undergraduate Certificates**
  - Diagnostic Assessment and Skills Training Series (p. 358)
- **CDE Professional Development Series**
  - Educational Interpreting (p. 360)
  - Leadership & Supervision (p. 361)

- **Professional Development**

- Educational Interpreting (p. 360)
- Legal Interpreter Training (p. 361)

The Department of American Sign Language & Interpreting Studies (ASLIS) designs and delivers quality programs that center around learning, using and teaching American Sign Language. Undergraduate and graduate courses are offered, as are Liberal Arts Curriculum courses and professional development coursework and certificates. Programming is offered on the UNC main campus to traditional undergraduate students and online to a national audience.

ASL I-IV is offered on both the UNC main campus as well as online. An ASL minor of 18-24 credit hours is also available for students interested in a stronger language foundation.

The BA in ASL-English Interpretation begins at ASL V and it is offered on the UNC main campus or in a hybrid online delivery system that requires an annual summer session on campus. The BA is accredited by the Commission on Collegiate Interpreter Education, and the online offering is the only distance-delivered BA in ASL English interpreting in the nation to have achieved that distinction.

The ASLIS faculty (Deaf and nondeaf/hearing) are selected for their recognized expertise. They each contribute to their respective field by researching, publishing, and presenting in various local, national and international venues. They are acknowledged as outstanding teachers by their students and their peers.

## Department of Applied Psychology and Counselor Education

**Chair:** Heather Helm, Ph.D.

**Website:** [www.unco.edu/cebs/applied-psychology-counselor-education/](http://www.unco.edu/cebs/applied-psychology-counselor-education/)

### Course(s) Offered (Prefix):

- APCE — Applied Psychology and Counselor Education (p. 401)
- UNIV 101 (p. 586)

## Department of Leadership, Policy and Development: Higher Education and P-12 Education

**Chair:** Linda R. Vogel, Ph.D.

**Website:** [www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/](http://www.unco.edu/cebs/leadership-policy-development-higher-education-p12-education/)

### Course(s) Offered (Prefix):

- HESA — Higher Education and Student Affairs Leadership (p. 490)

## School of Psychological Sciences

**Director:** Carl E. Granrud, Ph.D.

**Location:** McKee 0014

**Telephone:** 970.351.2957

**Website:** [www.unco.edu/cebs/psychological-sciences/](http://www.unco.edu/cebs/psychological-sciences/)

**Faculty:** Michael Todd Allen, Ph.D.; Cassandra M.R. Bergstrom, Ph.D.; Ryan D. Darling, Ph.D.; Thomas N. Dunn, Ph.D.; Carl E. Granrud, Ph.D.; Molly M. Jameson, Ph.D.; Nancy J. Karlin, Ph.D.; Paul Klaczynski, Ph.D.; James Kole, Ph.D.; Joanna E. Lewis, Ph.D.; Sue Hyeon Paek, Ph.D.; Phillip E. Peterson, Ph.D.; Kevin Pugh, Ph.D.; Marilyn C. Welsh, Ph.D.; William Douglas Woody, Ph.D.

**Emeritus Faculty:** Mark B. Alcorn, Ph.D.; William A. Barnard, Ph.D.; Theodore R. Bashore, Ph.D.; Susan P. Bromley, Psy.D.; Kathryn F. Cochran, Ph.D.; John B. Cooney, Ph.D.; David M. Gilliam, Ph.D.; Teresa M. McDevitt, Ph.D.; Grant L. Morris, Ph.D.; Jeanne E. Ormrod, Ph.D.; Charles S.L. Poston, Ph.D.; Steven M. Pulos, Ph.D.; Paul D. Retzlaff, Ph.D.; Eugene Sheehan, Ph.D.

### Course(s) Offered (Prefix):

- PSY — Psychology (p. 554)

### Program(s) Offered:

- **Bachelors Degrees**
  - Psychology B.A. (p. 317)
  - Accelerated (4 + 1) Psychology B.A. and Educational Psychology M.A. (p. 317)
- **Minor**
  - Psychology Minor (p. 386)

The goal of psychology is to understand the processes involved in thoughts, actions, feelings, and experiences. To explain these processes psychologists develop theories, which guide hypotheses that are tested scientifically through qualitative and quantitative research methods. This scientific approach is applied by psychologists to the study of humans and other animals. The results of psychological research benefit professionals from many fields and can be important in shaping, for example, clinical and educational practices and social policies.

## School of Special Education

**Director:** Corey Pierce, Ph.D.

**Location:** McKee 36

**Telephone:** 970.351.2691

**Website:** [www.unco.edu/cebs/special-education/](http://www.unco.edu/cebs/special-education/)

**Faculty:** Sandra K. Bowen, Ph.D.; Paula W. Conroy, Ed.D.; Silvia Correa-Torres, Ed.D.; Tracy Gershwin, Ph.D.; Amy Graefe, Ph.D.; Francie R. Murry, Ph.D.; Lori Peterson, Ph.D.; Jason Robinson, Ph.D.; Nancy Sileo, Ed.D.; Todd H. Sundeen, Ph.D.; Jennifer Urbach, Ph.D.; Hasan Zaghawan, Ph.D.

### Course(s) Offered (Prefix):

- EDSE — Special Education (p. 458)
- ELIT — Literacy Education (p. 463)
- GOAL — Modified Classes (p. 489)

### Program(s) Offered:

- **Bachelors degrees**
  - Special Education B.A.
    - Liberal Arts Concentration (p. 333)
    - Licensure: Special Education Generalist (Ages 5-21) (p. 330)
    - Early Childhood Special Education Liberal Arts Concentration (Birth to 8 years) (p. 328)
- **Minor**
  - Special Education (p. 387)
- **Go On And Learn (UNC GOAL)** (p. 391)

The School of Special Education offers one of the most comprehensive training programs for special educators (undergraduate, master's, doctoral) in the nation. UNC is the only institution in a six-state region that offers degree programs in special education in all areas of exceptionality. Special programs associated with special education include the Summer Enrichment Program for the Gifted and Talented, the Bresnahan-Halstead Center on Disabilities, and an annual Special Education Summer Symposia Series in Vail, Colorado featuring renowned speakers.

Faculty in Special Education are nationally recognized, have published in their respective areas, presented papers at prestigious conferences and have many of their publications translated into several foreign languages. Numerous program and research grants provide support for professional development and student scholarships at the graduate levels.

## School of Teacher Education

**Director:** Jingzi (Ginny) Huang, Ph.D.

**Location:** McKee 216

**Telephone:** 970.351.2908

**Website:** [www.unco.edu/cebs/teacher-education/](http://www.unco.edu/cebs/teacher-education/)

**Faculty:** Margaret Berg, Ph.D.; Kim Creasy, Ph.D.; Anne Davidson Shafer, Ph.D.; James A. Erekson, Ph.D.; Matthew Farber, Ed.D.; James Gambrell, Ed.D.; Derek Gottlieb, Ed.D.; Jenni L. Harding Middleton, Ed.D.; Michelle Holmes, Ph.D.; HyunJung (Hannah) Kang, Ph.D.; Jean Kirshner, Ph.D.; Heng-Yu Ku, Ph.D.; Christine Kyser, Ed.D.; Jody K. Lawrence, Ph.D.; Kimberly Arnold Mahovsky, Ed.D.; Madeline Milian, Ed.D.; Christine McConnell Moroye, Ph.D.; Deborah Romero, Ph.D.; Brian Rose, Ph.D.; Amanda Rutter, Ed.D.; Suzette Youngs, Ph.D.

**Professor Emeritus:** Thomas A. Griggs, Ph.D.; Kathleen O'Neil, Ph.D.; Susan A. Thompson, Ed.D.; Dana Walker, Ph.D.

**Cumbres** is a learning community and scholarship program for Latinx/Hispanic and other students that prepares them to teach with a Culturally and Linguistically Diverse Education (Grades K-12) Endorsement (p. 355) or a Culturally and Linguistically Diverse (CLD) Bilingual Education Specialist (Grades K-12) Endorsement (p. 354).

**Director:** Aldo Romero

**Location:** McKee 262

**Telephone:** 970.351.2417

**Center for Urban Education** has elementary, early childhood, and special education teacher preparation programs that lead students to a Bachelor's degree and Colorado teacher licensure.

**Director:** Rosanne Fulton

**Location:** 1059 Alton Way, Denver, Colorado 80230

**Telephone:** 303.637.4334

### Verifying Your Identity:

If you intend to apply for a Colorado Teacher License after completing a teaching licensure program at UNC, please note that the Colorado Department of Education (CDE) requires that you must open a COOL account with CDE and you must have a Social Security Number in order to open the COOL account. Please see the important information regarding "Setting up your COOL Account" at: [www.cde.state.co.us/cdeprof/fingerprints](http://www.cde.state.co.us/cdeprof/fingerprints). In addition, as part of the licensure process, CDE requires that you must affirm your identity. This affirmation is called "verifying your identity." Under CDE's current requirements, you cannot receive a Colorado Teacher License without "verifying your identity." Please see the important information regarding "Verifying Your Identity"



here: [www.cde.state.co.us/cdeprof/verification\\_identification](http://www.cde.state.co.us/cdeprof/verification_identification). You should check the two webpages above, and other webpages regarding Colorado Teacher Licensure, frequently for any changes.

**Course(s) Offered (Prefix):**

- ECLD — Culturally & Linguistically Diverse Education (p. 446)
- EDEC — Early Childhood Education (p. 449)
- EDEL — Elementary Education (p. 452)
- EDF — Foundations of Education (p. 454)
- EDFE — Educational Field Experiences (p. 455)
- EDNL — Education-New Literacies (p. 457)
- EDRD — Reading (p. 458)
- ELIT — Literacy Education (p. 463)
- ET — Education Technology (p. 474)
- STEP — Secondary Teacher Education Program (p. 578)

**For degree and program requirements, see:**

- **Bachelors Degrees**
  - Early Childhood B.A.
    - Liberal Arts Concentration (p. 174)
    - Licensure: Early Childhood Education (Ages Birth-8) (p. 175)
  - Elementary Education B.A.
    - Elementary Education Endorsement (K-6), Culturally and Linguistically Diverse Concentration (p. 192)
    - Elementary Education Endorsement (K-6), Education New Literacies Concentration (p. 194)
    - Elementary Education Endorsement (K-6), Mathematics Concentration (p. 197)
    - Elementary Education Endorsement (K-6), Performing and Visual Arts Concentration (p. 199)
    - Elementary Education Endorsement (K-6), Science Concentration (p. 202)
    - Elementary Education Endorsement (K-6), Social Studies Concentration (p. 204)
    - Elementary Education Endorsement (K-6), Special Education Concentration (p. 207)
    - NonLicensure Educational Studies Concentration (p. 209)
- **Licensure and Endorsements** (p. 351)
- **Minors**
  - Early Childhood Education (p. 375)
  - Elementary Education (p. 375)
  - Teaching English as a Second Language (p. 388)

## COLLEGE OF HUMANITIES AND SOCIAL SCIENCES (HSS)

### University Programs

Undergraduate Programs (p. 110)

### Office of the Dean

**Interim Dean:** James Doerner, Ph.D.

**Associate Dean:** Chris Marston, Ph.D.

**Location:** Candelaria 0215

**Telephone:** 970.351.2707

**Website:** [www.unco.edu/humanities-social-sciences](http://www.unco.edu/humanities-social-sciences)

The College of Humanities and Social Sciences offers a broad range of academic pursuits. Our major areas of study are organized in 14 units designated as schools, departments or programs. These various disciplines give students a fuller understanding of the past, present, and future roles of both the individual and society in shaping human experience. The humanities and the social sciences are cornerstones of a liberal arts education. In courses and other learning experiences provided by the college, students become familiar with the most significant accomplishments of the human intellect and spirit and gain appreciation for the potential we have as humans and as societies.

The humanities consider how systems of thought and knowledge have developed over time and how they continue to influence our decisions today. Humanistic inquiry asks how events in the past affect the present and how understanding the past can help us shape the future. The humanities produced the first thinkers who formally examined how different cultures and ethnicities approach common needs and how they express commonly held aspirations in diverse ways. Some humanities disciplines demonstrate how language mirrors our identity and opens windows to the world, while others study ways in which humans have learned to cooperate in order to articulate their values and accomplish their goals.

With goals closely related to those of the humanities, the social sciences view the world around us as a laboratory for observation, experimentation, and the advancement of new ideas and practices. Social scientists strive to understand the human capacity for adapting to changing environments and circumstances. Some disciplines examine systems of exchange, communication, and organization. Others study the ways in which humans identify and assert themselves as individuals and as groups, and they learn from the experiences and interaction among people in different times, circumstances, and places.

The College of Humanities and Social Sciences is committed to the liberal arts tradition of advancing human knowledge through serious scholarship, superior instruction, and the freedom of academic inquiry. The

faculty employs the latest teaching and learning technology while emphasizing accessibility and the benefits of student-teacher interaction. Humanities and Social Sciences majors are broadly educated to think critically and independently, to articulate ideas and appreciate diverse perspectives, and to exercise reason and make informed judgments. These tools prepare graduates for life in a complex world, help them enter a wide variety of professions, and lay the foundations for lifelong learning.

### Department of Anthropology

**Location:** Candelaria 2200

**Email:** [HSS@unco.edu](mailto:HSS@unco.edu)

**Website:** [www.unco.edu/hss/anthropology](http://www.unco.edu/hss/anthropology)

**Faculty:** Andrew T. Creekmore III, Ph.D.; Whitney L. Duncan, Ph.D.; Marian Hamilton, Ph.D.; Michael Kimball, Ph.D.; Britney Kyle, Ph.D.; Ather Zia, Ph.D.

**Emeritus Faculty:** Robert Brunswig, Ph.D.; Sally McBeth, Ph.D.; James A. Wanner, Ph.D.

#### Course(s) Offered (Prefix):

- ANT — Anthropology (p. 398)

#### Program(s) Offered:

- **Bachelors Degree**
  - Anthropology B.A. (p. 115)
- **Minors**
  - Anthropology (p. 365)
  - Anthropology: Multicultural Anthropology (p. 366)

The discipline of anthropology is subdivided into cultural/social anthropology, archaeology, biological anthropology, applied anthropology and anthropological linguistics. Anthropology faculty at UNC specialize in cultural/social anthropology, archaeology, and applied and biological anthropology.

Anthropology is the study of humans at all times and in all places. It investigates past human behavior and the evolutionary history of our species through the study of the archaeological record to understand cultural and biological change through time. Anthropology focuses on human culture to explore how cultures are similar and different across time and space. It offers a holistic perspective on what it means to be human and uses anthropological tools and perspectives to address pressing human problems.

Laboratory-based and hands-on classes in biological anthropology, archaeology, ethnology, applied and medical anthropology are a major focus of UNC Anthropology's instructional program. Courses examine culture in all areas of the world, and faculty have special expertise in the

Americas, Near East, and South Asia. In our instruction we stress social processes such as culture change, acquiring culture, ethnicity, urban anthropology, the interaction between biology, culture, and society, and current problems such as those related to conflict, immigrant rights, heritage loss, and climate change.

Students in Anthropology will gain the following skills in the specific subfields:

- Cultural Anthropology — Cultural awareness, participant observation, interviewing, listening, and ethnographic description, interpretation, and comparison in the development of ethnographic assessments.
- Biological Anthropology — Techniques for evaluating evolutionary change in human populations, analysis of the selective advantages of human variation in different environments, methods in forensic anthropology, and statistical methods in applied settings.
- Archaeology — Field and laboratory techniques, interpreting site and survey data, report writing, interdisciplinary approaches, integration of subfields in cultural resource management and heritage preservation.
- Applied Anthropology — research design, project management, ethnographic interviewing and content analysis, intercultural exchange, and heritage studies.
- Multicultural Studies — Multicultural awareness, critical thinking, empathy for others, ability to conceive and apply alternative interpretations to the contemporary problems of culturally diverse societies.

## Department of Chicana/o and Latinx Studies

**Location:** Candelaria 0140

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/programs/chicana-chicano-latinx-studies/](http://www.unco.edu/programs/chicana-chicano-latinx-studies/)

**Faculty:** Jonathan Alcantar, Ph.D.; Dennis Aguirre, Ph.D.

### Course(s) Offered (Prefix):

- MAS — Mexican American Studies (p. 511)
- MCS — Multicultural Studies (p. 516)

### Program(s) Offered:

- **Bachelors Degrees**
  - Mexican American Studies B.A.
    - Liberal Arts Concentration (p. 267)
    - Licensure: Social Studies (Grades 7-12) (p. 269)
- **Minors**
  - Mexican American Studies Minor (p. 382)

The Chicana/o and Latinx Studies Department is a gateway to career opportunity in Community Health, Globalization, Social Justice and public policy, youth advocacy or teacher education. Earn a BA in Mexican American Studies at the University of Northern Colorado.

Faculty are readily available for advising and consultation. Internships have been established and majors and minors are encouraged to participate. Freshman and sophomore students may take part in this program and many courses count for Liberal Arts Curriculum credit.

Current research interests of the faculty include:

- Border and Migration Studies
- Chicana/o Literature, Popular Culture and Film
- Chicana/o Movement
- Mexican American and Chicana/o Archival projects
- Social Justice and Public Policy
- Chicana/o and Latinx Students in Higher Education

## Department of Communication and Journalism

**Location:** Candelaria 1265

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/communication-studies/](http://www.unco.edu/hss/communication-studies/)

**Faculty:** Lynn Klyde-Allaman, Ph.D.; Linda S. Allen, Ph.D.; Thomas G. Endres, Ph.D.; Jarae Fulton, M.A.; Sherilyn R. Marrow, Ph.D.; Shawn Montano, B.A.; Heidi Muller, Ph.D.; David L. Palmer, Ph.D.; Charles E. Soukup, Ph.D.; David Staton, Ph.D.

### Course(s) Offered (Prefix):

- COMM — Communication Studies (p. 437)
- JMS — Journalism and Media Studies (p. 507)

### Program(s) Offered:

- **Bachelors Degrees**
  - Communication Studies B.A. (p. 168)
- **Minors**
  - Communication Studies (p. 372)

The focus of the communication discipline is on the process of human message exchange. Classes in communication studies (COMM) emphasize the examination of theories and research relevant to the field of communication and personal improvement in communication ability.

A Bachelor of Arts in Communication Studies prepares students with the knowledge and skills to be effective communicators in personal and professional settings. Coursework focuses on theoretical, analytic, and practical aspects of human interaction.

Students may elect to emphasize the study of communication studies in interpersonal, small group, educational, organizational, and intercultural contexts. Practical skills may be obtained in professional presentation, persuasion, leadership, and communication in the classroom. Students completing this program may elect to apply for graduate study in the field of communication, to apply to law or other professional schools, or to being a career in business or education.

- **Bachelors Degrees**
  - Journalism B.A. (p. 256)
- **Minors**
  - Media Studies Minor (p. 382)

Career preparation and understanding of mass media are two significant benefits of majoring in this discipline. Professionally-experienced, academically-qualified faculty members in each concentration provide opportunities for instruction and skills enhancement. Modern facilities include a full-UHD TV studio and a computerized news writing lab.

## Department of Criminology and Criminal Justice

**Location:** Candelaria 2249

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/criminology-criminal-justice

**Faculty:** Patrick Brady, Ph.D.; Paul Hawkins, Ph.D.; Brian Iannacchione, Ph.D.; Maria Pettolina, D.M.; Victoria Terranova, Ph.D.; Kyle C. Ward, Ph.D.

### Course(s) Offered (Prefix):

- CRJ — Criminology and Criminal Justice (p. 438)

### Program(s) Offered:

- **Bachelors Degrees**
  - Criminology and Criminal Justice B.A. (p. 170)
- **Minors**
  - Criminology and Criminal Justice (p. 373)

The Criminology and Criminal Justice program relies on the liberal arts tradition and social science to study crime, the criminal justice system, and society. Through coursework, advising and internship opportunities, students learn how to serve their communities in a variety of work settings, and become prepared for graduate school education.

## Department of Economics

**Location:** Candelaria 1281

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/economics/

**Faculty:** David R. Aske, Ph.D.; Mark Eiswerth, Ph.D.; Christopher McMahan, Ph.D.; Junpyo Park, Ph.D.; Dawit Senbet, Ph.D.

### Course(s) Offered (Prefix):

- ECON — Economics (p. 447)

### Program(s) Offered:

- **Bachelors Degrees**
  - Economics B.A.
    - Liberal Arts Concentration (p. 190)
    - Business Economics Concentration (p. 186)
    - Environmental Policy Concentration (p. 187)
    - International Economic Policy Concentration (p. 189)
- **Minors**
  - Economics (p. 375)

### Program Overview

Because it studies human behavior, economics is a social science. It is a quantitative, policy-related discipline. Economists seek to understand how economic agents (individuals, firms, and society) use scarce resources to satisfy their goals, on the one hand, and the consequences of those decisions, on the other hand.

The Department of Economics at the University of Northern Colorado offers a general Bachelor of Arts in Economics and the following Bachelor of Arts degrees with concentration in a given area:

- Bachelor of Arts in Economics with Concentration in Business Economics (for students who intend to either seek an MBA or work for business enterprises upon graduation).
- Bachelor of Arts in Economics with Concentration in Environmental Policy (for students who intend to seek graduate degrees in environmental economics or work on environmental issues in government or the private sector).
- Bachelor of Arts in Economics with Concentration in International Economic Policy (for students intending to seek advance degrees in international affairs or work with international organizations).

The Department also offers a minor in economics for students who intend to pursue careers or further education in fields that require a strong background in economics.

## Department of English

**Location:** Ross 1284

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/english/

**Faculty:** Roger Austin, Ph.D.; Stacy R. Bailey, Ph.D.; Kevin Bomely, M.A.; Kristin Bovaird-Abbo, Ph.D.; Yavanna Brownlee, Ph.D.; Joseph Chaves, Ph.D.; Sarah Cornish, Ph.D.; Molly Desjardins, Ph.D.; Lahcen E. Ezzaher, Ph.D.; Emily Golson, Ph.D.; Phillip Goodwin; Burke Hilsabeck, Ph.D.; Marc Santos, Ph.D.; Tracey A. Sedinger, Ph.D.; Tara Wood, Ph.D.; Lisa H. Zimmerman, M.F.A.

### Course(s) Offered (Prefix):

- EED — English Education (p. 462)
- ENG — English (p. 463)
- FILM — Film Studies (p. 475)
- HUM — Humanities (p. 496)

### Program(s) Offered:

- **Bachelors Degrees**
  - English B.A.
    - Liberal Arts Concentration (p. 211)
    - Writing, Editing, and Publishing Concentration (p. 213)
  - English Secondary Education B.A.
    - Culturally and Linguistically Diverse Education Concentration (p. 215)
    - English Language and Literature Concentration (p. 219)
    - Special Education Concentration (p. 222)
- **Minors**
  - English (p. 376)
  - Film Studies (p. 377)
  - Writing (p. 389)

The Department of English studies reading, writing, language, and culture. Its goal is literacy, the ability to interpret and contextualize acts of signification in relation to the specific conditions of their production and reception. The study of English grounds students in the knowledge and practice of literary interpretation and history, as well as rhetorical theory and practice. In addition, we train teachers in a variety of pedagogical models and require them to reflect critically upon the teaching profession and their place in it. We produce literate citizens and highly effective teachers.

We expect our students to acquire:

- Knowledge of canonical and non-canonical works in American and British literatures in their historical contexts;

- Understanding of major theoretical and critical approaches to the study of literature, film, and culture;
- Awareness of global perspectives in the study of language and literature;
- Familiarity with the structure and history of the English language;
- Proficiency in written and oral expression;
- Commitment to effective teaching of language and literature.

## Department of Geography, GIS, and Sustainability

**Location:** Candelaria 2200

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/geography-gis-sustainability

**Faculty:** Karen S. Barton, Meg du Bray, Ph.D.; Ph.D.; James P. Doerner, Ph.D.; Katherine M. Johnson, Ph.D.; Phil Klein, Ph.D.; Jieun Lee, Ph.D.; Chelsie Romulo, Ph.D.; Jessica Salo, Ph.D.

### Course(s) Offered (Prefix):

- ENST — Environmental Studies (p. 469)
- GEOG — Geography (p. 480)

### Program(s) Offered:

- **Bachelors Degrees**
  - Environmental and Sustainability Studies B.A. (p. 226)
  - Geography B.A.
    - Community Development Concentration (p. 228)
    - Field Studies Concentration (p. 230)
    - Geographic Information Science Concentration (p. 233)
    - Regional Studies Concentration (p. 235)
- **Minors**
  - Geographic Information Science (GIS) (p. 378)
  - Geography (p. 379)
  - Sustainability (p. 388)
- **Undergraduate Certificates**
  - GIS and Cartography Certificate (p. 360)
  - Drone Operations and Spatial Analytics Certificate (p. 359)

### Geography and GIS

Geography is the study of the social, environmental and locational processes that create diversity from place to place on the earth's surface.

Through the formal study of geography, students develop a perspective that helps to explain the reasons for and the

significance of local, regional and world patterns and analyzes the role of locational factors in human affairs.

All concentration areas provide the opportunity for directed independent study and actual experience as interns.

Geography facilities include a geographic information science laboratory. A large, well-organized map collection is available in Michener Library.

### **Environmental and Sustainability Studies**

The Environmental and Sustainability Studies major is an interdisciplinary program designed to help students understand and address the significant challenges facing a growing human population dependent on the natural resources of a finite planet.

It is ideal for those interested in the intersection between science, policy, and sustainability.

Students apply a wide array of disciplinary and interdisciplinary approaches to analyzing complex environmental and sustainability challenges.

Its focus on interconnected issues of sustainability can lead to, and complement, any number of career paths.

## **Department of History**

**Location:** Ross Hall 3270

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/history

**Faculty:** Joan L. Clinefelter, Ph.D.; Fritz Fischer, Ph.D.; Jamie Fogg, M.A.; Aaron Haberman, Ph.D.; Kelly Langley-Cook, M.A.; Jiacheng Liu, Ph.D.; Caitlin Monroe, Ph.D.; T.J. Tomlin, Ph.D.; Robert G. Weis, Ph.D.; Michael Welsh, Ph.D., Corinne Wieben, Ph.D.

### **Course(s) Offered (Prefix):**

- HIST — History (p. 490)
- SOSOC — Social Sciences (p. 573)

### **Program(s) Offered:**

- **Bachelors Degrees**
  - History B.A.
    - Liberal Arts Concentration (p. 241)
    - Licensure: Social Studies (Grades 7-12) (p. 244)
- **Minors**
  - History (p. 379)

The discipline of history concerns itself with the record of the human past, thereby forming an indispensable background for all other areas of knowledge, whether in the humanities, social sciences or sciences.

It is the role of the History program at UNC to offer a series of courses that address the significant events in the

human past for the purpose of liberally educating students from all areas of the University. The program has a second, but no less important, role in training teachers at both the graduate and undergraduate levels.

### **Scholarships**

Master's degree candidates are encouraged to apply for the Oliver M. Dickerson stipend presently established at \$1,000-\$4,000 per academic year. Application should be made to the Coordinator of Graduate Studies, Department of History, UNC, Greeley, CO 80639.

For additional resources: See "Financial Aid." (p. 14)

## **Department of Philosophy**

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/philosophy/

**Faculty:** Jeffrey M. Brown, J.D., Ph.D.; B. Bailie Peterson, Ph.D., Thomas A. Smith, Ph.D.

### **Course(s) Offered (Prefix):**

- PHIL — Philosophy (p. 546)

### **Program(s) Offered:**

- **Bachelors Degrees**
  - Philosophy B.A. (p. 303)
  - Philosophy B.A. — Ethics and Public Policy Concentration (p. 305)
- **Minors**
  - Ethics Social and Political Philosophy (p. 376)
  - Philosophy (p. 384)

Philosophy is the ongoing attempt to remain true to the spirit of the Socratic dictum: "The unexamined life is not worth living." As such, it entails serious reflection on all of our fundamental convictions and beliefs, with an eye in particular to the clarification of our most basic concepts and the discovery of reasons for regarding these convictions and beliefs as either true or false.

The Philosophy program places special emphasis on helping its students develop critical reasoning and reflective skills. In addition to courses required for our majors and minors, we offer a variety of courses that satisfy the requirements of UNC's Liberal Arts Curriculum. All of our 200- and 300- level offerings are designed to be accessible to non-majors, without prerequisites, as well.

## Department of Political Science and International Affairs

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/political-science-international-affairs/

**Faculty:** Brook Blair, Ph.D.; Richard Bownas, Ph.D.; Stan Luger, Ph.D.; Chelsea Welker, Ph.D.

### Course(s) Offered (Prefix):

- PSCI — Political Science (p. 551)

### Program(s) Offered:

- **Bachelors Degrees**
  - International Affairs B.A.
    - Area Studies Concentration (p. 252)
    - International Political Economy Concentration (p. 254)
  - Political Science B.A. (p. 315)
- **Minors**
  - Political Science (p. 385)
  - Legal Studies (p. 381)

Political Science studies the institutions and power relations that structure societies, along with sources of change. Political Scientists are, therefore, concerned with how public policy is made, its effects, and the values that undergird political thinking. The program emphasizes the development of critical thinking and writing skills. Our internship program allows students to get credit in a wide variety of governmental settings, from the local to the international, as well as on campaigns, with interest groups and other organizations.

The program values serious discussion of political issues among faculty and students and conducts many classes as discussions rather than as lectures. Instruction and research opportunities are offered in the art and science of politics and policymaking. Undergraduate research and instruction is conducted within four basic fields in political science:

- American government, politics and policy
- International relations, organizations and law
- Comparative politics and policy
- Political philosophy

## Department of Sociology

**Location:** Candelaria 2285

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/sociology/

**Faculty:** Rebecca A. Beals, Ph.D.; Eileen Connell, Ph.D.; Sandra Harmon, M.A., Angela Henderson, Ph.D.; Mel Moore, Ph.D.; Kyle Anne Nelson, Ph.D., M.P.H.; Harmony Newman, Ph.D.; Diane L. Schott, M.A.

### Course(s) Offered (Prefix):

- SOC — Sociology (p. 568)

### Program(s) Offered:

- **Bachelors Degrees**
  - Sociology B.A. (p. 320)
- **Minors**
  - Sociology (p. 386)

Sociology offers broad scope and relevance for research, theory and the application of knowledge to address social problems in virtually any work environment. Sociology prepares students with marketable skills for work in both public and private job sectors including the areas of education, health, government, social advocacy and research. Gain skills to seek positive social change and innovative solutions through analysis of the structure of society, the dynamics of culture and interaction, and the causes and consequences of human behavior.

### Program Overview

A Bachelor of Arts degree in Sociology includes an examination of basic theories and methods in sociology and the application of sociological knowledge to a specific concentration area of "Social Psychology, Family, & the Life Course," "Inequality & Institutions," or "Deviance & Social Control." The program includes the core courses in sociology, two theory and two research courses, as well as concentration and elective courses. Graduates will be prepared for employment in a variety of contexts such as advocacy, human services, government, education, program analysis, social research, and related areas.

## Department of World Languages and Cultures

**Location:** Candelaria Hall

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/world-languages-cultures/

**Faculty:** Enrique Bernales, Ph.D.; Karla Del Carpio, Ph.D.; Don Holman, Ph.D.; Michelle Low, Ph.D.; Erin Noelliste, Ph.D.; John Ryan, Ph.D.; Kaori Shimizu, Ph.D.

### Course(s) Offered (Prefix):

- ASIA — Asian Studies (p. 412)
- CHIN — Chinese (p. 435)
- EUR — European Languages and Cultures (p. 475)
- FL — Foreign Language (p. 476)
- FR — French (p. 479)
- GER — German (p. 486)
- JAPN — Japanese (p. 506)
- SPAN — Spanish (p. 573)
- WLC — World Languages & Cultures (p. 587)

### Program(s) Offered:

- **Bachelors Degrees**
  - Asian Studies B.A.
    - Liberal Arts Concentration (p. 122)
  - Spanish B.A.
    - Liberal Arts Concentration (p. 327)
    - Licensure: World Languages (Grades K-12) (p. 324)
- **Minors**
  - Asian Studies (p. 367)
  - Chinese (p. 371)
  - Japanese (p. 380)
  - Spanish (p. 386)

World Languages and Cultures offers students the opportunity to acquire the four language skills: speaking, listening, reading and writing, and to study the culture and literature of the country or countries where the languages are spoken. The department of World Languages and Cultures offers undergraduate degrees in Spanish with a concentration in secondary language teaching as an option, as well as an interdisciplinary majors in Asian Studies. Students may also complete minors in Asian Studies, Chinese, Japanese, or Spanish.

Since a high level of proficiency is necessary for most careers in the field of world languages, our classes are taught primarily in the target language and are performance-oriented. Conversational abilities are stressed at all levels. A number of advanced level skill-building courses are offered to promote the greatest fluency.

In addition to courses required for the majors and minors, World Languages and Cultures offers a variety of courses that satisfy the requirements of UNC's Liberal Arts Curriculum. Beginning and intermediate courses are available in Chinese, Japanese, and Spanish, as well as a selection of culture courses taught in English.

Extracurricular programs and activities are offered as an extension of our conventional classroom program. Conversation hours are regularly held at various locations on or near campus, giving students the opportunity to practice their foreign language. There are also several very active student clubs open to all interested parties.

To enhance acquisition of cultural and linguistic skills and to better prepare our students for their lives as global citizens, World Languages and Cultures offers a diverse range of exchange programs in China and Taiwan that provide any UNC student, including majors and minors the opportunity to develop their linguistic and cultural expertise in the country of their choice. Summer study abroad opportunities are also offered in Chinese and Japanese.

## Africana Studies

**Location:** Candelaria 0140

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/africana-studies

**Faculty:** George H. Junne, Jr., Ph.D.; Caitlin Monroe, Ph.D.

### Course(s) Offered (Prefix):

- AFS — Africana Studies (p. 397)
- MCS — Multicultural Studies (p. 516)

### Program(s) Offered:

- **Bachelors Degrees**
  - Africana Studies B.A. (p. 112)
- **Minors**
  - Africana Studies (p. 364)

The Africana Studies program's mission is to challenge and instruct undergraduate students to critically examine the historical, cultural, economic, political, intellectual and other multifaceted dimensions of African peoples around the world. Faculty value its commitment to diversity and creating opportunity for everyone. Furthermore, the program utilizes the teacher/scholar model to provide students with the opportunity to conduct original research.

As an academic discipline, the Africana Studies curriculum is divided into two foci: social and behavioral studies and cultural studies. Coursework in the social and behavioral studies focus includes such topics as history of African-descended people, nationalism, gender, cultural heritage, effects of racism and the social scientific study of Black/African-related communities. The cultural studies



focus emphasizes literature by authors of African descent, music, religion, gender, identity and the family.

## Gender Studies

**Location:** Candelaria 2285

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/gender-studies

**Faculty:** Harmony Newman, Ph.D.; Christine Talbot, Ph.D.; Ather Zia, Ph.D.

### Course(s) Offered (Prefix):

- GNDR — Gender Studies (p. 488)

### Program(s) Offered:

- Gender Studies Minor (p. 378)

The purpose of the UNC Gender Studies Program is to enable participants, as students and lifelong learners, to investigate gender issues through interdisciplinary approaches. We examine various ways in which race/ethnicity, class, sexuality, nationality, age, and ability affect how cultures create structures of gender, power, and inequality. The program equips participants to understand complexities of identity in the ever-changing context of their personal, political and social lives.

## Leadership Studies

**Location:** Candelaria 1265

**Email:** HSS@unco.edu

**Website:** www.unco.edu/leadership-studies/

### Course(s) Offered (Prefix):

- LEAD – Leadership Studies (p. 509)

### Program(s) Offered:

- Leadership Studies Minor (p. 380)

The purpose of the Leadership Studies Minor is to educate, motivate, and equip students to confront the challenges of leadership in a complex, connected and diverse world.

Students declared in the Leadership Studies minor will:

- Develop critical and strategic ways of understanding the complex human systems, including effective ways to turn analysis into planning and subsequent action.
- Recognize, understand, and adapt to emotional information in ways that maximize team-building, empathy, perspective-taking, and collaboration.
- Develop and practice a repertoire of decision-making skills, making optimal decisions based upon the unique social, economic, and cultural factors that characterize the situation.

- Demonstrate an understanding of both normative and applied ethics, including the role of justice in diverse contexts.

Leadership Studies Minor will complement any academic major at UNC and will serve as a meaningful contextual experience for most career fields.

# KENNETH W. MONFORT COLLEGE OF BUSINESS (MCB)

## University Programs

Undergraduate Programs (p. 110)

## Office of the Dean

**Interim Dean:** Keiko Krahnke, Ph.D.

**Associate Dean:**

**Location:** Kepner 2053

**Telephone:** 970.351.2764

**Website:** mcb.unco.edu

The Kenneth W. Monfort College of Business (MCB) offers a Bachelor of Science Degree in Business Administration with opportunities for students to pursue specialized study in the concentration areas of Accounting, Computer Information Systems, Finance, Management, Marketing and General Business. The College offers Minors in Business Administration, Computer Information Systems, Network and Information Systems Security, Entrepreneurship and Global Business.

The College of Business was established in the summer of 1968 as an autonomous degree-recommending unit, with a primary mission to provide education for business administration.

Recognized in 2000 by CCHE as a Colorado Program of Excellence, the College has become an integral part of the University and is committed to advancing the Mission, Goals and Values of UNC (as specified in earlier pages of this Catalog). The College's own mission statement has been developed to support that of the University.

## Introduction: Monfort College of Business

MCB offers a Bachelor of Science Degree in Business Administration. Highly-qualified faculty teach in reasonable class sizes (average of 30) in a technology-rich environment. The program is complemented by state-of-the-art learning facilities, an executive professor program, and an approach to learning that links theory with practice. MCB remains as the only business program in U.S. history to receive the **Malcolm Baldrige National Quality Award**.

## Mission Statement

To provide excellent primarily undergraduate and focused graduate business programs and related learning opportunities that prepare individuals for successful careers and responsible citizenship in a global society. We accomplish this by focusing our efforts in teaching, research and service to benefit student learning.

## College Learning Goals and Objectives

As part of the Monfort College of Business' continuous improvement efforts, it has developed the following learning goals and objectives. The outcomes related to these learning goals and objectives are measured and the results are reviewed by faculty. Corrective actions are taken as needed to ensure a superior learning experience for our students.

### MCB Learning Goals

Be knowledgeable of key concepts in core business curriculum

Be effective communicators

Demonstrate conceptual and analytical skills

Be proficient with technology

Demonstrate ethical awareness

Demonstrate global awareness

Be proficient with discipline-specific knowledge

### MCB Learning Objectives

Students will demonstrate a firm understanding of core business concepts.

Students will prepare and deliver quality presentations on a business topic.

Students will prepare quality business documents.

Students will analyze data and information to identify key problems, generate and evaluate appropriate alternatives, and propose a feasible alternative.

Students will demonstrate proficiency in common business software packages.

Students will identify the ethical issue or problem, analyze the consequences for various stakeholders, and develop an acceptable resolution.

Students will demonstrate an understanding of global business concepts.

Students will demonstrate a firm understanding of discipline-specific knowledge within their concentration.

Students will demonstrate competency with advanced topics within their concentration.

### AACSB Accreditation

The Monfort College holds AACSB-accredited status in business administration and accounting. AACSB International (The Association to Advance Collegiate Schools of Business) is the premier accrediting agency for business school quality in the U.S. The Monfort College's programs have been AACSB-accredited since 1992.

### MCB High School of Business

Students who complete all six (6) required courses in the MBA High School of Business™ and received a B or better in their coursework may request credit for completing the MBA High School of Business™ program. The courses required within the MBA High School of Business™ are: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, Principles of Management and Business Strategies. This awarded credit will, in effect, grant the student 3 credit hours of BA 150 Foundations of Business Thought (Liberal Arts Curriculum- Arts & Humanities).

To request the credit, please submit a legible copy of your MBA High School of Business™ Certificate of Completion along with a high school transcript indicating the MBA High School of Business™ courses with grades of B or better to the Office of the Registrar.

Students are not required to be business majors to be eligible to apply for the credit.

### MCB Advising Center

**Director of Academic Advising:** Rosa Law

**Location:** Kepner 1095

**Telephone:** 970.351.1233

The Monfort College of Business Advising Center provides admission and general academic advising services to all Business Administration majors and minors, as well as supplementary services for all other MCB academic programs and departments. The Advising Center monitors all admissions, transfer credits and continuation requirements.

The Advising Center provides information about the MCB Honors Programs for the College and also provides students with information on graduate study in Business Administration.

### Department of Accounting and Computer Information Systems

**Chair:** Jacob Rose, Ph.D.

#### Accounting Concentration

**Location:** Kepner 1095

**Telephone:** 970.351.1233

**Website:** [mcb.unco.edu/programs/business-administration/accounting.aspx](http://mcb.unco.edu/programs/business-administration/accounting.aspx)

**Faculty:** Anna Rose, Ph.D.; Jacob Rose, Ph.D.; Phillip D. Schaberl, Ph.D.; Lloyd "Pat" Seaton, Ph.D.; Jessica Weber, Ph.D.; William E. Wilcox, Ph.D.

#### Course(s) Offered (Prefix):

- BA — Business Administration (p. 414)
- BAAC — Accounting (p. 415)

#### Program(s) Offered:

- **Bachelors Degrees**
  - Business Administration B.S. – Accounting Concentration (p. 136)

### Computer Information Systems Concentration

**Location:** Kepner 1095

**Telephone:** 970.351.1233

**Website:** [mcb.unco.edu/programs/business-administration/computer-information-systems.aspx](http://mcb.unco.edu/programs/business-administration/computer-information-systems.aspx)

**Faculty:** Tabandeh Harraf, M.S.; Jay M. Lightfoot, Ph.D.; Muhanad "Moe" Manshad, M.S.

#### Course(s) Offered (Prefix):

- BA — Business Administration (p. 414)
- BACS — Computer Information Systems (p. 417)

#### Program(s) Offered:

- **Bachelors Degrees**
  - Business Administration B.S. – Computer Information Systems Concentration (p. 139)
- **Minors**
  - Computer Information Systems (p. 373)

### Department of Management

**Chair:** Isaac Wanasika, Ph.D.

#### Management Concentration

**Location:** Kepner 1090

**Telephone:** 970.351.1882

**Website:** [mcb.unco.edu/programs/business-administration/management.aspx](http://mcb.unco.edu/programs/business-administration/management.aspx)

**Faculty:** Daniela Dimitrov, Ed.D.; Abe Harraf, Ph.D.; Keiko Krahnke, Ph.D.; Milan D. Larson, Ph.D.; Dalong Ma, Ph.D.; Brandon William Soltwisch, Ph.D.; Isaac Wanasika, Ph.D.

#### Course(s) Offered (Prefix):

- BA — Business Administration (p. 414)
- BAMG — Management (p. 421)

**Program(s) Offered:**

- **Bachelors Degree**
  - Business Administration B.S. – Management Concentration (p. 147)
- **Undergraduate Certificates**
  - Entrepreneurship (p. 359)
  - Human Resource Management (p. 361)

**Recreation, Tourism and Hospitality**

**Coordinator:** James Gould, Ph.D.

**Location:** Kepner 1070A

**Telephone:** 970.351.2674

**Fax:** 970.351.1097

**Website:** [www.unco.edu/nhs/recreation-tourism-hospitality](http://www.unco.edu/nhs/recreation-tourism-hospitality)

**Faculty:** James Gould, Ph.D.

**Adjunct Faculty:** Julie Kennedy, MA

**Course(s) Offered (Prefix):**

- BA — Business Administration (p. 414)
- RTH — Recreation, Tourism and Hospitality (p. 557)

**Program(s) Offered:**

- **Bachelors Degrees**
  - Recreation, Tourism and Hospitality B.S. (p. 319)

The Recreation, Tourism and Hospitality Program has been training leisure and hospitality professionals for both public and private sector involvement since 1964. The program has been directly responsible for the professional preparation of nearly 2,000 students. Graduates have obtained positions with various organizations throughout the nation that include recreation center directors, event coordinators, hotel managers, travel agency planners, park rangers, tour guides, athletics supervisors and special event planners.

**Department of Finance**

**Chair:** Joseph J. French, Ph.D.

**Finance Concentration**

**Location:** Kepner 1055

**Telephone:** 970.351.2275

**Website:** [mcb.unco.edu/programs/business-administration/finance.aspx](http://mcb.unco.edu/programs/business-administration/finance.aspx)

**Faculty:** Cris de la Torre, Ph.D., J.D.; Joseph J. French, Ph.D.; Aaron Henrichsen, Ph.D.; Michael W. Martin, J.D., LL.M.; Christine A. McClatchey, Ph.D.

**Course(s) Offered (Prefix):**

- BA — Business Administration (p. 414)

- BAFN — Finance (p. 419)

**Program(s) Offered:**

- **Bachelors Degrees**
  - Business Administration B.S. – Finance Concentration (p. 142)

**Department of Marketing**

**Chair:** Denny McCorkle, D.B.A.

**Marketing Concentration**

**Location:** Kepner 1055

**Telephone:** 970.351.2275

**Website:** [mcb.unco.edu/programs/business-administration/marketing.aspx](http://mcb.unco.edu/programs/business-administration/marketing.aspx)

**Faculty:** Daniel Brannon, Ph.D.; R. “Vish” Vishwanathan Iyer, Ph.D.; Denny McCorkle, D.B.A.; James Reardon, Ph.D.

**Course(s) Offered (Prefix):**

- BA — Business Administration (p. 414)
- BAMK — Marketing (p. 424)

**Program(s) Offered:**

- **Bachelors Degree**
  - Business Administration B.S. – Marketing Concentration (p. 150)
- **Undergraduate Certificate**
  - Digital Marketing (p. 359)

**Other Programs in the Monfort College of Business**

General Business courses and faculty are dispersed throughout the various business departments.

**General Business Concentration****Course(s) Offered (Prefix):**

- BA — Business Administration (p. 414)

**Program(s) Offered:**

- **Bachelors Degrees**
  - Business Administration B.S. – General Business Concentration (p. 144)
- **Minors**
  - Business Administration (p. 370)
  - Global Business (p. 379)

## Software Engineering

### Course(s) Offered (*Prefix*):

- BACS — Computer Information Systems (p. 417)
- CS — Computer Science (p. 440)

### Program(s) Offered:

- **Bachelors Degrees**
  - Software Engineering B.S. (p. 322)

## Business Requirements

### Academic Honesty

MCB students are expected to conduct themselves in accordance with the highest standards of academic honesty. Cheating, plagiarism, illegitimate possession and disposition of examinations, alteration, forgery, or falsification of official records or documents and similar acts or the attempt to engage in such acts are grounds for disciplinary action.

This action can include any of the following, in addition to any University disciplinary action:

- A failing grade for an assignment.
- A failing grade for a class.
- Suspension from MCB
- Expulsion from MCB

Students are referred to the UNC Student Handbook as to details of “*University Standards of Conduct*” and “*Academic Expectations*.”

### Admission Requirements

Incoming freshman and transfer student admission align with UNC current admission standards.

Current UNC students with at least 15 semester hours with a cumulative GPA of at least 2.50 will be admitted to the business major.

Some students may qualify to submit an application for admission to a Business major. These students include current UNC students who have completed a total of 15 hours at UNC with a cumulative UNC GPA of 2.00-2.49. Students may apply at the MCB Advising Center located in Kepner 1095.

International students can obtain additional information about admission to the Monfort College of Business from the MCB Advising Center, 970.351.1233.

### Change of Major/Minor Requirements

UNC students may change their major to business provided that:

1. They have completed 15 semester hours of university level coursework at UNC.

2. They meet the Change of Major and Minor requirements established by the department in which they wish to take their business concentration. Copies of these requirements are available in MCB's Advising Center. Students must meet all department entrance requirements in effect at the time they apply for their business major or minor.

Students enrolled in the Fresh Start Program should contact MCB's Advising Center for information on program-specific policies regarding admission to MCB.

### Change of Business Concentration

Business majors in good academic standing may change from one business concentration to another by contacting the MCB Advising Center in Kepner 1095 or emailing MCB.Advising@unco.edu.

### Computing Proficiency

The College maintains a **computing proficiency requirement as a prerequisite to certain business courses**. It is expected that many students will have achieved this proficiency as they enter the program. All students may demonstrate this competency through:

- Earning a satisfactory grade in BACS 101 Business Computing (3) or its equivalent.

### Undergraduate Credit Overload Policy

Business students require approval of both their academic advisor and Department Chair for ANY overload regardless of GPA.

### Course Prerequisites

The student is held responsible for having met the current UNC Catalog prerequisites in all business courses for which they have registered. Students who register for business classes in which they do not have the prerequisites listed in the current UNC Catalog may be dropped from the class at any time by the instructor, department chair, or dean.

### Liberal Arts Curriculum Requirements

See University Liberal Arts Curriculum requirements. For specific LAC requirements for business students, see “Supporting Credits” listed under each business concentration.

### Graduation Requirements

The following requirements apply to the total credits required to complete a business degree, regardless of whether the courses were taken at UNC or in transfer.

To graduate with a baccalaureate degree in Business Administration a student must:

1. Complete a minimum of 120 semester hours of University coursework.

2. Satisfy all the following requirements:
  - a. University requirements (e.g., Liberal Arts Curriculum, etc.)
  - b. Monfort College of Business requirements (e.g., Required Major Credits, Elective Major Credits, Required Supporting Credits, etc.)
  - c. Elective coursework to bring the total to at least 120 semester hours.
3. No more than 12 semester credits of the Business Administration Core may be transferred in toward a Business Administration major. A maximum of 9 semester credits in 300/400-level Required Concentration Credits and Elective Concentration Credits and Business Electives can be transferred from other four-year institutions. Additionally, 6 credit hours of business electives may be transferred from other four-year institutions.
4. Attain a 2.0 or greater cumulative Business GPA and at least a "C-" grade in each individual Business Administration Core courses.
5. Minors: To graduate with any Minor within the Monfort College of Business, a student must attain a 2.0 or greater cumulative Business GPA, attain an overall 2.0 or greater GPA in the Minor declared and attain at least a "C-" grade in each individual business course required for the declared Minor.
6. All Business Administration students must satisfactorily complete a Professional Experience prior to graduation. A Professional Experience involves a student completing a minimum of 50 hours of work related to their academic concentration area and/or career goals, involving practical application of their upper-division coursework. Students must attend the required workshops and have earned at least 60 credit hours prior to engaging in a Professional Experience. Professional Experiences must be pre-approved by the Professional Experience Coordinator, via a student-employer agreement, before a student begins a Professional Experience and/or begins accruing work hours toward the minimum requirements. Satisfactory completion of a Professional Experience is determined by a student's supervisor evaluation(s) and student reflection paper. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the Professional Experience required workshops. More information about the required workshops, paperwork, and coordinator's contact information can be found through the Professional Experience website.

### **Incomplete Grades**

A grade of "I" is assigned when coursework is incomplete at the end of the semester and is used only when a student cannot fulfill their academic responsibilities during the last

week of a semester or because they missed the final examination due to sickness, emergency in the family, or other serious emergency.

### **Second Bachelor's Degree**

Students who have previously earned a bachelor's degree and seek to earn a second bachelor's degree in Business Administration must complete a minimum of 30 semester hours at UNC. Individuals should contact the MCB Advising Center for more information on the second bachelor's degree option.

### **Time Limitation on Credit Earned Toward a Bachelor's Degree**

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the department chair and college dean to determine its appropriateness to the major requirements.

### **Transfer Credit**

- No more than 12 semester credits of the Business Administration Core may be transferred in toward a Business Administration major.
- A maximum of 9 semester credits in 300/400-level Required Concentration Credits and Elective Concentration Credits can be transferred from other four-year institutions. Additionally, 6 credit hours of business electives may be transferred from other four-year institutions.
- UNC Business majors who plan to earn credit toward their degree from another institution must obtain **prior** written approval from their department chair and the MCB Advising Center, Kepner 1095, (970) 351-1233.
- Credit from other Colorado institutions as specified in the UNC Transfer Guides may be transferred at the time of admission to the College of Business. Transfer credit from other institutions will be evaluated for acceptance towards a UNC degree on an individual basis.
- The College offers business students a number of options for participating in an international student exchange program. Participation will require prior approval and may, in some instances, involve validation of courses taken at the foreign institution. All students interested in such programs should contact the MCB Advising Center for more information, 970.351.1233.

### **Transfer Statement for Business Minors**

All minors within the Monfort College of Business may transfer a maximum of 6 hours of coursework toward completion of the minor.

## Software Engineering Requirements

### Admission Requirements

Incoming freshman and transfer student admission align with UNC current admission standards.

Current UNC students with at least 15 semester hours with a cumulative GPA of at least 2.50 are guaranteed admission to the Software Engineering major.

Some students may qualify to submit an application for admission to a Software Engineering major. These students include current UNC students who have completed a total of 15 hours at UNC with a cumulative UNC GPA of 2.00-2.49. Students may apply at the MCB Advising Center located in Kepner 1095.

International students can obtain additional information about admission to the Monfort College of Business from the MCB Advising Center, 970.351.1233.

### Undergraduate Credit Overload Policy

Software Engineering students require approval of both their academic advisor and Department Chair for ANY overload regardless of GPA.

### Course Prerequisites

The student is held responsible for having met the current UNC Catalog prerequisites in all software engineering courses for which they have registered. Students who register for software engineering classes in which they do not have the prerequisites listed in the current UNC Catalog may be dropped from the class at any time by the instructor, department chair, or dean.

### Graduation Requirements

The following requirements apply to the total credits required to complete the Software Engineering, regardless of whether the courses were taken at UNC or in transfer. To graduate with a baccalaureate degree in Software Engineering, a student must

1. Complete a minimum of 120 semester hours of University coursework.
2. Satisfy all the following requirements:
  - a. University requirements (e.g., Liberal Arts Curriculum, etc.)
  - b. Software Engineering (e.g., Required Major Credits, Elective Major Credits, Required Supporting Credits, etc.)
  - c. Elective coursework to bring the total to at least 120 semester hours.
3. At least 50 percent of the Required Major credit hours in Software Engineering must be earned at UNC.

4. Attain a 2.0 or greater cumulative GPA and at least a "C-" grade in each individual Required Major and specified LAC course.

### Incomplete Grades

A grade of "I" is assigned when coursework is incomplete at the end of the semester and is used only when a student cannot fulfill their academic responsibilities during the last week of a semester or because they missed the final examination due to sickness, emergency in the family, or other serious emergency.

### Second Bachelor's Degree

Students who have previously earned a bachelor's degree and seek to earn a second bachelor's degree in Software Engineering must complete a minimum of 30 semester hours at UNC. Individuals should contact the MCB Advising Center for more information on the second bachelor's degree.

### Time Limitation on Credit Earned Toward a Bachelor's Degree

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

### Transfer Credit

- The Program requires that at least 50 percent of the Required Major credits in Software Engineering be earned at UNC. In addition, no more than 20 semester credits of the Required Major Courses may be transferred in toward a Software Engineering degree.
- A maximum of 9 semester credits in 300/400-level Required Major and Major Elective can be transferred from other four-year institutions. The Required Senior Project of BACS 488 or CS 497 may not be transferred from another institution.
- Credit from other Colorado institutions as specified in the UNC Transfer Guides may be transferred at the time of admission to the Software Engineering program. Transfer credit from other institutions will be evaluated for acceptance towards a UNC degree on an individual basis.

## COLLEGE OF NATURAL AND HEALTH SCIENCES (NHS)

### University Programs

Undergraduate Programs (p. 110)

### Office of the Dean

**Dean:** Kamel Haddad, Ph.D.

**Associate Dean:** Kim Murza, Ph.D.

**Associate Dean:** David Slykhuis, Ph.D.

**Location:** Gunter 1000

**Telephone:** 970.351.2877

**Fax:** 970.351.2176

The College of Natural and Health Sciences at the University of Northern Colorado serves the people of Colorado and the nation through the advancement and dissemination of fundamental knowledge, by providing high-quality undergraduate and graduate instruction, and by applying knowledge to solve problems in areas of natural and health sciences and science-related education. To achieve this mission, the College supports:

1. Foundational undergraduate education, academic degrees and professional preparation in natural, health, human and mathematical sciences to prepare students to understand and use these disciplines in their lives and careers in the 21st Century.
2. Focused graduate programs in Natural and Health Sciences and related areas of science education, preparing teachers, college professors, researchers, and other professionals.
3. Basic and applied research in all areas of the natural and health sciences represented in the college, including externally supported activities and both undergraduate and graduate research experiences.
4. K-12 teacher preparation in disciplines represented in the college.
5. Outreach and service programs supporting K-12 teachers and students, health and service professionals, schools, health care organizations, businesses and government agencies.

Programs in the College of Natural and Health Sciences are designed to prepare students for careers in science and industry, health care organizations, community and human service agencies, and schools. In addition, students can pursue pre-professional studies in dentistry, medicine, optometry, pharmacy, podiatry, veterinary medicine, chiropractic medicine, engineering, and education.

The College contains four Schools, seven Departments, and one Program:

- School of Biological Sciences
- Department of Chemistry and Biochemistry

- Department of Communication Sciences and Disorders
- Department of Community Health Education
- Department of Earth and Atmospheric Sciences
- Department of Kinesiology, Nutrition, and Dietetics
- School of Mathematical Sciences
- School of Nursing
- Department of Physics and Astronomy
- Department of Rehabilitation and Human Services

### School of Biological Sciences

**Director:** Mitchell E. McGlaughlin, Ph.D.

**Location:** Ross Hall 2480

**Telephone:** 970.351.2921

**Website:** [www.unco.edu/nhs/biology](http://www.unco.edu/nhs/biology)

**Faculty:** Lauryn Benedict, Ph.D.; Patrick Burns, Ph.D.; Gregory K. DeKrey, Ph.D.; Scott B. Franklin, Ph.D.; Susana K. Gomez, Ph.D.; Yuyan Han, Ph.D.; James Haughian, Ph.D.; Teresa M. Higgins, Ph.D.; Emily Holt, Ph.D.; Andrea James, Ph.D.; Judith Leatherman, Ph.D.; Stephen P. Mackessy, Ph.D.; Mitchell McGlaughlin, Ph.D.; Jennifer Parrish, Ph.D.; Nicholas Pullen, Ph.D.; Suzanne Rose, Ph.D.; Suzanne Rose, Ph.D.; Mark P. Thomas, Ph.D.

**Emeritus Faculty:** Rick Adams, Ph.D.; Warren R. Buss, Ph.D.; Catherine S. Gardiner, Ph.D.; Margaret E. Heimbrook, Ph.D.; Kathleen S. Jones, Ph.D.; Charles E. Olmsted, III, Ph.D.; Robert Reinsvold, Ph.D.; Gerald W. Saunders, Ph.D.

#### Course(s) Offered (Prefix):

- BIO — Biology (p. 426)
- SCI — Science (p. 560)

#### Program(s) Offered:

- **Bachelors Degrees**
  - Biological Sciences B.S.
    - Cell and Molecular Biology Concentration (p. 124)
    - Ecology and Evolutionary Biology Concentration (p. 126)
    - Liberal Arts Concentration (p. 129)
    - Pre-health and Biomedical Sciences Concentration (p. 131)
    - Licensure: Science (Grades 7-12) (p. 133)
- **Minors**
  - Biological Sciences Minor (p. 369)



The biological sciences study all aspects of life from subcellular processes to planetary ecosystems. All undergraduate programs require a core of common courses to provide students with a solid foundation in the diversity and cellular basis of life, structure and function, heredity and development, and how organisms interact with each other and with their environment. Thereafter, students choose an area of concentration that best suits their educational interests and goals. These concentration areas are pre-health and biomedical science, cellular and molecular biology, ecology and evolutionary biology, and biology secondary teaching.

Students are encouraged to participate in independent research projects or internships with both faculty members and agencies outside the university to gain experience not available in the classroom. Practical application and hands-on experiences are supported with extensive support facilities including animal maintenance and greenhouse facilities, a microscopy and genomics imaging suite, a museum and herbarium, extensive state-of-the-art teaching and research laboratories, and other core biotechnology equipment.

Field studies are encouraged, because there is ready access to both prairie and mountain habitats. Expertise and research interests of the faculty include systematics of plants, animals and microorganisms; genetics and evolution; molecular and cellular biology; animal behavior; reproductive biology; neurobiology; computational biology; plant biotechnology; toxicology and pharmacology; immunology and infectious disease; ecology; community and ecosystem structure; mammalogy; ornithology; plant and mammalian physiology; anatomy; and science and environmental education.

## Department of Chemistry and Biochemistry

**Contact:** Department of Chemistry and Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry-biochemistry/

**Faculty:** Aaron Apawu, Ph.D.; Corina Brown, Ph.D.; Bonnie Buss, Ph.D.; Aichun Dong, Ph.D.; Robert Houser, Ph.D.; Michael D. Mosher, Ph.D.; Murielle Watzky, Ph.D.; Melissa Weinrich, Ph.D.;

**Emeritus Faculty:** Clark L. Fields, Ph.D.; Henry W. Heikkinen, Ph.D.; Richard M. Hyslop, Ph.D.; Marlynn R. James, Ph.D.; Loretta L. Jones, Ph.D.; William G. Koch, Ph.D.; Roger A. Kovar, Ph.D.; Marcus K. Meilahn, Ph.D.; David L. Pringle, Ph.D.; James O. Schreck, Ph.D.; Richard W. Schwenz, Ph.D.; Jerry P. Suits, Ph.D.; Gordon E. Tomasi, Ph.D.

### Course(s) Offered (Prefix):

- BREW — Brewing Laboratory Sciences (p. 431)
- CHEM — Chemistry (p. 432)
- SCI — Science (p. 560)

### Program(s) Offered:

- **Bachelors Degrees**
  - Chemistry B.S.
    - Biochemistry Concentration (ACS Certified) (p. 152)
    - Chemistry Concentration (ACS Certified) (p. 154)
    - Forensic Science Concentration (p. 156)
    - Industrial Chemistry Concentration (p. 158)
    - Pre-Health Concentration (p. 160)
    - Licensure: Science (Grades 7-12) (p. 162)
- **Minors**
  - Chemistry: Liberal Arts (p. 370)
  - Chemistry: Teaching (p. 371)
  - Brewing Laboratory Science (p. 369)
- **Undergraduate Certificate**
  - Brewing Laboratory Science (p. 357)

The goal of the Chemistry program is to provide a high-quality education in chemistry for the following groups of students:

- Those who wish to become practicing chemists or to pursue professional programs that may build on a strong background in chemistry, such as pre-medicine, pre-pharmacy, or other health-related careers.
- Those whose career choices require a background in chemistry, such as nursing, dietetics and nutrition, biology.
- Those who elect to study chemistry as a part of their Liberal Arts Curriculum program.
- Those with a background in chemistry who wish to undertake advanced or graduate studies.

The chemistry faculty is committed to the attainment of this goal and has set excellence in instruction as its highest priority. Relatively small classes and dedicated teachers help accomplish this goal. Students and faculty have the opportunity to know each other very well. This facilitates obtaining help on an individual basis when it is needed for coursework and for program planning.

Undergraduate degrees in the program have been approved by the American Chemical Society since 1968. Individuals who elect to follow one of the approved programs receive certification upon graduation.

Although the Chemistry program has no formal division, the areas of analytical, biological, inorganic, organic and

physical chemistry and chemical education are well represented in the backgrounds of our faculty. This enables us to offer a well-balanced program.

The experimental aspects of chemistry are included as an integral part of all chemistry concentrations and are undertaken in laboratory facilities. Modern chemical instrumentation is available for student use. Students are taught how to operate these instruments and how to interpret and apply the results.

Research opportunities are available to chemistry students. Students work one-on-one with faculty on research projects in any of the areas of chemistry, biochemistry, or chemical education.

At the undergraduate level, students are required to work on independent research in their junior and senior years and to present their results in seminars and at the regional and national meetings of the American Chemical Society and the Colorado-Wyoming Academy of Science.

## Department of Communication Sciences and Disorders

**Acting Chair:** Kim Murza, Ph.D.

**Location:** Gunter 1400

**Telephone:** 970.351.2734

**Fax:** 970.351.2974

**Website:** [www.unco.edu/nhs/audiology-speech-language-sciences/](http://www.unco.edu/nhs/audiology-speech-language-sciences/)

**Faculty:** Diane Erdbruegger, Au.D.; Tina Farrell, M.A.; Donald S. Finan, Ph.D.; Erinn M. Jimmerson, Au.D.; Charles Lenell, Ph.D.; Deanna K. Meinke, Ph.D.; Kim A. Murza, Ph.D.; Caitlin Raaz, Ph.D.; Nicole Reisfeld, SLPD

**Emeritus Faculty:** Donna J. Bottenberg, Ph.D.; Kathryn E. Bright, Ph.D.; Linda K. Cleeland, M.Ed.; Kathleen R. Fahey, Ph.D.; Ellen Meyer Gregg, Ph.D.; Francis A. Griffith, Ph.D.; Julie A. Hanks, Ed.D.; Jennifer E. Weber, Au.D.

### Course(s) Offered (Prefix):

- CSD —Communication Sciences and Disorders (p. 443)

### Program(s) Offered:

- **Bachelors Degrees**
  - Communication Sciences and Disorders – (p. 164) B.S. (p. 164)
  - Second Baccalaureate (p. 166)
- **Minors**
  - Communication Sciences and Disorders (p. 372)

Communication Sciences and Disorders (CSD) offers several clinically-focused degree programs that lead to a variety of career pathways and/or graduate studies. Specifically, graduates are prepared for

employment or further education in fields such as speech-language pathology, audiology, healthcare, human services, public health, and special education. Undergraduates may also participate in the speech-language pathology assistant (SLPA) professional certificate program. Students within CSD have opportunities to observe and work with patients in the on-campus Speech-Language Pathology and Audiology Clinic.

## Department of Earth and Atmospheric Sciences

**Chair:** Timothy Grover, Ph.D.

**Location:** Ross Hall 3235

**Telephone:** 970.351.2647

**Fax:** 970.351.4197

**Website:** [www.unco.edu/nhs/earth-atmospheric-sciences/](http://www.unco.edu/nhs/earth-atmospheric-sciences/)

**Faculty:** Steven Anderson, Ph.D.; Graham B. Baird, Ph.D.; Sharon Bywater-Reyes, Ph.D.; Joe T. Elkins, Ph.D.; Emmett Evanoff, Ph.D.; Wendilyn Flynn, Ph.D.; David Lerach, Ph.D.; Lucinda Shellito, Ph.D.; Byron M. Straw, M.A.

### Course(s) Offered (Prefix):

- ESCI — Earth Sciences (p. 473)
- GEOL — Geology (p. 484)
- MET — Meteorology (p. 517)
- OCN — Oceanography (p. 545)
- SCI — Science (p. 560)

### Program(s) Offered:

- **Bachelors Degrees**
  - Earth Sciences B.S.
    - Environmental Earth Sciences Concentration (p. 178)
    - Geology Concentration (p. 180)
    - Meteorology Concentration (p. 181)
    - Licensure: Science (Grades 7-12) (p. 183)
- **Minors**
  - Earth Sciences (p. 375)

The Department of Earth and Atmospheric Sciences includes the disciplines of geology, meteorology, oceanography and environmental sciences. Geology is the study of the earth, its structure, composition and history. Meteorology is the study of the atmosphere and the weather phenomena that affect our daily lives. Oceanography is the study of the physical, chemical and biologic characteristics of the world's oceans. Environmental science synthesizes knowledge from various fields and applies it to solving a wide variety of environmental problems. The undergraduate program in

the earth sciences provides preparation for professional careers in geology, meteorology, secondary-level earth science teaching and the environmental industry.

The graduate program is designed to meet the needs and interests of individuals who wish to expand their knowledge of the earth sciences as science teachers or in other careers that require a knowledge of the earth sciences.

The Department of Earth and Atmospheric Sciences emphasizes the integration of field and laboratory study and students are encouraged to undertake independent research projects and internships.

## Department of Kinesiology, Nutrition, and Dietetics

**Director: David S. Hydock, Ph.D.**

**Location:** Gunter 2590

**Telephone:** 970.351.2755

**Fax:** 970.351.1489

**Website:** [www.unco.edu/nhs/nutrition-dietetics/](http://www.unco.edu/nhs/nutrition-dietetics/)

**Website:** [www.unco.edu/nhs/sport-exercise-science/](http://www.unco.edu/nhs/sport-exercise-science/)

**Faculty:** Lisa C. Caldwell, M.S., R.D.N.; Shannon M. Courtney, M.A.; Brian D. Dauenhauer, Ph.D.; Scott Douglas, Ph.D.; Abbie Ferris, Ph.D.; Catherine A. Gerweck, D.M.D., M.S., R.D.N.; J. Reid Hayward, Ph.D.; Gary D. Heise, Ph.D.; David S. Hydock, Ph.D.; Jennifer M. Krause, Ph.D.; Jaimie McMullen, Ph.D., Alan Morse, Ph.D.; Nicholas Slagel, Ph.D., R.D.N.; Jeremy D. Smith, Ph.D.; Megan Babkes Stellino, Ed.D.; Laura Stewart, Ph.D.; Yoon Tae Sung, Ph.D., James V. Turk, M.S., Sara Wings, Ph.D.; Nicole A. Withrow, Ph.D., R.D.N.

**Emeritus Faculty:** Mary A. Behling, Ph.D.; Robert Blasi, M.A.; Cynthia Carlisle, Ed.D.; Carolyn A. Cody, Ph.D.; Alana D. Cline, Ph.D., R.D.; Carolyn Ann Dennehy, Ph.D.; Norma E. Egeness, M.A.; Jamie M. Erskine, Ph.D., R.D.N.; Margaret E. Everett, M.A.; Constance C. Francis, Ph.D., R.D.N.; Clara E. Funderburk, M.A.; Sherrie L. Frye, Ph.D.; Susan M. Gould, Ph.D., R.D.N.; Dianna P. Gray, Ph.D.; Rhonda Foss Hall, M.A.; Nancy Hinrichs, M.A.; Christy A. Howard, M.S.; Joyce C. Kliever, Ed.D.; Theresa M. Malumphy, Ph.D.; Jani Malkiewicz, M.A.; Harold L. McKain, Jr., Ph.D.; Eleanor M. Peiffer, Ed.D.; D. Allen Phillips, Ed.D.; Tim B. Ramsey, M.A.; Linda A. Sharp, B.A., Ed.D.; Judith Stauter, M.S., R.D.N.; Doris C. Steffy, M.A.; Jim Stiehl, Ph.D.; David K. Stotlar, Ed.D.; JoAnn Taylor, Ed.D.; Nancy Van Anne, Ph.D.; Thurman Wright, D.P.E.

### Course(s) Offered (Prefix):

- FND — Food, Nutrition and Dietetics (p. 476)
- SES — Sport and Exercise Science (p. 561)

### Program(s) Offered:

- **Bachelors Degrees**
  - Dietetics B.S. (p. 172)
  - Nutrition B.S. (p. 301)
- **Minor**
  - Nutrition Minor (p. 384)
- **Undergraduate Certificate**
  - Didactic Dietetics (p. 358)

The Dietetics and Nutrition majors offer a wide range of studies applicable to community health, intervention for health conditions, disease prevention, and wellness programs, as well as business settings dealing with food service, marketing, safety, and product development.

These majors are useful for students interested in health maintenance and rehabilitation through the science of nutrition. Physiological, biochemical and behavioral sciences provide the foundation for study. Because of the strong science base, these majors are supportive of advanced degrees in several health fields. The Dietetics major is accredited to provide a means for students to become Registered Dietitian Nutritionists while the Nutrition major provides flexibility to be tailored to specific interests and applications that fit student goals.

- **Bachelors Degrees**
  - Sport and Exercise Science B.S.
    - Exercise Science Concentration (p. 335)
    - Human Performance Concentration (p. 337)
    - Licensure: Physical Education (Grades K-12) (p. 338)
    - Sport Administration Concentration (p. 341)
- **Minors**
  - Sport and Exercise Science: Sport Coaching (p. 387)
  - Sport and Exercise Science: Physical Education (K-12) Teaching (p. 388)

**The Department of Kinesiology, Nutrition, and Dietetics** has a long and distinguished history of preparing individuals to assume leadership roles in sport and physical activity settings, and subscribes to the philosophy that physical activity and sport contribute to the overall quality of life. To this end, the School offers a variety of majors that provide students with the necessary coursework and experience to serve as a foundation for careers in the professions of athletic training, physical education teaching, sports coaching, and exercise science. Specific majors and minors include:

### Undergraduate majors:

**B.S. in Sport and Exercise Science** with concentration areas in the following:

- **Physical Education K-12 (Teaching)** — Students who pursue and complete the PE K-12 Concentration will obtain licensure to teach at the elementary, middle or high school settings.
- **Exercise Science** - Undergraduates will complete major course work in biology, chemistry, anatomy, physiology, physics, biomechanics, exercise physiology, assessment and programming, and then have the option to complete pre-requisite courses for a variety of graduate and professional schools. Students will also be required to complete a 6-credit internship. Students who successfully complete the program will be prepared for admission to physical therapy, occupational therapy, physician's assistant, and chiropractic schools. Students will also be prepared to continue their education in a wide range of graduate programs such as athletic training, exercise physiology, biomechanics and rehabilitation science
- **Human Performance** - Undergraduates will complete major course work in anatomy, physiology, chemistry, biomechanics, exercise physiology, exercise psychology, motor control, and assessment and programming. Students will be required to complete a 12-credit internship in order to complete the degree requirements. Graduates in the Human Performance concentration can anticipate career opportunities in private and corporate fitness/health clubs, personal training, cardiac rehabilitation, cancer rehabilitation, health promotion and sales, gerontological fitness, and conditioning of athletes.
- **Sport Administration** - Students will complete major course work in diverse areas which will combine sport-specific content and administrative practices to prepare for the continually changing world of sport administration. Undergraduates in the Sport Administration concentration will be required to complete a Business minor and a 12-credit internship in order to complete the degree requirements. Graduates of the Sport Administration concentration can anticipate a variety of career opportunities within the sport industry such as development, marketing, event staffing, facility management, sales, operations and/or other management positions in sport organizations.

The undergraduate curriculum is comprised of both required and elective courses that provide opportunities for developing expertise in understanding human movement from early childhood through adulthood. Courses provide a scientific basis for the study of physical activity, emphasizing theoretical and practical approaches to the development and improvement of human performance. Each concentration provides classroom, field, laboratory and supervised practical experiences.

## School of Mathematical Sciences

**Director:** Jodie Dawn Novak, Ph.D.

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

**Faculty:** Anton Dzhamay, Ph.D.; Nathaniel Eldredge, Ph.D.; Nancy Geisendorfer, M.A.; Christopher Harris, Ph.D.; Gulden Karakok, Ph.D.; Oscar Levin, Ph.D.; Nathaniel G. Miller, Ph.D.; Katherine Morrison, Ph.D.; Jodie Dawn Novak, Ph.D.; Robert A. Powers, Ed.D.; Lindsay Reiten, Ph.D.; Angela (Tisi) Steele, M.A.

**Emeritus Faculty:** Dean E. Allison, Ph.D.; William W. Bosch, Ph.D.; Donald D. Elliott, Ph.D.; Jeffrey D. Farmer, Ph.D.; Richard M. Grassl, Ph.D.; Samuel R. Houston, Ph.D.; Steven C. Leth, Ph.D.; William D. Popejoy, Ed.D.; Donald L. Schmidt, Ph.D.; Terry A. Scott, Ph.D.; Donald T. Searls, Ph.D.; Igor Szczyrba, Ph.D.; Robert A. Tolar, Ph.D.

### Course(s) Offered (Prefix):

- CS — Computer Science (p. 440)
- MATH — Mathematics (p. 512)
- MED — Mathematics Education (p. 516)
- STAT — Statistics (p. 575)

### Program(s) Offered:

- **Bachelors Degrees**
  - Mathematics B.S.
    - Computer Science Concentration (p. 257)
    - Licensure: Middle School Mathematics (Grades 6-8) (p. 259)
    - Pure and Applied Mathematical Sciences Concentration (p. 261)
    - Licensure: Mathematics (Grades 7-12) (p. 263)
    - Statistics and Data Science Concentration (p. 265)
  - Computer Science B.S. (p. 169)
  - Statistics B.S. (p. 342)
- **Minors**
  - Applied Statistics (p. 367)
  - Computer Science (p. 373)
  - Mathematics: Liberal Arts (p. 381)
  - Mathematics: Secondary Mathematics Teaching, Grades 7-12 (p. 382)

Mathematics and related areas have been important human endeavors since ancient times. Mathematics is a discipline with its own questions, methods and content. It has also been used as a tool to explain the natural world for centuries. Mathematics, statistics and computer science have become essential to almost every other discipline

such as the natural sciences, the social sciences, business, and economics.

The School of Mathematical Sciences has faculty in mathematics, mathematics education, statistics and computer science. We offer a variety of undergraduate and graduate programs in these areas. In addition, courses and minors that we offer can be used as important components of a variety of other programs across the university.

## School of Nursing

**Director:** Melissa Henry, Ph.D.

**Location:** Gunter 3080

**Telephone:** 970.351.2293

**Fax:** 970.351.1707

**Website:** [www.unco.edu/nhs/nursing](http://www.unco.edu/nhs/nursing)

**Faculty:** Michael Aldridge, Ph.D.; Diana Becker, M.S.N.; Carolyn Bottone-Post, D.N.P.; Darcy A. Copeland, Ph.D.; Erin Cummins, M.S.N.; Kathleen N. Dunem, Ph.D.; Barbara Garrity, M.S.N.; Lindsay Green, DNP; Courtney Gryskiewicz, M.S.N.; Mona Hebesly, PhD; Melissa L. Henry, Ph.D.; Laura Henson, M.S.N.; Stephanie Krall, M.S.N.; Mark Longshore, PhD; Carlo G. Parker, Ph.D.; Natalie Pool, Ph.D.; Kathie Records, Ph.D.; Teresa Risser, M.S.N.; Deborah E. Rojas, M.S.N.; Michaela Romero, D.N.P.

**Emeritus Faculty:** Nancy Quinn Beardslee, Ed.D.; Agnes Biegel, M.S.N.; Audrey J. Bopp, M.S.; Adah Bossart, M.S.; Lory Clukey, Ph.D, Psy.D.; Priscilla A. Faulkner, M.S.; Faye I. Hummel, Ph.D.; Joan T. Hurlock, M.S.; Virginia Kinnick, Ed.D.; Jane E. Koeckeritz, Ph.D.; Debra Leners, Ph.D.; Janice Hoot Martin, Ph.D.; Jeanette McNeill, DrPH; Alison S. Merrill, Ph.D.; Diane Peters, Ph.D.; Judith Richter, Ph.D.; Carol Roehrs, Ph.D.; Nancy E. White, Ph.D.; Vicki W. Wilson, Ph.D.

### Course(s) Offered (Prefix):

- NURS — Nursing (p. 541)

### Program(s) Offered:

- **Nursing B.S.N.** (p. 295)

The School of Nursing subscribes to the philosophy that nursing is both an art and a science which promotes, supports and restores optimal health in individuals, families and communities. Nursing is a caring profession that is an integral component of the health care delivery system.

The undergraduate program in nursing is a nine (9) semester program (4 years including one summer) leading to a Bachelor of Science in Nursing degree. Qualified students are prepared to be professional nurses and receive a foundation for graduate study in nursing.

Nursing students have a variety of clinical experiences in hospitals, nursing homes, industry, schools and community

agencies, primarily in northeastern Colorado communities. Clinical practice is concurrent with nursing theory (classes) and is guided by nursing faculty. Health clearance, OSHA requirements, and CPR certification are required.

RN-BSN (Registered Nurse Seeking Bachelor of Science in Nursing) (p. 299): Graduates of state-approved diploma or associate degree programs in nursing are eligible to apply for admission to the on-line baccalaureate program in nursing. The program to be pursued by R.N. students has been designed to be as flexible and responsive to individual student needs as possible, within the constraints and resources of the School of Nursing.

## Department of Physics and Astronomy

**Chair:** Cynthia S. Galovich, Ph.D.

**Location:** Ross Hall 0232

**Telephone:** 970.351.2961

**Website:** [www.unco.edu/nhs/physics-astronomy/](http://www.unco.edu/nhs/physics-astronomy/)

**Faculty:** Jan L. Chaloupka, Ph.D.; Tyler A. Engstrom, Ph.D.; Ansel J. Foxley, M.S.; Cynthia S. Galovich, Ph.D.; Charles A. Kuehn, Ph.D.; Mariana Lazarova, Ph.D.; Matthew Semak, Ph.D.

**Emeritus Faculty:** Richard D. Dietz, Ph.D.; Ruwang Sung, Ph.D.; Robert A. Walch, Ph.D.; Courtney W. Willis, Ph.D.

### Course(s) Offered (Prefix):

- AST — Astronomy (p. 413)
- PHYS — Physics (p. 548)
- SCI — Science (p. 560)

### Program(s) Offered:

- **Bachelors Degrees**
  - Physics B.S. (p. 307)
    - Astronomy Concentration (p. 308)
    - Engineering Physics Concentration (p. 310)
    - Mathematical Physics Concentration (p. 311)
    - Licensure: Science (Grades 7-12) (p. 313)
- **Minors**
  - Physics Minor (p. 384)
- **Pre-Degrees**
  - Engineering (Pre-Engineering) (p. 390)

Small, personalized classes are a hallmark of the Department of Physics and Astronomy. The student is assured of consideration and expert guidance, with opportunities to thoroughly develop personal skills at a pace compatible with needs. From the earliest to the most advanced physics courses, the student has direct contact with faculty members.

Research experience is considered to be an essential part of the undergraduate degree. Students become involved in their own research projects under faculty guidance. These studies extend over two or more semesters and are sometimes pursued through cooperation with investigations in industry, government laboratories, or other universities.

The Department of Physics and Astronomy has well-equipped astronomy, electronics, optics, and introductory physics labs, and computer use is integrated throughout the curriculum. Each lab has several computers dedicated to data acquisition and analysis and students have access to software such as MATLAB, SOLIDWORKS, and LabVIEW. In addition, there are several resources available for undergraduate research, including research stipends, a student machine shop, a 3D printing lab, and observational astronomy, audio, high-speed imaging, nuclear, and optics equipment.

## Department of Rehabilitation and Human Services

**Interim Chair:** David Greene, Ph.D.

**Location:** Gunter 1250

**Telephone:** 970.351.2403

**Fax:** 970.351.1255

**Website:** [www.unco.edu/nhs/human-services/](http://www.unco.edu/nhs/human-services/)

**Faculty:** Jill Bezyak, Ph.D.; Elizabeth A. Gilbert, Ed.D.; David Greene, Ph.D.; Rose Grose, Ph.D.; Erin Moser, Ph.D.; Katherine E. O'Hara, Ph.D.; Aryn Taylor, Ph.D.

**Emeritus Faculty:** Joseph N. Ososkie, Ph.D.

### Course(s) Offered (Prefix):

- HUSR — Human Services (p. 497)

### Program(s) Offered:

- **Bachelors Degrees**
  - Human Services B.S. (p. 249)
- **Minors**
  - Human Services (p. 380)

The Human Services program provides a comprehensive understanding of the techniques and theories in the helping professions. You will master the skills needed to solve real-world problems using a variety of human services methods. The undergraduate degree in Human Services provides students with the skills to be able to work in a variety of human services settings. Students take a core curriculum that provides a liberal arts education and the tools needed to be a successful professional. Students also select from among multidisciplinary courses across a variety of human services content areas. A hallmark of this program is the fieldwork experiences integrated into course requirements.

## Science Education Programs

**Coordinator:** David A. Slykhuis, Ph.D.

**Location:** Ross Hall 1212

**Telephone:** 970.351.3036

**Website:** [www.unco.edu/nhs/science/](http://www.unco.edu/nhs/science/)

### Course(s) Offered (Prefix):

- SCED — Science Education (p. 559)
- SCI — Science (p. 560)

Science Education Programs at the University of Northern Colorado provide undergraduate students the extensive knowledge and experience in science education needed to achieve teaching licensure upon successful completion of the program. Students in science education come from many different units on campus, including Biology, Chemistry, Earth Science, Elementary Education, and Physics.

Science Education also maintains a graduate program for those wishing to further their knowledge and mastery of teaching the sciences. Science Education collaborates closely with the Mathematics and Science Teaching (MAST) Institute as well as the School of Education in the College of Education and Behavioral Sciences.

## COLLEGE OF PERFORMING AND VISUAL ARTS (PVA)

### University Programs

Undergraduate Programs (p. 110)

#### Office of the Dean

**Dean:** Cristina Goletti, M.F.A.

**Associate Dean:** Melissa Malde, D.M.A.

**Location:** Guggenheim 206

**Telephone:** 970.351.2515

The University of Northern Colorado's College of Performing and Visual Arts draws on the extensive resources of the University and the Front Range region of Colorado to provide an outstanding milieu conducive to the development of arts professionals. Our students have transformative and inspiring experiences in a first-class environment that includes advanced technology laboratories in all the arts, contemporary dance studios, traditional and experimental theatre spaces, unparalleled music resources, and studios in the diverse disciplines of the visual arts. The College combines the best of the time-honored academy tradition and the most current and prescient ideas in the arts with the liberal arts education of a major university.

The College of Performing and Visual Arts has an exceptional reputation for offering in-depth study of music, theatre arts, dance, and art and design. The College offers undergraduate and graduate degrees, as well as lifelong learning programs that integrate up-to-date facilities, accessible and highly acclaimed faculty members, practicum experiences with leading arts agencies, and the rich cultural attractions of the region into a well rounded and valuable curriculum.

Whether you are interested in becoming a high school art teacher, an orchestra conductor, a choreographer of modern dance, a stage manager, graphic designer, composer of contemporary jazz, a performance artist, actor, or any one of hundreds of arts professions, you will find the University of Northern Colorado the place to expand and nurture your talent. If you choose to join the College, and its distinguished and accomplished faculty, you will be following in the footsteps of alumni who have been succeeding in and creating the arts of today and the future.

### School of Art and Design

**Director:** Donna Goodwin, Ph.D.

**Location:** Guggenheim

**Telephone:** 970.351.2993

**Website:** arts.unco.edu/art

**Faculty:** Samuel Dong Saul, M.F.A.; Lauren Eisen, M.F.A.; Mark Fetkewicz, M.F.A.; Kiki Gilderhus, Ph.D.; Donna Goodwin, Ph.D.; Michael Lemke M.F.A.; Andrew Liccardo, M.F.A.; Hye Jeong Park, Ph.D.; Connie Stewart, Ph.D.; Anna Ursyn, Ph.D.

#### Course(s) Offered (Prefix):

- ART — Art & Design (p. 401)

#### Program(s) Offered:

- **Bachelors Degrees**
  - Art & Design B.A.
    - Art Studio Concentration (p. 117)
    - Graphic Design Concentration (p. 118)
    - Licensure: Visual Art (Grades K-12) (p. 120)
- **Minors**
  - Art History (p. 367)
  - Art Studio (p. 367)
- **Undergraduate Certificate**
  - Arts Entrepreneurship (p. 357)

The School of Art & Design offers the opportunity to study the artistic aspects of our heritage, our culture, visual communications and personal artistic expression, as well as the arts of other cultures and civilizations. It is the purpose of the school to provide a comprehensive education in the visual arts through studio practice, art history, cultural studies, and critical studies.

Students learn to produce works of art in a variety of media and to understand the processes of various art forms as they relate to personal expression and professional application. Through the programs of the School of Art & Design, students learn to analyze and make reasoned, critical judgments about the significance and quality of works of art. This approach gives students an excellent background for recognizing and understanding art in context, which is necessary preparation for many careers in the visual arts.

In addition, students pursuing Art Education will have demonstrated ability to teach art effectively in grades K-12.

**Admission:** Academic Good Standing.

## School of Music

**Director:** Carissa Reddick, Ph.D.

**Associate Director:** Erik Applegate, M.M.

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Website:** arts.unco.edu/music/

**Faculty:** John Adler, D.M.A.; Erik Applegate, M.M.; Jonathan Bellman, D.M.A.; Mary Kathryn Brewer, D.A.; Wesley Broadnax, Ph.D.; Jill Burleson Burgett, D.A.; Brian Casey, D.M.A.; Clelyn Chapin, D.M.A.; Logan Contreras, D.M.A.; Andrew Dahlke, D.M.A.; Janice Dickensheets, D.A.; Ludek Drizhal, M.M.; Paul Elwood, Ph.D.; Daniel Farr, D.M.A.; Lindsay Fulcher, Ph.D.; Jubal Fulks, D.M.A.; Socrates Garcia, D.A.; James Hall, D.M.A.; Lauren Jacobson, M.M.; Deborah Kauffman, D.M.A.; Stephen Kovalcheck, D.M.A.; Reiner Krämer, Ph.D.; Dana B. Landry, M.M.; HeeSeung Lee, Ph.D.; Brian Clay Luedloff, M.F.A.; Melissa Malde, D.M.A.; Joe McAllister, D.A.; Charles Moore, D.M.A.; Sally Murphy, D.M.; Sarah Off-Fixmer, D.M.A.; Michael Oravitz, Ph.D.; Carissa Reddick, Ph.D.; Krissie Weimer, Ph.D.; Leo Welch, D.M.; Lei Weng, D.M.A.; James White, M.A.; Nathaniel G. Wickham, D.M.A.; Shawn Williams, D.A.; William Wilson, M.M.; Drew Zaremba, M.M.; Adam Zukiewicz, D.M.A.

### Course(s) Offered (Prefix):

- MUS — Music (p. 523)

### Program(s) Offered:

#### • Bachelors Degrees

- Music B.A.
  - Latinx Concentration (p. 273)
  - Culture and Expression (p. 271)
- Music B.M.
  - Business Concentration (p. 274)
  - Composition Concentration (p. 277)
  - Instrumental Performance Concentration (p. 279)
  - Jazz Studies Concentration (p. 281)
  - Piano Concentration (p. 283)
  - Vocal Performance Concentration (p. 285)
- Music Education B.M.E.
  - K-12 Instrumental Teaching Concentration - Licensure: Music (Grades K-12) (p. 287)
  - K-12 Vocal, Piano and General Teaching Concentration - Licensure: Music (Grades K-12) (p. 290)

#### • Minors

- Music: Liberal Arts (p. 384)

#### • Undergraduate Certificate

- Music Technology (p. 362)

The UNC School of Music is a vibrant community of performers, composers, educators, and music industry professionals who believe in the power of music to transform the world. Ours is a longstanding history of excellence in creativity and scholarship, one which we strive to continue in our day-to-day pursuits and rely on to guide our future. Today's UNC School of Music is comprised of about 375 students and 70 faculty members engaged in undergraduate, masters, and doctoral programs in performance, music education, jazz studies, music business, technology, Latinx music, culture & expression, composition, theory, and history & literature.

Each year, we present 40+ concerts in our state-of-the-art Campus Commons Performance Hall and 100+ student and faculty recitals. We are proud to be the home of national and regional events including the UNC/Greeley Jazz Festival, Colorado All-State Band, Western States Honors Orchestra, Open Space Festival of New Music, and Bailey Choral Festival. We are an active part of the Greeley Creative District, which has helped transform the heart of our city.

Named a Program of Excellence by the Colorado Department of Higher Education, the School has earned a Grammy nomination, has won over 125 Down Beat Student Music Awards, and has sent students and faculty as ambassadors throughout the U.S. and around the world, including to Europe, China, the Caribbean, and South America. We are accredited by the National Association of Schools of Music.

### Major Musical Organizations

- MUS 267/MUS 467/MUS 667 University Symphony Orchestra
- MUS 268/MUS 468/MUS 668 Campus String Orchestra
- MUS 280/MUS 480/MUS 680 Mixed Concert Choir
- MUS 281/MUS 481/MUS 681 Women's Glee Club
- MUS 284/MUS 484/MUS 684 Men's Glee Club
- MUS 288/MUS 488/MUS 688 Concert Band
- MUS 290/MUS 490/MUS 690 Symphonic Band
- MUS 291/MUS 491/MUS 691 Wind Ensemble
- MUS 225/MUS 425/MUS 625 Jazz Ensemble\*
- MUS 224/MUS 424/MUS 624 Vocal Jazz Ensembles\*

\*For jazz studies students and other students whose primary applied lessons are in jazz, the following Major Musical Organizations apply.

**Admission Requirements:** Those seeking to enroll in the B.A. Latinx Music or B.A. Culture & Expression degrees need not do anything other than apply to the University. Prospective students seeking to enroll in one of the B.M., B.M.E., M.M., or D.A. programs are required to submit an audition form to the School of Music in addition to their



application to the University or Graduate School. For these programs, an audition is required; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines are available at: [arts.unco.edu/music/admission/](https://arts.unco.edu/music/admission/).

**Minimum Proficiencies:** Minimum proficiency in music fundamentals and ear training as assessed by a Music Theory Placement Exam to enter MUS 113/MUS 114 or MUS 181/182.

**School Policies:** In all MUS courses, a student must receive C- or better to fulfill degree requirements.

Any students receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. A student who receives lower than a C- a third time in the same class will be removed from the major.

After students have fulfilled the requirements for applied lessons in their degree, additional applied lesson will be at the discretion of the studio teacher and Director.

Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons may result in removal from the major.

All students in applied lessons must enroll in a major ensemble, if required by their degree program.

## School of Theatre Arts and Dance

**Interim Director:** Anne Toewe, Ph.D.

**Location:** Frasier Hall 108

**Theatre Arts** – 970.351.2991

**Website:** [arts.unco.edu/theatre/](https://arts.unco.edu/theatre/)

**Faculty:** Monte Black, M.F.A.; Joshua Chenard, M.F.A.; Kimberly Clay, M.F.A.; Ryan Driscoll, M.M.; Michelle Gaza, M.F.A.; Brian Hapcic, M.F.A.; Randall Harmon, Ph.D.; Mary Houston, M.F.A.; Carrie Klofach, D.M.A.; John R. Leonard, M.F.A.; Gillian McNally, M.F.A.; Andrea Moon, Ph.D.; DJ Pike, M.F.A.; Mary Schuttler, Ph.D.; Anne Toewe, Ph.D.; Ken Womble, M.F.A.

### Course(s) Offered (Prefix):

- DNCE — Dance (p. 444)
- MT — Musical Theatre (p. 521)
- THEA — Theatre Arts (p. 578)

### Program(s) Offered:

- **Bachelors Degrees**
  - Acting B.F.A (p. 110)
  - Musical Theatre B.F.A. (p. 293)
  - Theatre Arts B.A.

- K-12 Drama Teaching Concentration - Licensure: Drama Theater Arts (Grades K-12) (p. 344)
- Theatre Studies Concentration (p. 347)
- Theatre Design/Technology B.F.A. (p. 348)
- **Minors**
  - Dance (p. 374)
  - Theatre Arts (p. 389)

UNC's Theatre Arts program combines classroom instruction with first-hand experiences in theatre, musical theatre, and dance. General objectives of the University of Northern Colorado School of Theatre Arts and Dance are based on service and leadership in the arts at local, state, regional and national levels. An integral unit within the University, the School embraces the role and mission of the University and has designed its goals and objectives to support and enhance institutional purposes and directions.

The academic program provides technical support, scenes, costumes, stage direction, choreography, promotion, and general management for UNC's popular Performing Arts Series.

During the summer, the College of Performing and Visual Arts presents the Little Theatre of the Rockies (LTR) and other events. LTR, established in 1934, serves as the production entity for Theatre and Musical Theatre. The LTR Summer company members are involved in acting and technical aspects of professional theatre, working under the excitement of a rigorous production schedule. As participants, they encounter a wide variety of opportunities to observe, learn from and share ideas with an experienced faculty, professional actors, singers, and technicians.

**Admission.** Entrance into the BA Theatre Arts - Theatre Studies Concentration does not require an interview nor audition. All BFA degree programs and the K-12 Teaching Concentration require an audition/interview for entrance into the degree program.

*If a student meets the general University admissions requirements, they will be accepted as "seeking" – meaning the student is admitted to the University, but entry to their theatre program of choice is dependent on a successful audition and/or interview. If a student is accepted by the School of Theatre Arts & Dance, their program will then be designated as BFA Acting, BFA Musical Theatre, BFA Design/Technology, or BA K-12 Drama Teaching.*

Consideration of student acceptance will be made by the Admission Committee in the school in accordance with the student's audition or interview, resume, letters of recommendation, and academic record.

### Requirements for Theatre Arts Majors

- The Theatre Arts program requires student majors to consult with and be advised by their major advisor.

- Students must complete a successful assessment each academic year. See individual degrees/programs for assessment procedures.
- Students must follow all guidelines outlined in the UNC Student Code of Conduct (BEAR code). This code can be found here: [www.unco.edu/dean-of-students/pdf/Student-Code-of-Conduct.pdf](http://www.unco.edu/dean-of-students/pdf/Student-Code-of-Conduct.pdf)

## UNIVERSITY LIBRARIES

**Interim Dean:** Jayne Blodgett, M.L.S.

**Interim Assistant Dean:** Jennifer Mayer, M.L.I.S.

**Location:** James A. Michener Library

**Phone:** 970-351-2671

**Fax:** 970-351-2963

**Email:** [libraries@unco.edu](mailto:libraries@unco.edu)

**Website:** [www.unco.edu/library](http://www.unco.edu/library)

**Faculty:** Jayne R. Blodgett, M.L.I.S.; Keno Catabay, M.L.I.S.; Rachel Dineen, M.L.I.S.; Annie Epperson, M.S.L.S.; Stephanie Evers, M.L.S.; Melissa Gurney Schultz, M.L.I.S.; Darren Ilett, Ph.D.; Jennifer J. Leffler, M.A.; Brianne Markowski, M.A.; Jennifer Mayer, M.L.I.S.; Jane Monson, M.A.; Margarita Shawcross, M.L.I.S.; Jay Trask, M.L.I.S.; Nicole Webber, M.L.I.S.; Stephanie Wiegand, M.L.S.

**Emeritus Faculty:** Mark Anderson, M.L.I.S.; Joan Lamborn, A.M.L.S.; Kay Lowell, M.L.S.; Stephen Luttmann, M.L.S.; Helen Reed, AMLA

**Course(s) Offered (Prefix):**

- LIB – University Libraries (p. 510)

View University Libraries services (p. 62).

## UNDERGRADUATE STUDIES

### Office of the Assistant Vice President

#### Assistant Vice President for Undergraduate Studies:

Nancy J. Matchett, Ph.D.

**Location:** 4008 Carter Hall

**Telephone:** 970.351.2305

Undergraduate Studies advances the mission of the University of Northern Colorado by providing programs that support UNC's central learning goals. These include the Liberal Arts Curriculum (p. 70) embedded in every undergraduate major, and a variety of Academic Engagement programs that serve students across the five other academic colleges: the University Honors Program, McNair Scholars Program (p. 108), Air Force and Army ROTC programs (p. 108) (with associated undergraduate minors), and the Interdisciplinary Studies: Student Designed Bachelor of Arts degree (p. 250). Undergraduate Studies also houses the office of undergraduate research (p. 108) and sponsors *Ursidae*, UNC's Undergraduate Research Journal.

#### Course(s) Offered (Prefix):

- AS — Aerospace Studies (p. 410)
- HON — Honors Program (p. 495)
- MLSC — Military Science (p. 519)
- UNIV — University Seminars (p. 586)

#### Program(s) Offered:

**Liberal Arts Curriculum** (p. 70)

#### Majors:

- Interdisciplinary Studies: Student Designed B.A. (p. 250)

#### Minors:

- Aerospace Studies (Air Force) (p. 364)
- Military Science (Army) (p. 383)

#### Engagement Programs:

- McNair Scholars (p. 107)
- Honors Program (p. 108)
- The Office of Undergraduate Research (p. 108)

### Interdisciplinary Programs

#### Interdisciplinary Studies: Student Designed B.A.

The Bachelor of Arts degree in Interdisciplinary Studies enables undergraduate students to pursue an interdisciplinary theme of study they design in substitution for the traditional major. Each student pursuing this major

works with two faculty advisors who assist in constructing a program of study that will meet the student's objectives. This program affords students the opportunity to pursue topics of study tailored to meet their individual interests and needs.

Graduates benefit by pursuing a major that develops awareness of the interrelatedness and wholeness of knowledge. This program enables students to integrate knowledge focusing on both contemporary and lasting human issues and problems. Students develop both theoretical and practical approaches to topics. This major provides the groundwork for students who aspire to careers that are enriched by study in two or more disciplines.

#### Program(s) Offered:

- Interdisciplinary Studies: Student Designed B.A. (p. 250)

### McNair Scholars Program

**Website:** [www.unco.edu/mcnair/](http://www.unco.edu/mcnair/)

**Email:** [mcnair.scholars@unco.edu](mailto:mcnair.scholars@unco.edu)

The Ronald E. McNair Post-Baccalaureate Achievement Program provides eligible undergraduate students with effective preparation for doctoral study through research and scholarly activities, summer internships, seminars and workshops, mentoring, and assistance with graduate school admission processes. Specifically, the program offers opportunities for mentored undergraduate research.

As a member of the federal TRIO family of programs, the McNair Scholars Program is dedicated to increasing access to doctoral education among currently underrepresented groups. McNair participants are either first-generation college students with financial need or members of a group traditionally underrepresented in graduate education.

Established in 1995, UNC currently hosts the longest-running McNair Scholars Program in Colorado. Admission is highly competitive; only 15 students are selected each year.

#### Program Highlights

- Formulate individualized professional development plans to help achieve undergraduate and graduate academic goals
- Design and complete independent research projects with guidance from faculty mentors and McNair staff
- Deliver poster and oral presentations at local, regional and national conferences
- Receive guidance in crafting curriculum vitas and graduate admissions essays, identifying internship

opportunities, and identifying sources of funding for graduate programs

- Receive assistance in preparing for graduate admissions exams
- Receive financial assistance to support completion and presentation of research, participation in the summer research internship, and graduate application processes

### Program Overview

UNC McNair Scholars participate in

- an 8-week Summer Research Institute
- an advanced library research and writing course (1 credit)
- two research seminars (2 credits each)
- a one-semester graduate school preparation course (1 credit)
- workshops and events intended to introduce them to academic culture, celebrate accomplishments, and encourage continued personal, professional, and academic development

### Program Eligibility

- Juniors and seniors with a 2.75 or higher GPA.
- First-generation college students with financial need

OR

- Members of populations underrepresented in graduate education (American Indian, Black/African American, Hispanic/Latino, Native Alaskan, Native Hawaiian/Pacific Islander).
- American citizen or US permanent resident
- Committed to completing a doctoral degree.

Applications are available in the spring; the deadline for applying is approximately March 1. Students are encouraged to apply during the spring of their sophomore year.

### Additional Information

Detailed information is available at the McNair Scholars Program website: [www.unco.edu/mcnair](http://www.unco.edu/mcnair), by visiting the office in Michener L-75, or by emailing [mcnair.scholars@unco.edu](mailto:mcnair.scholars@unco.edu).

The McNair Scholars Program is primarily funded through a U.S. Department of Education grant.

## Office of Undergraduate Research

The Office of Undergraduate Research provides support and recognition for undergraduate student research for all Colleges at the University of Northern Colorado to further University goals for active learning and original research.

The office seeks

- To support undergraduate research across all colleges by providing a hub for dissemination of opportunities and recognition of achievements and on-going projects.
- To enhance public recognition of undergraduate research excellence at UNC to both external and internal audiences.
- To provide students with a place to obtain information about financial support and grants for research through both internal and external sources.
- To reward exceptional undergraduate research campus-wide.
- To provide researchers with opportunities to present their research to a wider audience.
- To provide opportunities for networking, cross-pollination and collaboration between programs and colleges.

For information about undergraduate research opportunities, go to the website at [www.unco.edu/office-undergraduate-research](http://www.unco.edu/office-undergraduate-research).

## Reserve Officer Training Corps (ROTC)

Students may earn a minor in either Aerospace Studies (Air Force) or Military Science (Army). The programs are designed to prepare students to assume leadership as officers in the United States Air Force or Army.

The required courses are unique to each service and focus on the development of each cadet's leadership style. Leadership is learned, applied, and evaluated by cadre and cadets through practical exercises, laboratories, and participation in either the Air Force Field Training Course or the Army Advanced Camp. Numerous scholarships are available, and contracted cadets receive a monthly, tax-free allowance.

For further information about ROTC offerings call 970.491.6476 (Air Force) or 970.491.1637 (Army).

### Course(s) Offered (Prefix):

- AS — Aerospace Studies (p. 410)
- MLSC — Military Science (p. 519)

### Program(s) Offered:

- Aerospace Studies (Air Force) Minor (p. 364)
- Military Science (Army) Minor (p. 383)

## University Honors Program

**Website:** [www.unco.edu/honors/](http://www.unco.edu/honors/)

The University Honors Program fosters outstanding students by providing enriched course and research experiences, extra faculty attention, a community of intellectually engaged peers, and appropriate recognition

for making the most of an undergraduate education. The program engages students in the life of the mind and encourages them to raise their expectations for themselves and their education. Honors students become intrinsically involved in their own learning experience, develop heightened critical awareness and independent thinking skills, and participate in research or creative works at the university and in the community.

**Course(s) Offered (Prefix):**

- HON — Honors Program (p. 495)

**Program(s) Offered:**

- University Honors Program

## UNDERGRADUATE PROGRAMS

### Bachelor's Degrees

#### ACTING B.F.A.

##### PROGRAM OVERVIEW

##### College of Performing and Visual Arts

**Contact:** Michelle Gaza, M.F.A., Interim Director

**Location:** Frasier Hall 105

**Telephone:** 970.351.2991

**Fax:** 970.351.4897

**Website:** arts.unco.edu/theatre/

##### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

##### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

##### Program Description:

A Bachelor of Fine Arts in Acting prepares students for professional performance careers in the theatre, television and film industries. This program is intended to produce the highest achievement possible of an acting student through the study of acting, voice/speech, and movement. The degree prepares students to perform professionally in a variety of acting styles.

##### Program Admission Requirements:

- Admission to the Bachelor of Fine Arts in Acting is by audition.
  - All students planning to major in Acting are required to submit an additional application to the School.
  - Information concerning auditions may be requested from School of Theatre Arts and Dance, University of Northern Colorado, Frasier Hall, Greeley, Colorado 80639, phone 970.351.2991

##### Program Requirements:

Students must adhere to the following guidelines to remain in the BFA Acting major:

- All BFA Acting majors, other than first semester first year students\*, are required to audition for all

mainstage plays during the academic year unless they receive an exemption in advance of auditions from the Area Head. In the event of a vacancy in the Area Head position, an exemption from auditions must be granted by the School Director. Requests to be exempted from auditions will be considered on a case-by-case basis.

- \*First semester BFA Acting majors are not required to audition their first semester for Fall mainstage productions, nor do they need to receive an exemption in advance.
- BFA Acting majors must accept any role they are offered in a mainstage production during the academic year. If a student does not wish to be considered for a particular production, permission must be granted ahead of time by the Area Head.

Non-compliance of any of the above requirements may result in disciplinary actions including, but not limited to, removal from future production assignments, loss of talent scholarship funding, or expulsion from the program.

##### DEGREE REQUIREMENTS — 120 CREDITS

##### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

##### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*THEA 296 (3) and THEA 297 (3) are recommended to fulfill Arts & Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 70 credits**

**Take all of the following courses — 58 credits**

THEA 135	Playscript Analysis	3
THEA 149	Orientation to Technology	3
THEA 150	Actor's Lab	1
THEA 158	Acting I	3
THEA 170	Acting II	3
THEA 191	Beginning Voice and Speech	3
THEA 194	Intermediate Voice and Speech	3
THEA 240	Beginning Stage Directing	3
THEA 250	Stage Make Up	2
THEA 270	Acting III	3
THEA 275	Stage Movement I	2
THEA 276	Stage Movement II	3
THEA 296	History of Theatre I	3
THEA 297	History of Theatre II	3
THEA 324	Masterpieces in Theatrical Production	2
THEA 336	Advanced Voice Speech	3
THEA 360	Acting Styles I	3
THEA 361	Acting Styles II	3
THEA 362	Acting for the Camera	3
THEA 376	Stage Movement III	3
THEA 464	Audition Techniques	3

**Take the following repeatable/variable credit courses — 12 credits**

**Take the following for 6 credits:**

THEA 100	Individual Performance in Theatre	2
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**Take the following for 4 credits:**

THEA 110	Performance in a Theatrical Production	2
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**Take the following for 2 credits:**

THEA 308	Theatre Workshop	1-4
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**3. University-Wide Credits — 19 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree that will typically be 19-25 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements may have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

BFA Acting Majors are advised an encouraged to take elective credits and/or complete minors or enroll in certificate programs that relate to their major field, such as: the Arts Entrepreneurship Certificate, Dance Minor, Film Studies Minor, and/or other THEA/PVA/MUS/DNCE courses.



## AFRICANA STUDIES B.A.

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 0140

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/africana-studies

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Graduates will have a liberal arts education and skills necessary for working in multicultural environments; qualify for graduate work in Africana Studies or Pan African Studies; and will understand the struggles and accomplishments of people of African descent. As a job-related field, Africana Studies fosters the intellectual and professional expertise valuable for positions in teaching (elementary, secondary and post-secondary levels), business, criminal justice, counseling, psychology, and health-related fields. Additional applications include community resource development, urban planning, public and social policy analysis, law, social services, political leadership (local, state and federal) and international relations.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- AFS 395, Aspects of the African American Experience, is a variable subtitle course, which may be taken more than once, each time with materials applicable to a different program focus. Students may not repeat the same subtitle course in a program focus for credit.
- Majors must choose at least one AFS elective at the 300-level and one AFS elective at the 400-level.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 39 required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*AFS 100 (3) is recommended to fulfill the History and U.S. Multicultural Studies requirements and will fulfill both LAC and major requirements.*

*AFS 201 (3) and AFS 202 (3) are recommended to fulfill the History requirement and the additional 3 credits in Arts & Humanities, History, or Social & Behavioral Sciences and will fulfill both LAC and major requirements.*

*AFS 205 (3) is recommended to fulfill the Arts & Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 39 credits

##### Take all of the following courses:

AFS 100	Introduction to Africana Studies	3
AFS 201	African American History I	3
AFS 202	African American History II	3
AFS 205	Survey of African American Literature	3
AFS 240	Dynamics of Racism	3
AFS 399	Community Study Project	1-4
AFS 490	Seminar in Africana Studies	3

AFS 399: Must take 3 credits

##### Choose one of the following courses:

AFS 104	Survey of Africa	3
HIST 110	African Civilization	3

### Africana Studies Major Electives

Choose five of the following courses - Majors must take at least four AFS prefix courses. At least one AFS prefix course must be at the 300-level and one AFS prefix elective at the 400-level.

AFS 101	Development of Black Identity	3
AFS 102	The Black Woman in America	3
AFS 303	Blacks in the American West	3
AFS 310	African Americans and U.S. Education	3
AFS 340	The Black Family	3
AFS 360	Routes of Black Music	3
	or	
MUS 363	Routes of Black Music	3
AFS 395	Aspects of the African-American Experience	3
AFS 396	African and African American World Views	3
AFS 404	History of Blacks in Film	3
AFS 415	Black Psychology	3
AFS 422	Directed Studies	1-4
AFS 450	African American History, 1896-Present	3
AFS 456	The Black Church and Religious Traditions	3
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
HIST 318	Modern Africa	3
HIST 319	Revolutionary South Africa	3

### 3. University-Wide Credits — 50 credits\*

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 50 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

#### Program Notes

With 50 additional credits to take for degree completion (120 credits), AFS majors are strongly encouraged to pursue a minor or an additional major.

## AMERICAN SIGN LANGUAGE ENGLISH INTERPRETATION B.A.

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** Pauline Ballentine

**Email:** Pauline.Ballentine@unco.edu

**Location:** McKee 511

**Website:** [www.unco.edu/cebs/asl-interpreting/](http://www.unco.edu/cebs/asl-interpreting/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering. The importance of the program advisor cannot be overstated. Program advisement includes all aspects of students' present and future academic and professional planning. It is often the program advisor who is able to help students conceptualize their academic program within the context of their own professional goals and aspirations. This responsibility is likely to involve extensive discussions of academic or professional goals well beyond the program.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The ASL-English interpretation (ASLEI) baccalaureate degree program is delivered in two ways: a traditional undergraduate offering on the Greeley campus and as an online program. Both traditional and online students participate in summer coursework with onsite requirements. The ASLEI program prepares majors to provide competent interpreting services between individuals who are deaf and use ASL as their primary language and individuals who are not deaf and do not know ASL. Graduates of this program will be work and/or certification-ready as they will be prepared to interpret in a range of low-risk community and educational settings with professional autonomy. The ASLEI program is accredited by the Commission on Collegiate Interpreter Education and it is the only distance-delivered interpreter education baccalaureate program in the nation to have achieved this distinction.

#### Program Admission Requirements:

Program specific requirements. See website: [www.unco.edu/cebs/asl-interpreting/](http://www.unco.edu/cebs/asl-interpreting/)

**Program Requirements:**

A grade of "B" or higher in each of the INTR and ASL courses taken as part of this major is required for graduation.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ASL 201: ASL III and ASL 202: ASL IV may be used for up to 6 credits of Arts & Humanities Coursework, which also counts for Multicultural Studies.*

*A student wanting advanced placement in American Sign Language courses above ASL 101 must meet with a faculty member in the American Sign Language & Interpreting Studies (ASLIS) department for a placement screening. A student may receive retroactive credits, provided a grade of "B" (3.0) or higher is earned in the student's first UNC course taken above ASL 101.*

*After receiving a grade of "B" or higher students must petition the Office of the Registrar in order to be awarded the retroactive credits.*

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)****2. Required Major — 73 credits**

*Students completing a major in ASL-English Interpretation and a minor in ASL are exempt from the University policy that a maximum of 12 credit hours can be shared between a major and minor.*

**Take all of the following courses:**

ASL 310	Deaf Culture and Community	3
INTR 100	Strategies for ASL English Interpretation Success	1
INTR 101	ASL V	3
INTR 102	ASL VI	3
INTR 103	ASL for Interpreters I	3
INTR 111	ASL Linguistics	3
INTR 112	Theory and Practice of Interpreting	3
INTR 113	Discourse Analysis	3
INTR 201	Ethics for Interpreters	3
INTR 204	ASL for Interpreters II	3
INTR 206	Meaning Transfer Skills for Interpreters	3
INTR 230	Research Methods in Interpretation	1
INTR 245	Interpreting Skills & Theory I	5
INTR 312	Intercultural Communication	3
INTR 330	Observation-Supervision	3
INTR 345	Interpreting Skills & Theory II	6
INTR 355	Interpreting Skills & Theory III	3
INTR 401	Professional Decision-Making for Interpreters	3
INTR 430	Introduction to School Interpreting	3
INTR 440	Interpreting in Community Settings	3
INTR 445	Interpreting Skills & Theory IV	5
INTR 449	Senior Seminar	1
INTR 450	Senior Capstone	3
INTR 492	Internship for Interpreters	3

**3. University Wide Credits — 16 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 16 credits.

## ANTHROPOLOGY B.A.

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 2200C

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/anthropology

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Anthropology is devoted to understanding what it means to be human. This knowledge is valuable, not only for itself, but also for how it can be applied to a variety of professional settings. This major focuses on the power of the integrated, multidisciplinary nature of anthropological theory and methods to analyze and interpret human cultural and biological variation in a historic, prehistoric and global context. Anthropology courses provide a blend of content and inquiry based instruction. The Anthropology program emphasizes both theory and method. Students learn a variety of qualitative and quantitative techniques for analyzing anthropological problems. Anthropology majors often pursue graduate study and academic careers. They also follow careers in both public and private sectors. Anthropology majors work in every area of society, including government planning agencies, public health, education, journalism, social services, rural development, urban planning, migration and immigration, public archaeology, public policy evaluation, major corporations, international development agencies, public and private research institutions and a variety of advocacy and public interest groups.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

Anthropology majors must obtain a grade of "C-" or better in all anthropology courses taken at UNC. Majors receiving a grade of "D+" or lower in an anthropology course must retake the course - or an equivalent approved by the academic advisor - and receive a grade of "C-" or higher to have the course counted toward the major.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 48 required major credits.

Completing LAC coursework outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ANT 110 (3) is recommended to fulfill International Studies and double counts for the major*

*ANT 120 (3) is recommended to fulfill Social and Behavioral Sciences and double counts for the major*

*ANT 212 (3) is recommended to fulfill U.S. Multicultural Studies and double counts for the major*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*ANT 130 (3) is recommended to fulfill Natural and Physical Sciences and double counts for the major*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 48 credits

#### Core Courses

Take all courses listed below:

ANT 110	Introduction to Cultural Anthropology	3
ANT 120	World Archaeology	3
ANT 130	Introduction to Biological Anthropology	3
ANT 270	Professional Development	3
ANT 470	Seminar in Anthropology	3

**Methods and Theory**

Choose two of the methods/theory courses in consultation with an advisor:

ANT 300	Applied Anthropology	3
	or	
ANT 350	Field Methods in Cultural Anthropology	3
	and	
ANT 320	Archaeological Research Methods	3
	or	
ANT 340	Quantitative Methods for Anthropology	3

**Cultural Anthropology**

Choose three of the following courses in consultation with an advisor:

ANT 212	North American Indians	3
ANT 233	Anthropological Linguistics	3
ANT 245	Introduction to Ethnomusicology	3
	or	
MUS 245	Introduction to Ethnomusicology	3
ANT 292	Culture and Conflict	3
	or	
MIND 292	Ideas in Conflict	3
ANT 296	Study Abroad Experience	3
ANT 313	Anthropology of Globalization	3
ANT 314	Anthropology of Sex and Gender Diversity	3
ANT 315	Life History and Culture	3
ANT 317	Contemporary Native American Issues	3
ANT 316	Global Conflict and Gender	3
	or	
GNDR 316	Global Conflict and Gender	3
ANT 331	Anthropology and Contemporary Human Problems	3
ANT 333	Anthropology of Religion	3
ANT 355	Medical Anthropology	3
ANT 395	Topics in Anthropology	3
ANT 408	Workshop in Anthropology	3-12
ANT 422	Directed Studies	1-4
ANT 492	Internship	1-12

**Archaeology**

Choose three of the following courses in consultation with an advisor:

ANT 296	Study Abroad Experience	3
ANT 321	Archaeology of North America	3
ANT 325	Fieldwork in Archaeology	4
ANT 328	Public Archaeology	3
ANT 395	Topics in Anthropology	3
ANT 408	Workshop in Anthropology	3-12
ANT 421	Prehistoric Europe	3
ANT 422	Directed Studies	1-4
ANT 492	Internship	1-12

**Biological Anthropology**

Choose three of the following courses in consultation with an advisor:

ANT 296	Study Abroad Experience	3
ANT 330	Forensic Anthropology	3
ANT 332	Modern Human Variation	3
ANT 335	Primate Behavior	3
ANT 338	World Rebuilding (Paleoecology)	3
ANT 395	Topics in Anthropology	3
ANT 408	Workshop in Anthropology	3-12
ANT 422	Directed Studies	1-4
ANT 430	Human Evolutionary Anatomy	3
ANT 492	Internship	1-12

**3. University-Wide Credits — 41 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 41 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## ART AND DESIGN B.A. – ART STUDIO CONCENTRATION

### PROGRAM OVERVIEW

#### College of Performing and Visual Arts

**Location:** Guggenheim 101

**Telephone:** 970.351.2143

**Fax:** 970.351.2299

**Website:** <https://arts.unco.edu/art/>

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

Contact the Art office for more information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Art Studio Concentration is a liberal arts program designed to give students broad exposure to the studio arts and art history.

It prepares the artist and craftsperson. It is an ideal preparatory program for students planning to do advanced or graduate study in art and art history.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- New Art & Design students must complete the Foundations requirements before they can begin their advanced art studies. The Foundations Courses include ART 180, ART 183, ART 184, and ART 234. Students must also successfully complete the Foundations Portfolio.
- Transfer students who have articulated coursework from another institution will only submit artwork completed in courses taken at UNC. Students who have completed ART 183, ART 184, and ART 234 at another accredited university are exempt from the Foundations Portfolio.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 57 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies, and International Studies — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ART 181 (3), ART 182 (3), and ART 185 (3) are recommended to fulfill Arts & Humanities requirement and the additional 3 credits required in Arts & Humanities or History or Social & Behavioral Sciences and will fulfill both LAC and major requirements.*

*Students are encouraged to choose a History course with an IS designation, and choose a Social and Behavior Sciences course with an MS designation.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 57 credits

#### Take all of the following courses:

Complete the following four Foundations Courses first

ART 180	Contemporary Art History	3
ART 183	2D Design	3
ART 184	3D Design	3
ART 234	Drawing I	3

**Take three Art History courses — 9 credits**

ART 181	Ancient Art History	3
ART 182	Medieval to Rococo Art History	3
ART 185	Neoclassic to Modern Art History	3

**Select five of the following 200-level studio art courses — 15 credits**

ART 210	Introduction to Ceramics	3
ART 231	Painting I	3
ART 237	Introduction to Digital Media	3
ART 250	Introduction to Printmaking	3
ART 261	Introduction to Sculpture	3
ART 271	Introduction to Photography	3

**Take the following courses — 9 credits**

ART 224	Research and Writing in the Visual Arts	3
ART 301	The Working Artist: Preparation	3
ART 401	The Working Artist: Practicum	3

**Select four of the following 300/400-level studio art courses in consultation with a faculty advisor; at least one must be a 400-level course (12 credit hours)**

ART 314	Wheel Throwing	3
ART 315	Ceramic Design	3
ART 331	Painting II	3
ART 333	Life Drawing	3
ART 334	Drawing II	3
ART 338	Digital Illustration and Storytelling	3
ART 353	Intaglio Printmaking	3
ART 358	Relief Printmaking	3
ART 362	Sculpture: Casting	3
ART 363	Sculpture: Fabrication	3
ART 374	Photography: Black & White Film	3
ART 375	Photography: Digital Capture	3
ART 410	Advanced Ceramics	3
ART 431	Painting III	3
ART 432	Advanced Painting	3
ART 433	Advanced Drawing	3
ART 437	Computer Art	3
ART 452	Advanced Printmaking	3
ART 462	Advanced Sculpture	3
ART 471	Computer Graphics	3
ART 481	Advanced Photography	3

**3. University-Wide Credits — 32 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 32 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**ART AND DESIGN B.A. – GRAPHIC DESIGN CONCENTRATION****PROGRAM OVERVIEW****College of Performing and Visual Arts**

**Location:** Guggenheim 101

**Telephone:** 970.351.2143

**Fax:** 970.351.2299

**Website:** <https://arts.unco.edu/art/>

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

Contact the Art office for more information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Graphic Design concentration prepares you to work as a visual thinker and communicator using a variety of traditional print and emerging digital media. Coursework integrates practice, theory, critical thinking, visual literacy and conceptual problem solving. Students plan, analyze, create, and evaluate visual solutions to communication problems in a full range of areas such as Editorial Design, Corporate and Brand identity Design, Advertising, Publication, Environmental Graphic Design, Packaging Design, Typography, Web, Motion and Interactive Design.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- New Art & Design students must complete the Foundations requirements before they can begin their advanced art studies. The Foundations Courses include ART 180, ART 183, ART 184, and ART 234. Students must also successfully complete the Foundations Portfolio.
- Transfer students who have articulated coursework from another institution will only submit artwork completed in courses taken at UNC. Students who have completed ART 183, ART 184 and ART 234 at another accredited university are exempt from the Foundations Portfolio.
- Three hours of internship (ART 492) is required.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 60 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 119)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies, and International Studies — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ART 181 (3), ART 182 (3), and ART 185 (3) are recommended to fulfill Arts & Humanities requirement and the additional 3 credits required in Arts & Humanities or History or Social & Behavioral Sciences and will fulfill both LAC and major requirements.*

*Students are encouraged to choose a History course with an IS designation, and choose a Social and Behavior Sciences course with an MS designation.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 60 credits**

**Take all of the following courses (12 credits)**

Complete the following four Foundations Courses first

ART 180	Contemporary Art History	3
ART 183	2D Design	3
ART 184	3D Design	3
ART 234	Drawing I	3

**Complete the following courses (12 credits)**

ART 171	Introduction to Visual Communication Design	3
ART 181	Ancient Art History	3
ART 182	Medieval to Rococo Art History	3
ART 185	Neoclassic to Modern Art History	3

**Choose two of the following courses (6 credits)**

ART 231	Painting I	3
ART 250	Introduction to Printmaking	3
ART 331	Painting II	3
ART 333	Life Drawing	3
ART 334	Drawing II	3
ART 353	Intaglio Printmaking	3
ART 356	Monotypes	3
ART 358	Relief Printmaking	3

**Choose one of the following courses (3 credits)**

ART 210	Introduction to Ceramics	3
ART 261	Introduction to Sculpture	3
ART 265	Metalsmithing	3
ART 268	Introduction to Game Design	3
ART 275	Introduction to Motion Graphics	3
ART 279	Introduction to Video	3

**Take all of the following (27 credits)**

ART 270	Graphic Design I	3
ART 271	Introduction to Photography	3
ART 370	Graphic Design II	3
ART 376	Typography	3
ART 469	Interactive Design	3
ART 470	Narrative Design	3
ART 473	Brand Identity Design	3
ART 479	Senior Project	3
ART 492	Internship in Art	1-5

ART 492: Take 3 credits

**3. University-Wide Credits — 29 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 29 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.



## ART AND DESIGN B.A. – LICENSURE: VISUAL ART (GRADES K-12)

### PROGRAM OVERVIEW

#### College of Performing and Visual Arts

**Location:** Guggenheim 101

**Telephone:** 970.351.2143

**Fax:** 970.351.2299

**Website:** <https://arts.unco.edu/art/>

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](https://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

Contact the Art office for more information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

The art education emphasis is a K-12 teacher education program preparing students to teach visual arts in elementary, middle, and secondary schools. The art education program requires competency in visual art technique and processes, analysis of the place of the arts in our historical heritage and current community, and the ability to apply the arts to human experience and learning. Satisfactory completion of requirements leads to K-12 art education licensure.

#### Program Admission Requirements:

Academic Good Standing

- It is important to note that the Art & Design major cannot be completed within 2 years. The first year is spent in completing the Foundations courses and requirements. Seniors and transfer students considering applying to the Art & Design program are advised that it is not possible to complete requirements in fewer than four regular semesters.
- Should the number of qualified applicants exceed space available in required courses, the school will admit

only those students ranking highest in cumulative grade point averages.

#### Program Requirements:

- New Art & Design students must complete the Foundations requirements before they can begin their advanced art studies. The Foundations Courses include ART 180, ART 183, ART 184, and ART 234. Students must also successfully complete the Foundations Portfolio.
- Transfer students who have articulated coursework from another institution will only submit artwork completed in courses taken at UNC. Students who have completed ART 183, ART 184 and ART 234 at another accredited university are exempt from the Foundations Portfolio.
- An Exit level PTEP Senior Portfolio review is required prior to graduation. The portfolio consists of work from the student's concentration area. Students are evaluated on their knowledge and successful demonstration of professional portfolio preparation of artwork, art history and cultures, and verbal and written critical analysis. The PTEP Review also evaluates students on their knowledge and successful demonstration of art education pedagogy.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP
- Completion of Full Admission to PTEP
- Completion of Application for Student Teaching
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.

- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 70 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies, and International Studies — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ART 181 (3), ART 182 (3), and ART 185 (3) are recommended to fulfill Arts & Humanities requirement and the additional 3 credits required in Arts & Humanities or History or Social & Behavioral Sciences and will fulfill both LAC and major requirements.*

See Arts & Humanities, History and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 73 credits**

**Take all of the following courses:**

Complete the following four Foundations Courses first

ART 180	Contemporary Art History	3
ART 183	2D Design	3
ART 184	3D Design	3
ART 234	Drawing I	3

**Complete the following courses:**

ART 181	Ancient Art History	3
ART 182	Medieval to Rococo Art History	3
ART 185	Neoclassic to Modern Art History	3
ART 210	Introduction to Ceramics	3
ART 231	Painting I	3
ART 237	Introduction to Digital Media	3
ART 248	Introduction to Art Education/Art for the Exceptional Child	3
ART 250	Introduction to Printmaking	3
ART 261	Introduction to Sculpture	3
ART 265	Metalsmithing	3
ART 270	Graphic Design I	3
ART 271	Introduction to Photography	3
ART 340	Foundations of Art Education	3
ART 342	Curriculum and Instruction in Art: Studio Strategies	3
ART 345	Clinical Experiences I: K-12 Art	3
ART 441	Cultural Studies in the K-12 Curriculum	3
ART 445	Clinical Experiences II: K-12 Art	3
ART 449	Current Issues in Art	3
ART 466	Visual Arts Student Teaching Seminar	1

**Area of Focus (6 credits)**

A minimum of six credits of upper-level courses, at the 300-level and above, from the areas of Studio Art, Art History, or Graphic Design, must be completed for an Area of Focus. The Area of Focus must be chosen in consultation with a faculty advisor and should result in an intentional and cohesive body of work with thematic unity.

**3. Required PTEP — 22 Credits**

EDF 290	Foundations of Education	3
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**Choose one of the following courses, based on preferred teaching level:**

PSY 347	Educational Psychology for Elementary Teachers	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Complete the following courses:**

EDFE 444	Supervised Student Teaching	1-15
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
EDSE 433	Exceptional Students in the Regular Classroom	2

Note: EDFE 444: Take 11 credits

**4. University-Wide Credits — 0-3 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have up to 3 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## ASIAN STUDIES B.A. – LIBERAL ARTS CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

**Location:** Candelaria 0190

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/world-languages-cultures](http://www.unco.edu/hss/world-languages-cultures)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The program in Asian Studies prepares individuals who have a broad understanding of Asia as a region, and in-depth understanding of a particular region of Asia through the study of the languages, history, literatures, arts, and cultures of Asia. Upon completion of this course of study, students will have a highly individualized but broad familiarity with the region, and will also understand the history and culture of Asia, as well as how this history and the various cultures affect its current dynamics.

The program fosters knowledge and study of international, specifically Asian, issues, as well as national and local diversity by inclusion of courses on the Asian Diaspora. Courses in Asian civilizations, literature, history, and the arts train students in Asian culture, and develop their cultural competence. Because the program requires study of Asian languages and encourages study abroad to one of UNC's direct exchange partner institutions in Asian countries, this program prepares student to work effectively with "diverse populations."

Students completing this program will have linguistic competence in at least one Asian language, and an understanding in Asian cultures, literature, art and history. Students are further encouraged to take on a minor in other subjects that complement their understanding of Asia, and enable them to continue to graduate studies in Asian studies, or to broaden their career prospects. Suggested minors are: Business Administration, Chinese, Film, Recreation, Tourism and Hospitality, History, or Gender Studies.

Students demonstrate their cultural competence through completion of their senior research project in the ASIA 475, and 61 credit hours of work in Asia-related courses.

**Program Admission Requirement:**

Academic Good Standing.

**Program Requirements:**

- Students must achieve a rating of Intermediate in one Asian language demonstrated through an Oral Proficiency Interview (OPI).
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**Program Recommendations:**

Suggested minors are: Business Administration, Chinese, Film, Recreation, Tourism and Hospitality, History, or Gender Studies.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 61 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*HIST 113 (3) is recommended to fulfill History requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 61 credits**

**Take the following courses:**

ASIA 475	Research Seminar	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3

**Choose six credits from the following courses:**

ASIA 216	South and Southeast Asian Literature	3
CHIN 216	Masterpieces in Chinese Literature	3
ENG 236	Ethnic American Literature	3
ENG 262	Masterpieces of World Literature	3

Advisor approval is required prior to registering for ENG 236 and ENG 262, which can only count toward this requirement if at least 1/3 of the course focuses on Asia.

**Choose six credits from the following courses:**

HIST 307	History of China to 1500	3
HIST 310	History of China Since 1500	3
HIST 311	History of Japan	3

**Language Requirement: 28 credits in Asian languages**

Students may divide the 28 credits among more than one Asian language, but must also achieve at least intermediate level proficiency in one Asian language, demonstrated through the Oral Proficiency Interview (OPI) through Language Testing International. The following language courses are acceptable:

CHIN 101	Elementary Chinese I	5
CHIN 102	Elementary Chinese II	5
CHIN 201	Intermediate Chinese I	3
CHIN 202	Intermediate Chinese II	3
CHIN 301	China and the Chinese	3
CHIN 302	China and the Chinese II	3
CHIN 311	Introduction to Literary Chinese	3
CHIN 313	Chinese Cinema	3
CHIN 395	Topics in Modern China	3
CHIN 407	Chinese for Oral Proficiency	3
CHIN 450	Modern Chinese Literature	3
CHIN 495	Topics in Traditional China	3
JAPN 101	Elementary Japanese I	5
JAPN 102	Elementary Japanese II	5
JAPN 201	Intermediate Japanese I	3
JAPN 202	Intermediate Japanese II	3
JAPN 301	Japan and the Japanese I	3
JAPN 302	Japan and the Japanese II	3
JAPN 407	Japanese for Oral Proficiency	3

JAPN 450	Japanese Literature	3
WLC 195	Elementary World Language	1-5

Note: WLC 195 must be in an approved Asian language to count towards Asian Studies.

### Electives: 12 credits

Choose 12 additional credits from the following list, or from any other group of required Asian Studies courses listed above:

ANT 313	Anthropology of Globalization	3
ART 484	Asian Art History	3
ASIA 116	State, Society, and Culture in Contemporary Asia	3
ASIA 499	Asian Studies Thesis	3
CHIN 116	Introduction to Chinese Civilization	3
GEOG 218	Emerging Asia	3
GNDR 285	Gender in the Contemporary Global Order	3
JAPN 116	Contemporary Japan	3
MIND 181	Great Traditions of Asia: India, China and Japan	3
MIND 281	Modernity in Asia	3
MUS 248	Asian Musical Culture	3
PHIL 246	Early Chinese Philosophy	3
PSCI 319	Asian Politics	3

Advisor approval is required prior to registering for the following courses, which can only count toward this requirement if at least 1/3 of the course focuses on Asia. A course adjustment form will need to be submitted to the Office of the Registrar for courses approved from this list.

ANT 408	Workshop in Anthropology	3-12
ANT 470	Seminar in Anthropology	3
ASIA 392	Internship in Asian Studies	2-5
FILM 320	Special Topics in Film	3
HIST 395	Topics in History	3
PHIL 300	Topics in Philosophy	3
WLC 296	Study Abroad Experience	1-3
WLC 395	Special Topics	1-4

ANT 408, HIST 395, PHIL 300, and PSCI 319 have prerequisites outside of the major requirements.

### 3. University-Wide Credits — 28 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 28 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## BIOLOGICAL SCIENCES B.S. – CELL AND MOLECULAR BIOLOGY CONCENTRATION

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Mitchell E. McGlaughlin, Ph.D., School Director

**Location:** Ross Hall 2480

**Telephone:** 970.351.2921

**Website:** [www.unco.edu/nhs/biology](http://www.unco.edu/nhs/biology)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program. The school's transfer advisor can be reached at 970.351.2921.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This program places emphasis on a thorough understanding of the biological principles underlying all living systems through study of the basic unit of life, the cell. Undergraduates entering this program should have a strong interest in Biological Sciences and have completed general high school science and mathematics requirements. Given the technical nature of some required courses, additional preparatory coursework may be required for students with limited previous STEM experience.

Students successfully completing this program will be prepared to choose from a widely varied range of careers in the basic or applied biological sciences such as public health, the pharmaceutical industry, cancer research, biodiversity research, forensic biology, animal and plant agricultural sciences, and many others.

Students will also be prepared to continue their education in graduate biological sciences programs (microbiology, genetics, molecular biology, cell biology, physiology, endocrinology, immunology, developmental biology, etc.) and in most professional schools (medical, veterinary, etc.). This program encompasses a minor in chemistry.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- The State of Colorado has mandated that institutions of higher education assess student outcomes resulting from their college education. The School of Biological Sciences requires that all undergraduate students entering under this Catalog meet the following conditions in addition to meeting the graduation requirements of the University:
- In the senior year of study all undergraduates will take a standardized assessment administered by the School of Biological Sciences to assess the effectiveness of the curriculum.
- Junior and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses. Any 500 level BIO prefix courses will be applied to Biological Science Advanced Study requirements. Consult with faculty advisor to ensure courses are appropriate.
- NOTE: Students completing a major in Biological Sciences and a minor in Chemistry are exempt from the university policy that a maximum of 12 credit hours can be shared between a major and minor. A student must still complete a minimum of 6 upper-division UNC credits (300-400) or UNC approved Study Abroad credits in the minor.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 95 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill Intermediate Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 171 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 110 (4), BIO 111 (4), CHEM 111 (4), CHEM 111L (1) and PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 95 credits**

Take all of the following courses (74 credits):

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
BIO 210	Cell Biology	3
BIO 220	Genetics	4
BIO 351	Microbiology	4
BIO 360	Ecology	4
BIO 425	Molecular Genetics	3
BIO 442	Molecular and Cellular Laboratory	2
BIO 450	Cell Physiology	3
BIO 465	Evolution	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Laboratory	1
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
MATH 171	Calculus I for Life Sciences	4
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5
SCI 291	Scientific Writing	3
STAT 250	Statistics for Life Sciences	3

**Biochemistry (4-6 credits)**

Choose one of the following options:

CHEM 381	Principles of Biochemistry	3
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CHEM 381L	Principles of Biochemistry Lab	1
	Or, Complete both:	
CHEM 481	General Biochemistry I	3
CHEM 482	General Biochemistry II	3

**Capstone Professional Experience (1 credit)**

Take one credit (chosen in consultation with faculty advisor to help match career goals) from:

BIO 422	Directed Studies	1-3
BIO 492	Internship in Biological Sciences	1-3
BIO 493	Clinical Internship in Biological Sciences	1-3
BIO 494	Practicum in College Biological Science Instruction	1-2

**Biological Science Advanced Study**

Choose from BIO-prefix courses at the 300 level or higher to bring your Required Major Credits to **95 total**.

Please see course listings in the graduate catalog for additional course options (must be a junior or senior with a minimum 3.0 GPA to take graduate level courses). Consult with faculty advisor to match career goals.

**NOTE:** A maximum of 5 credits total of BIO 422, BIO 492, BIO 493, BIO 494 can count towards the fulfillment of this category. Up to five of those credits may be from BIO 422. Not more than three of those credits may be from BIO 492, BIO 493, and/or BIO 494 combined.

**3. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BIOLOGICAL SCIENCES B.S. – ECOLOGY AND EVOLUTIONARY BIOLOGY CONCENTRATION

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**PROGRAM OVERVIEW****College of Natural and Health Sciences**

**Contact:** Mitchell E. McGlaughlin, Ph.D., School Director

**Location:** Ross Hall 2480

**Telephone:** 970.351.2921

**Website:** [www.unco.edu/nhs/biology](http://www.unco.edu/nhs/biology)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program. The school's transfer advisor can be reached at 970.351.2921.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

This concentration focuses on organismal biology and on field courses. Students completing the program will acquire a background in taxonomy, the diversity of species, and life histories. Students should have an interest in working with plants and animals in a field setting. Undergraduates entering this program should have a strong interest in Biological Sciences and have completed general high school science and mathematics requirements. Given the technical nature of some required courses, additional preparatory coursework may be required for students with limited previous STEM experience. Students will be prepared to work for public or private sector environmental agencies such as state or federal wildlife agencies, the Bureau of Land Management, the National Park Service, various parks and recreation programs or private consulting agencies.

They can also continue their education in graduate programs in the pure or applied biological sciences (botany, zoology, ecology, forestry, wildlife biology).

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

The State of Colorado has mandated that institutions of higher education assess student outcomes resulting from their college education. The School of Biological Sciences requires that all undergraduate students entering under this Catalog meet the following conditions in addition to meeting the graduation requirements of the University:

- In the senior year of study all undergraduates will take a standardized assessment administered by the School of Biological Sciences to assess the effectiveness of the curriculum.
- Junior and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses. Any 500 level BIO prefix courses will be applied to Biological Science Advanced Study requirements. Consult with faculty advisor to ensure courses are appropriate.
- NOTE: Students completing a major in Biological Sciences and a minor in Chemistry are exempt from the university policy that a maximum of 12 credit hours can be shared between a major and minor. A student must still complete a minimum of 6 upper-division UNC credits (300-400) or UNC approved Study Abroad credits in the minor.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 95 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill Intermediate Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 171 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 110 (4), BIO 111 (4), CHEM 111 (4), CHEM 111L (1) and PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)****2. Required Major — 95 credits**

Take all of the following courses (51 credits):

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
BIO 210	Cell Biology	3
BIO 220	Genetics	4
BIO 351	Microbiology	4
BIO 360	Ecology	4
BIO 465	Evolution	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Laboratory	1
MATH 171	Calculus I for Life Sciences	4
PHYS 220	Introductory Physics I	5
SCI 291	Scientific Writing	3
STAT 250	Statistics for Life Sciences	3

**Organic Chemistry (3-5 credits)**

Choose one of the following options:

CHEM 231	Principles of Organic Chemistry	3
	Or, Complete both:	
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1

**Physiology (4-6 credits)**

Choose one of the following courses:

BIO 350	Human Physiology	4
BIO 354	General Plant Physiology	4

Or complete both of the following courses:

BIO 450	Cell Physiology	3
BIO 466	Animal Physiological Ecology	3

**Plant Organismal Biology (3-4 credits)**

Choose one of the following courses:

BIO 329	Field Botany	3
BIO 330	Plant Systematics	4
BIO 337	Morphogenesis of Algae and Fungi	4
BIO 336	Animal Plant Interactions	3



**Animal Organismal Biology (3-4 credits)**

Choose one of the following courses:

BIO 333	General Parasitology	4
BIO 334	Mammalogy	4
BIO 335	Survey of Fishes, Amphibians and Reptiles	4
BIO 345	Comparative Vertebrate Morphogenesis	4
BIO 362	Principles of Animal Behavior	3
BIO 438	Ornithology	4
BIO 466	Animal Physiological Ecology	3

**Supporting courses (10-13 credits)**

Choose three of the following courses, at least one must have a lab:

ANT 332	Modern Human Variation	3
ANT 335	Primate Behavior	3
ANT 430	Human Evolutionary Anatomy	3
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
ENST 205	Environment, Politics and Law	3
ENST 265	Conservation of Natural Resources	3
ENST 315	Nature & Society	3
	or	
GEOG 315	Nature and Society	3
ENST 321	NEPA - Environmental Planning and Compliance	3
ENST 335	Environmental and Resource Economics	3
	or	
ECON 335	Environmental and Resource Economics	3
ENST 345	Environmental Geography: Earth at Risk	3
	or	
GEOG 345	Environmental Geography: Earth at Risk	3
ENST 440	Biogeography	3
	or	
GEOG 440	Biogeography	3
GEOG 210	Introduction to GIS and GPS	3
GEOG 220	Climate and Vegetation	3
GEOG 307	Geographic Information Science	3
GEOG 391	Western Colorado Rivers	3
GEOG 445	Landscape Ecology	3
GEOG 449	Remote Sensing of the Environment	3
GEOL 201	Physical Geology	4
GEOL 202	Historical Geology	4
GEOL 340	Paleontology	4
GEOL 445	Vertebrate Paleontology	3
MET 205	General Meteorology	4
MET 452	Paleoclimatology	3

OCN 301	Physical and Chemical Oceanography	4
OCN 302	Geological and Biological Oceanography	4
PHYS 221	Introductory Physics II	5

**Biological Science Advanced Study**Choose from BIO-prefix courses at the 300 level or higher to bring your Required Major Credits to **95 total**.

Please see course listings in the graduate catalog for additional course options (must be junior or senior with a minimum 3.0 GPA to take graduate level courses). Consult an advisor to ensure that you are taking courses to match your career goals.

**NOTE:** A maximum of 3 credits total of BIO 422, BIO 492, BIO 493, BIO 494, BIO 585 and BIO 592 can count towards the fulfillment of this category.**Capstone Professional Experience (1 credit)**

Take one credit (chosen in consultation with faculty advisor to help match career goals) from:

BIO 422	Directed Studies	1-3
BIO 492	Internship in Biological Sciences	1-3
BIO 493	Clinical Internship in Biological Sciences	1-3
BIO 494	Practicum in College Biological Science Instruction	1-2

**3. University-Wide Credits — 0 credits\***\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BIOLOGICAL SCIENCES B.S. – LIBERAL ARTS CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Mitchell E. McGlaughlin, Ph.D., School Director

**Location:** Ross Hall 2480

**Telephone:** 970.351.2921

**Website:** [www.unco.edu/nhs/biology](http://www.unco.edu/nhs/biology)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program. The school's transfer advisor can be reached at 970.351.2921.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This program places emphasis on a broad understanding of the biological principles underlying all living systems. Undergraduates entering this program should have a strong interest in Biological Sciences and have completed general high school science and mathematics requirements. Given the technical nature of some required courses, additional preparatory coursework may be required for students with limited previous STEM experience.

Students successfully completing this program will be prepared to choose from a varied range of careers that require a solid foundation of biology knowledge in addition to other science and technology training. Such career paths include nursing, business, biotechnology industries, private consulting, scientific writing, curation of museums, foundation and non-profit positions, government, scientific illustration, and many others.

Students will also be prepared to continue their education in graduate biological sciences programs (microbiology, genetics, molecular biology, cell biology, physiology, organismal biology, ecology, evolutionary biology, etc.).

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

The State of Colorado has mandated that institutions of higher education assess student outcomes resulting from their college education. The School of Biological Sciences requires that all undergraduate students entering under this Catalog meet the following conditions in addition to meeting the graduation requirements of the University:

- In the senior year of study all undergraduates will take a standardized assessment administered by the School of Biological Sciences to assess the effectiveness of the curriculum.
- Juniors and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses. Any 500 level BIO prefix courses will be applied to Biological Science Advanced Study requirements. Consult with faculty advisor to ensure courses are appropriate.
- NOTE: Students completing a major in Biological Sciences and a minor in Chemistry are exempt from the university policy that a maximum of 12 credit hours can be shared between a major and minor. A student must still complete a minimum of 6 upper-division UNC credits (300-400) or UNC approved Study Abroad credits in the minor.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 85 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill Intermediate Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 110 (4), BIO 111 (4), CHEM 111 (4), CHEM 111L (1) and PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 85 credits**

Take all of the following courses (51 credits):

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
BIO 210	Cell Biology	3
BIO 220	Genetics	4
BIO 351	Microbiology	4
BIO 360	Ecology	4
BIO 465	Evolution	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
PHYS 220	Introductory Physics I	5
SCI 291	Scientific Writing	3
STAT 150	Introduction to Statistical Analysis	3

**Supporting STEM Courses (12 credits)**

Choose any courses at the 300-level or higher from among those with the following course prefixes: CHEM, MATH, PHYS, ESCI, FND, DIET, NURS, SOC, PSY.

**Capstone Professional Experience (1 credit)**

Take one credit (chosen in consultation with faculty advisor to help match career goals) from:

BIO 422	Directed Studies	1-3
BIO 492	Internship in Biological Sciences	1-3
BIO 493	Clinical Internship in Biological Sciences	1-3
BIO 494	Practicum in College Biological Science Instruction	1-2

**Biological Science Advanced Study**

Choose from BIO-prefix courses at the 200 level or higher to bring your Required Major Credits to **85 total**.

Please see course listings in the graduate catalog for additional course options (must be a junior or senior with a minimum 3.0 GPA to take graduate level courses). Consult with faculty advisor to match your career goals.

**NOTE:** A maximum of 3 credits total of BIO 422, BIO 492, BIO 493, and BIO 494 can count towards the fulfillment of this category.

**3. University-Wide Credits — 4-17 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 4-17 credits depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BIOLOGICAL SCIENCES B.S. – PRE-HEALTH AND BIOMEDICAL SCIENCES CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Mitchell E. McGlaughlin, Ph.D., School Director

**Location:** Ross Hall 2480

**Telephone:** 970.351.2921

**Website:** [www.unco.edu/nhs/biology](http://www.unco.edu/nhs/biology)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program. The school's transfer advisor can be reached at 970.351.2921.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This concentration is intended for premed and other students having an interest in the human and animal health professions. This program meets the minimal requirements for admittance to most professional schools of health science. Undergraduates entering this program should have a strong interest in Biological Sciences and have completed general high school science and mathematics requirements. Given the technical nature of some required courses, additional preparatory coursework may be required for students with limited previous STEM experience.

Students who successfully complete the program will be prepared for admission to medical, veterinary, dentistry, chiropractic, or paramedical professional programs. They will also be prepared to continue their education in a wide range of graduate programs as diverse as microbiology and human physiology.

This would also be an appropriate concentration for students interested in working in health communication, pharmaceutical sales, hospitals, biotechnology companies,

or government laboratories such as the Centers for Disease Control.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

The State of Colorado has mandated that institutions of higher education assess student outcomes resulting from their college education. The School of Biological Sciences requires that all undergraduate students entering under this Catalog meet the following conditions in addition to meeting the graduation requirements of the University:

- In the senior year of study all undergraduates will take a standardized assessment administered by the School of Biological Sciences to assess the effectiveness of the curriculum.
- Junior and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses. Any 500 level BIO prefix courses will be applied to Biological Science Advanced Study requirements. Consult with faculty advisor to ensure courses are appropriate.
- NOTE: Students completing a major in Biological Sciences and a minor in Chemistry are exempt from the university policy that a maximum of 12 credit hours can be shared between a major and minor. A student must still complete a minimum of 6 upper-division UNC credits (300-400) or UNC approved Study Abroad credits in the minor.

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### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill Intermediate Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*MATH 171 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

##### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

*BIO 110 (4), BIO 111 (4), CHEM 111 (4), CHEM 111L (1) and PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 95 credits

Take all of the following courses (59 credits):

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
BIO 210	Cell Biology	3
BIO 220	Genetics	4
BIO 341	Human Anatomy	4
BIO 350	Human Physiology	4
BIO 351	Microbiology	4
BIO 360	Ecology	4
BIO 465	Evolution	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Laboratory	1
MATH 171	Calculus I for Life Sciences	4
PHYS 220	Introductory Physics I	5
STAT 250	Statistics for Life Sciences	3
SCI 291	Scientific Writing	3

### Choose from the following Chemistry options (3-5 credits)

	Complete both	
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
	or complete	
CHEM 231	Principles of Organic Chemistry	3

### Biomedical Electives — Choose at least 15 credits from the following courses (15-18 credits):

BIO 320	Introduction to Medical Genetics	3
BIO 325	Introduction to Cancer Biology	3
BIO 328	Introduction to Developmental Biology	3
BIO 333	General Parasitology	4
BIO 381	Principles of Immunology	3
BIO 425	Molecular Genetics	3
BIO 442	Molecular and Cellular Laboratory	2
BIO 448	Pathobiology	3
BIO 450	Cell Physiology	3
BIO 476	Pharmacology	3
BIO 481	Introduction to Neurobiology	3

CHEM 332	Organic Chemistry II and	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 381	Principles of Biochemistry and	3
CHEM 381L	Principles of Biochemistry Lab	1
PHYS 221	Introductory Physics II	5

**NOTE:** Medical, dental and some other health professional schools (pharmacy, veterinary, etc.) will require PHYS 221, CHEM 332, CHEM 332L, and other courses. If you need to take two semesters of biochemistry or do not need a biochemistry lab, enroll in CHEM 481 (CHEM 481L optional) and CHEM 482 (CHEM 482L optional) instead of CHEM 381 and CHEM 381L. Graduate level courses may be substituted for some of the courses above. Consult an advisor to ensure that you are taking courses to match your career goals.

### Professional Supporting Course - Take one of the following options (3 credits):

ANT 110	Introduction to Cultural Anthropology	3
ANT 355	Medical Anthropology	3
BAMG 350	Management and Organizational Behavior	3
COMM 100	Basics of Public Speaking	3
FND 245	Introduction to Nutrition	3
LEAD 100	Fundamentals of Leadership	3
PHIL 250	Medical Ethics	3
PSY 120	Principles of Psychology	3
PSY 255	Introduction to Mental Health	3
SOC 100	Principles of Sociology	3

**NOTE:** Medical, dental and some other health professional schools (pharmacy, veterinary, etc.) require specific courses from the list above. Not all courses run in all semesters. Consult an advisor to ensure that you are taking courses to match your career goals.

### Biological Science Advanced Study

Choose from BIO-prefix courses at the 300 level or higher to bring your Required Major Credits to **95 total**.

Please see course listings in the graduate catalog for additional course options (must be a junior or senior with a minimum 3.0 GPA to take graduate level courses). Consult an advisor to ensure that you are taking courses to match your career goals.

**NOTE:** A maximum of 3 credits total of BIO 422, BIO 492, BIO 493, and BIO 494 can count towards the fulfillment of this category.

**Capstone Professional Experience (1 credit)**

Take one credit (chosen in consultation with faculty advisor to help match career goals) from:

BIO 422	Directed Studies	1-3
BIO 492	Internship in Biological Sciences	1-3
BIO 493	Clinical Internship in Biological Sciences	1-3
BIO 494	Practicum in College Biological Science Instruction	1-2

**3. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

**BIOLOGICAL SCIENCES B.S. – LICENSURE:  
SCIENCE (GRADES 7-12)**


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**PROGRAM OVERVIEW****College of Natural and Health Sciences**

**Contact:** Mitchell E. McGlaughlin Ph.D., School Director

**Location:** Ross Hall 2480

**Telephone:** 970.351.2921

**Website:** [www.unco.edu/nhs/biology](http://www.unco.edu/nhs/biology)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program. The school's transfer advisor can be reached at 970.351.2921.

Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

This program leads to State of Colorado licensure in secondary science. Students receive training in biological sciences content and pedagogy plus a wide range of additional support science content. They should have an interest in teaching and have evidence of working successfully with young people. Undergraduates entering this program should have a strong interest in Biological Sciences and have completed general high school science and mathematics requirements. Given the technical nature of some required courses, additional preparatory coursework may be required for students with limited previous STEM experience.

Students will meet licensure requirements of the Colorado Department of Education for teaching secondary science (grades 7-12).

Upon completion of this program, students will also be able to continue their education in graduate programs in the biological sciences. Prior to Student Teaching, students must pass the PRAXIS Science Examination.

### **Program Admission Requirements:**

Academic Good Standing

### **Program Requirements:**

- The State of Colorado has mandated that institutions of higher education assess student outcomes resulting from their college education. The School of Biological Sciences requires that all undergraduate students entering under this Catalog meet the following conditions in addition to meeting the graduation requirements of the University:
- In the senior year of study all undergraduates will take a standardized assessment administered by the School of Biological Sciences to assess the effectiveness of the curriculum.
- Junior and seniors with a cumulative GPA of 3.00 or higher are permitted to take 500-level courses. Any 500 level BIO prefix courses will be applied to Biological Science Advanced Study requirements. Consult with faculty advisor to ensure courses are appropriate.
- NOTE: Students completing a major in Biological Sciences and a minor in Chemistry are exempt from the university policy that a maximum of 12 credit hours can be shared between a major and minor. A student must still complete a minimum of 6 upper-division UNC credits (300-400) or UNC approved Study Abroad credits in the minor.

### **PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- GPA > 2.50
- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to

obtain a fingerprint background check, which is required by the Colorado Department of Education.)

- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 63 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill Intermediate Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 110 (4), BIO 111 (4), CHEM 111 (4) and CHEM 111L (1) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 63 credits**

Take all of the following courses (55 credits):

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
BIO 210	Cell Biology	3
BIO 220	Genetics	4
BIO 351	Microbiology	4
BIO 360	Ecology	4
BIO 465	Evolution	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
GEOL 201	Physical Geology	4
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5
SCI 291	Scientific Writing	3
STAT 150	Introduction to Statistical Analysis	3

**Physiology, choose one of the following courses (4 credits):**

BIO 350	Human Physiology	4
BIO 354	General Plant Physiology	4

**Earth Sciences, choose one of the following courses (4 credits):**

AST 100	The Sky and Planets	4
MET 205	General Meteorology	4
OCN 302	Geological and Biological Oceanography	4

AST 100 and MET 205: (LAC)

**3. Required PTEP — 38 credits**

**Phase I (5 credits taken concurrently).**

EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

**Phase II (8 credits taken concurrently)**

STEP 262	Observation and Analysis of Secondary Teaching II	2
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Phase III (11 credits taken concurrently)**

STEP 363	Clinical Experience: Secondary	2
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
SCED 441	Methods of Teaching Secondary School Science	3

ECLD 340: may be taken outside of Phase III

**Phase IV (14 credits)**

STEP 464	Secondary Student Teaching	1-14
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**4. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.



## BUSINESS ADMINISTRATION B.S. – ACCOUNTING CONCENTRATION

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

**Contact:** Jacob Rose, Ph.D., Chair

**Location:** Kepner 2090

**Telephone:** 970.351.2855

**Website:** [mcb.unco.edu/programs/business-administration/accounting.aspx](http://mcb.unco.edu/programs/business-administration/accounting.aspx)

#### Advising Information:

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

**Vision:** Enrich society and accounting practice by transforming students into exemplary citizens and professionals.

**Mission:** Provide excellent accounting education that prepares students for successful meaningful careers and responsible global citizenship. Conduct and publish research that enriches accounting practice and education. Engage the accounting profession, our community, and other stakeholders through active involvement in both professional and community organizations.

#### Values:

- Student connections with faculty
- Student placement and lifelong relationships - "Always a Bear!"
- Engagement with the profession and community
- Ethical awareness and application
- Creative problem solving
- Independent and lifelong learning

#### Program Learning Goals:

- Broad knowledge of key business concepts
- Effective communication skills
- Conceptual and analytical skills
- Technology Skills
- Conceptual understanding of accounting ethics

- Technical accounting knowledge

A student who has successfully completed the accounting program requirements with no grade below a 'C' will be eligible to sit for the CPA Exam in Colorado. For Colorado CPA licensure, the student will need 150 credit hours including an additional 9 hours of accounting courses and 6 hours of business courses. These additional courses may be obtained through the accounting program's Master of Accounting program outlined in UNC's Graduate Catalog. Specific course requirements for Colorado CPA licensure may be obtained from the Colorado Board of Accountancy website.

Students completing the program are able to qualify for a broad range of opportunities including public accounting, industrial accounting, governmental and other not-for-profit accounting, as well as entrance to graduate programs.

#### Program Admission Requirements:

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095.

#### Degree Requirement Notes:

Students are reminded that to graduate with a Business Administration degree, a student must attain a 2.0 or greater cumulative Business GPA, and at least a "C-" grade in each individual Business Administration Core, concentration and business elective courses.

Business coursework may be transferred toward a Business degree according to the following limits:

- A maximum of 12 credit hours may be transferred into the Business Core and
- A maximum of 9 credit hours may be transferred into Required Concentration and Elective Concentration and
- A maximum of 6 credit hours may be transferred into Business Electives.

#### Program Requirements:

- All students in the program must complete a Professional Experience prior to graduation. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the

Professional Experience required workshops. For more information please visit the Professional Experience website.

- The total number of credits in accounting coursework cannot exceed 30 credits of 300 and 400 level accounting courses.
- Students interested in taking the CPA exam should consider taking six credits of their business electives in accounting courses, such as BAAC 429. Students interested in taking other professional exams, such as the CMA, CFP, CFM, CISA, should consult their advisor for suggested electives.
- In addition to fulfilling the basic requirements for the Bachelor of Science degree in Business Administration, a graduation requirement is the achievement of a cumulative grade point average of 2.00 for all upper division (300/400-level) accounting (BAAC) courses completed at the University of Northern Colorado.
- In addition to fulfilling the basic requirements for the Bachelor of Science degree in Business Administration students must attain at least a grade of "C-" or better in the Required Concentration Credits, Elective Concentration Credits, and Elective Major Credits in order to count towards graduation.
- BAAC 495 Special Topics or any Executive Professor class may be substituted for an Accounting elective with the approval of the Chair of the Department of Accounting and CIS.

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

The program recommends that you choose one of the following courses for Intermediate Communication:

*BA 205 Business Communication OR ENG 123 College Research Paper Writing.*

Either course will fulfill both a major requirement and the Liberal Arts Curriculum requirement.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

The program recommends that you take the following courses:

*MATH 124 College Algebra or STAT 150 Introduction to Statistical Analysis.*

*Both courses are required for the major. Either one of them will fulfill the 3 credit hour math requirement in the Liberal Arts Curriculum.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

The program recommends the following courses in the Social & Behavioral Sciences category.

*ECON 203 Principles of Macroeconomics AND ECON 205 Principles of Microeconomics*

*PSY 120 Introduction to Psychology OR PSY 265 Social Psychology OR SOC 100 Introduction to Sociology*

Both economics courses and one of the other three courses are required for the major. Any one of them can be used to fulfill the Liberal Arts Curriculum requirement of 3 credits in Social and Behavioral Sciences. A second one can be used to fulfill the requirement of an additional course (3 credits) in Arts & Humanities, History or Social and Behavioral Sciences.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 91-92 credits**

**(Required Supporting Credits — 28 credits)**

The following courses are required as part of the Business major, some of which will also count towards the Liberal Arts Curriculum.

BA 205	Business Communications	3
	or	
ENG 123	College Research Paper	3
BACS 101	Business Computing	3
BAMG 125	Taking Care of Business	3
COMM 100	Basics of Public Speaking	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3

MATH 124	College Algebra	4
PSY 120	Principles of Psychology	3
	or	
PSY 265	Social Psychology	3
	or	
SOC 100	Principles of Sociology	3
STAT 150	Introduction to Statistical Analysis	3

**(Business Core Credits — 30 credits)**

Take all of the following courses:

BAAC 220	Principles of Accounting I	3
BAAC 221	Principles of Accounting II	3
BAFN 231	Legal Environment of Business	3
BAFN 240	Introduction to Personal Financial Planning	3
BACS 300	Information Systems	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BAFN 370	Business Finance	3
BAMG 390	Operations Management and Data Analytics	3
BAMG 456	Strategic Management	3

BAMG 456 is the capstone course for Business majors and is designed to be taken in the student's last semester.

**(Accounting Concentration Credits — 24 credits)**

Take all of the following courses:

BAAC 320	Intermediate Accounting I	3
BAAC 321	Intermediate Accounting II	3
BAAC 323	Cost and Managerial Accounting I	3
BAAC 325	Income Tax I	3
BAAC 328	Accounting Systems	3
BAAC 421	Advanced Topics in Accounting	3
BAAC 424	Accounting Ethics	3
BAAC 425	Auditing I	3

**(Elective Major Credits — 6 credits)**

Take six (6) semester credit hours from BA 251 or BACS 200 or BACS 287 or any other 300/400 level business course not already counted in Business Core, Concentration or Concentration electives.

(BAAC 301 and BAFN 302 may not be used.)

	Any 300 or 400-level business electives (BA prefix) except for BAAC 301 and BAFN 302	
	or	
BA 251	International Business	3
	or	
BACS 200	Web Design and Development for Small Business	3
	or	
BACS 287	Fundamentals of Programming	3

**3. University-Wide Credits — 1-13 credits\***

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 13 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BUSINESS ADMINISTRATION B.S. – COMPUTER INFORMATION SYSTEMS CONCENTRATION

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### PROGRAM OVERVIEW

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#### Kenneth W. Monfort College of Business

**Contact:** Jacob Rose, Ph.D., Chair

**Location:** Kepner 2090

**Telephone:** 970.351.2855

**Website:** [mcb.unco.edu/programs/business-administration/computer-information-systems.aspx](http://mcb.unco.edu/programs/business-administration/computer-information-systems.aspx)

#### Advising Information:

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

**Vision:** Enrich society and accounting practice by transforming students into exemplary citizens and professionals.

**Mission:** Provide excellent accounting education that prepares students for successful meaningful careers and responsible global citizenship. Conduct and publish research that enriches accounting practice and education. Engage the accounting profession, our community, and other stakeholders through active involvement in both professional and community organizations.

#### Values:

- Student connections with faculty
- Student placement and lifelong relationships - "Always a Bear!"
- Engagement with the profession and community
- Ethical awareness and application
- Creative problem solving
- Independent and lifelong learning

#### Program Learning Goals:

- Broad knowledge of key business concepts
- Effective communication skills
- Conceptual and analytical skills
- Technology Skills

- Conceptual understanding of accounting ethics
- Technical accounting knowledge

The primary objective of the Computer Information Systems Concentration is to provide the applicable coursework and experiences to allow graduates to secure industry positions in the fields of programming, systems analysis, systems design, database design/administration and telecommunications/networking. The program is also designed to prepare students with a solid academic background suitable for graduate work in computer information systems.

Within the curriculum, particular attention is paid to the strategic nature of technology. In the CIS program, students acquire knowledge of computer programming, networking, systems analysis and design, database management systems, decision support systems and e-commerce.

Graduates of the CIS program usually enter the job market as programmers/analysts or networking personnel. Subsequent positions may include systems analysts, database administrators and network administration. For the most part, the graduate's activities will focus on creating and implementing software and procedures used to service large and small organizations including manufacturing, retail, wholesale, financial, insurance, communications and government groups.

#### Program Admission Requirements:

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095.

#### Degree Requirement Notes:

Students are reminded that to graduate with a Business Administration degree, a student must attain a 2.0 or greater cumulative Business GPA, and at least a "C-" grade in each individual Business Administration Core Course, concentration and business elective courses.

Business coursework may be transferred toward a Business degree according to the following limits:

- A maximum of 12 credit hours may be transferred into the Business Core and

- A maximum of 9 credit hours may be transferred into Required Concentration and Elective Concentration and
- A maximum of 6 credit hours may be transferred into Business Electives.

**Program Requirements:**

- All students in the program must complete a Professional Experience prior to graduation. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the Professional Experience required workshops. For more information please visit the Professional Experience website.
- In addition to fulfilling the basic requirements for the Bachelor of Science degree in Business Administration students must attain at least a grade of "C-" or better in the Required Concentration Credits, Elective Concentration Credits, and Elective Major Credits in order to count towards graduation.
- BACS 495 Special Topics in CIS may be repeated. A maximum of 6 credits may be applied to the student’s degree program. With the written approval of the CIS department chair, an Executive Professor Special Topics course may be substituted for BACS 495 Special Topics in CIS.

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

The program recommends that you choose one of the following courses for Intermediate Communication:

*BA 205 Business Communication OR ENG 123 College Research Paper Writing.*

Either course will fulfill both a major requirement and the Liberal Arts Curriculum requirement.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

The program recommends that you take the following courses:

*MATH 124 College Algebra or STAT 150 Introduction to Statistical Analysis.*

*Both courses are required for the major. Either one of them will fulfill the 3 credit hour math requirement in the Liberal Arts Curriculum.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

The program recommends the following courses in the Social & Behavioral Sciences category.

*ECON 203 Principles of Macroeconomics AND ECON 205 Principles of Microeconomics*

*PSY 120 Introduction to Psychology OR PSY 265 Social Psychology OR SOC 100 Introduction to Sociology*

Both economics courses and one of the other three courses are required for the major. Any one of them can be used to fulfill the Liberal Arts Curriculum requirement of 3 credits in Social and Behavioral Sciences. A second one can be used to fulfill the requirement of an additional course (3 credits) in Arts & Humanities, History or Social and Behavioral Sciences.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 88 credits**

**(Required Supporting Credits — 28 credits)**

The following courses are required as part of the Business major, some of which will also count towards the Liberal Arts Curriculum.

BA 205	Business Communications	3
	or	
ENG 123	College Research Paper	3
BACS 101	Business Computing	3
BAMG 125	Taking Care of Business	3
COMM 100	Basics of Public Speaking	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3

MATH 124	College Algebra	4
PSY 120	Principles of Psychology	3
	or	
PSY 265	Social Psychology	3
	or	
SOC 100	Principles of Sociology	3
STAT 150	Introduction to Statistical Analysis	3

**(Business Core Credits — 30 credits)**

Take all of the following courses:

BAAC 220	Principles of Accounting I	3
BAAC 221	Principles of Accounting II	3
BAFN 231	Legal Environment of Business	3
BAFN 240	Introduction to Personal Financial Planning	3
BACS 300	Information Systems	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BAFN 370	Business Finance	3
BAMG 390	Operations Management and Data Analytics	3
BAMG 456	Strategic Management	3

BAMG 456 is the capstone course for Business majors and is designed to be taken in the student’s last semester.

**(CIS Concentration Credits — 18 credits)**

Take all of the following courses:

BACS 287	Fundamentals of Programming	3
BACS 380	Networking and Data Communications Systems	3
BACS 387	Object Oriented Systems Development	3
BACS 485	Database Management Systems	3
BACS 487	Systems Analysis and Design	3
BACS 488	Senior CIS Project	3

**(Elective CIS Concentration Credits — 6 credits)**

Choose two of the following courses:

BACS 350	Intermediate Web Development	3
BACS 371	Introduction to Computer Forensics	3
BACS 382	Information Security	3
BACS 383	Designing User Experiences	3
BACS 385	Fundamentals of Project Management	3
BACS 392	Systems Platforms and Network Development	3
BACS 495	Special Topics in CIS	1-3

**(Elective Major Credits — 6 credits)**

Take six (6) semester credit hours from BA 251 or BACS 200 or any other 300/400 level business course not already counted in Business Core, Concentration or Concentration electives.

(BAAC 301 and BAFN 302 may not be used.)

Any 300 or 400-level business electives (BA prefix) except for BAAC 301 and BAFN 302

	or	
BA 251	International Business	3
	or	
BACS 200	Web Design and Development for Small Business	3

**3. University-Wide Credits — 1-13 credits\***

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 13 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BUSINESS ADMINISTRATION B.S. – FINANCE CONCENTRATION

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

**Contact:** Joseph French, Ph.D., Chair

**Location:** Kepner 1055

**Telephone:** 970.351.2275

**Fax:** 970.351.1097

**Website:** [mcb.unco.edu/programs/business-administration/finance.aspx](http://mcb.unco.edu/programs/business-administration/finance.aspx)

#### Advising Information:

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Finance Concentration provides students with a thorough foundation in finance while also preparing graduates for a wide range of finance related careers or graduate studies. Students may elect a traditional finance curriculum or any one of the three curriculum tracks designed to prepare students for nationally recognized certifications such as Chartered Financial Analyst (CFA), Certified Financial Planner (CFP), or Certified in Financial Management (CFM).

#### Program Admission Requirements:

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095.

#### Degree Requirement Notes:

Students are reminded that to graduate with a Business Administration degree, a student must attain a 2.0 or greater cumulative Business GPA and at least a "C-" grade

in each individual Business Administration Core, concentration and business elective courses.

Business coursework may be transferred toward a Business degree according to the following limits:

- A maximum of 12 credit hours may be transferred into the Business Core and
- A maximum of 9 credit hours may be transferred into Required Concentration and Elective Concentration and
- A maximum of 6 credit hours may be transferred into Business Electives.

#### Program Requirements:

- All students in the program must complete a Professional Experience prior to graduation. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the Professional Experience required workshops. For more information please visit the Professional Experience website.
- In addition to fulfilling the basic requirements for the Bachelor or Science degree in Business Administration students must attain at least a grade of "C-" or better in the Required Concentration Credits, Elective Concentration Credits, and Major Elective Credits in order to count towards graduation.
- Students interested in the field of Financial Planning and/or who want to sit for the CFP™ Certification Exam should take the following elective courses: BAFN 340, BAFN 479, BAAC 320 and BAAC 325.
- Students interested in the field of investments and/or who want to prepare for the CFA® exam should take the following courses as their Elective Concentration Credits: BAFN 479, BAFN 478, and BAAC 320.
- Students interested in the field of corporate financial management and/or who want to prepare for the CFM exam should take the following courses as their Elective Concentration Credits: BAAC 320, BAAC 323 and BAFN 479.
- Students interested in the field of banking should take the following courses as their Elective Concentration Credits: BAFN 473, BAFN 479 and one other course from the list of Elective Concentration Credits.
- BAFN 495 Special Topics or any Executive Professor class may be substituted for a finance elective with the approval of the Chair of the Department of Finance.

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

The program recommends that you choose one of the following courses for Intermediate Communication:

*BA 205 Business Communication OR ENG 123 College Research Paper Writing.*

Either course will fulfill both a major requirement and the Liberal Arts Curriculum requirement.

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

The program recommends that you take the following courses:

*MATH 124 College Algebra or STAT 150 Introduction to Statistical Analysis.*

*Both courses are required for the major. Either one of them will fulfill the 3 credit hour math requirement in the Liberal Arts Curriculum.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

The program recommends the following courses in the Social & Behavioral Sciences category.

*ECON 203 Principles of Macroeconomics AND ECON 205 Principles of Microeconomics*

*PSY 120 Introduction to Psychology OR PSY 265 Social Psychology OR SOC 100 Introduction to Sociology*

Both economics courses and one of the other three courses are required for the major. Any one of them can be used to fulfill the Liberal Arts Curriculum requirement of 3 credits in Social and Behavioral Sciences. A second one can be used to fulfill the requirement of an additional course (3 credits) in Arts & Humanities, History or Social and Behavioral Sciences.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. Required Major — 88 credits**

#### **(Required Supporting Credits — 28 credits)**

The following courses are required as part of the Business major, some of which will also count towards the Liberal Arts Curriculum.

BA 205	Business Communications	3
	or	
ENG 123	College Research Paper	3
BACS 101	Business Computing	3
BAMG 125	Taking Care of Business	3
COMM 100	Basics of Public Speaking	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
MATH 124	College Algebra	4
PSY 120	Principles of Psychology	3
	or	
PSY 265	Social Psychology	3
	or	
SOC 100	Principles of Sociology	3
STAT 150	Introduction to Statistical Analysis	3

#### **(Business Core Credits — 30 credits)**

Take all of the following courses:

BAAC 220	Principles of Accounting I	3
BAAC 221	Principles of Accounting II	3
BAFN 231	Legal Environment of Business	3
BAFN 240	Introduction to Personal Financial Planning	3
BACS 300	Information Systems	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BAFN 370	Business Finance	3
BAMG 390	Operations Management and Data Analytics	3
BAMG 456	Strategic Management	3

BAMG 456 is the capstone course for Business majors and is designed to be taken in the student's last semester.

#### **(Finance Concentration Credits — 15 credits)**

Take all of the following courses:

BAFN 371	Financial Markets and Institutions	3
BAFN 375	Multinational Financial Management	3
BAFN 379	Investments	3
BAFN 470	Financial Management	3



BAFN 474	Case Problems in Financial Management	3
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**(Elective Finance Concentration Credits — 9 credits)**

Choose three of the following courses:

BAAC 320	Intermediate Accounting I	3
BAAC 323	Cost and Managerial Accounting I	3
BAFN 340	Principles of Risk and Insurance	3
BAFN 372	Introduction to Real Estate	3
BAFN 473	Commercial Bank Management	3
BAFN 478	Student and Foundation Fund	3
BAFN 479	Portfolio Management	3

*BAFN 478: Only three credits may count toward this category. Students may take the class two times, for six credits, with instructor approval, but the second three credits are business electives and not "Elective Finance Concentration Credits."*

**(Elective Major Credits — 6 credits)**

Take six (6) semester credit hours from BA 251 or BACS 200 or BACS 287 or any other 300/400 level business course not already counted in Business Core, Concentration or Concentration electives.

(BAAC 301 and BAFN 302 may not be used.)

Any 300 or 400-level business electives (BA prefix) except for BAAC 301 and BAFN 302

or

BA 251	International Business	3
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or

BACS 200	Web Design and Development for Small Business	3
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or

BACS 287	Fundamentals of Programming	3
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**3. University-Wide Credits — 1-13 credits\***

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 13 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BUSINESS ADMINISTRATION B.S. – GENERAL BUSINESS CONCENTRATION

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

General Business courses and faculty are dispersed throughout the various business departments.

**Contact:** Jacob Rose, Ph.D.

**Location:** Kepner 1055

**Telephone:** 970.351.2855

**Website:** [mcb.unco.edu/programs/business-administration/accounting.aspx](http://mcb.unco.edu/programs/business-administration/accounting.aspx) and [mcb.unco.edu/programs/business-administration/computer-information-systems.aspx](http://mcb.unco.edu/programs/business-administration/computer-information-systems.aspx)

or

**Contact:** Joseph French, Ph.D.

**Location:** Kepner 1055

**Telephone:** 970.351.2275

**Fax:** 970.351.1097

**Website:** [mcb.unco.edu/programs/business-administration/finance.aspx](http://mcb.unco.edu/programs/business-administration/finance.aspx)

or

**Contact:** Isaac Wanasika, Ph.D.

**Location:** Kepner 1090

**Telephone:** 970.351.2088

**Website:** [mcb.unco.edu/programs/business-administration/management.aspx](http://mcb.unco.edu/programs/business-administration/management.aspx)

or

**Contact:** Denny McCorkle, D.B.A.

**Location:** Kepner 1055

**Telephone:** 970.351.2275

**Website:** [mcb.unco.edu/programs/business-administration/marketing.aspx](http://mcb.unco.edu/programs/business-administration/marketing.aspx)

#### Advising Information:

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

*General Business courses and faculty are dispersed throughout the various business departments.*

The General Business Concentration prepares students for a wide variety of careers in business, the management of small or family-owned businesses and graduate study in business administration.

Students complete coursework in each of the functional areas of business: accounting, finance, computer information systems, management and marketing. The General Business Concentration is designed to prepare students for a broad range of entry-level positions in business organizations. The program is not intended to provide specialized study. The broad-based nature of the curriculum makes the General Business program appropriate for students intending to manage a family-owned or small business.

#### **Program Admission Requirements:**

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095.

#### **Degree Requirement Notes:**

Students are reminded that to graduate with a Business Administration degree, a student must attain a 2.0 or greater cumulative Business GPA and at least a "C-" grade in each individual Business Administration Core course.

Business coursework may be transferred toward a Business degree according to the following limits:

- A maximum of 12 credit hours may be transferred into the Business Core and
- A maximum of 9 credit hours may be transferred into Required Concentration and Elective Concentration and
- A maximum of 6 credit hours may be transferred into Business Electives.

#### **Program Requirements:**

- All students in the program must complete a Professional Experience prior to graduation. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the Professional Experience required workshops. For more information please visit the Professional Experience website.

- In addition to fulfilling the basic requirements for the Bachelor of Science degree in Business Administration students must attain at least a grade of "C-" or better in the Required Concentration Credits, Elective Concentration Credits, and Elective Major Credits in order to count towards graduation.
- A cumulative grade point average of 2.00 or better must be earned in the Required Concentration Credits and Elective Concentration Credits categories in order for the course to count toward graduation. With the written approval of the Dean, students may make the following course substitutions:
  - Students may substitute a senior-level Special Topics course for a required concentration course with the same prefix.
  - Students with a 3.0 or higher GPA may substitute BAMG 407/BAMK 407 Small Business Counseling for any approved BAMG or BAMK required concentration course.
  - BA 495 Special Topics or any Executive Professor class may be substituted for a General Business elective with the approval of the Dean.

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

The program recommends that you choose one of the following courses for Intermediate Communication:

*BA 205 Business Communication OR ENG 123 College Research Paper Writing.*

Either course will fulfill both a major requirement and the Liberal Arts Curriculum requirement.

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

The program recommends that you take the following courses:

*MATH 124 College Algebra or STAT 150 Introduction to Statistical Analysis.*

Both courses are required for the major. Either one of them will fulfill the 3 credit hour math requirement in the Liberal Arts Curriculum.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

The program recommends the following courses in the Social & Behavioral Sciences category.

*ECON 203 Principles of Macroeconomics AND ECON 205 Principles of Microeconomics*

*PSY 120 Introduction to Psychology OR PSY 265 Social Psychology OR SOC 100 Introduction to Sociology*

Both economics courses and one of the other three courses are required for the major. Any one of them can be used to fulfill the Liberal Arts Curriculum requirement of 3 credits in Social and Behavioral Sciences. A second one can be used to fulfill the requirement of an additional course (3 credits) in Arts & Humanities, History or Social and Behavioral Sciences.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 88 credits**

**(Required Supporting Credits — 28 credits)**

The following courses are required as part of the Business major, some of which will also count towards the Liberal Arts Curriculum.

BA 205	Business Communications	3
	or	
ENG 123	College Research Paper	3
BACS 101	Business Computing	3
BAMG 125	Taking Care of Business	3
COMM 100	Basics of Public Speaking	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
MATH 124	College Algebra	4
PSY 120	Principles of Psychology	3
	or	
PSY 265	Social Psychology	3
	or	
SOC 100	Principles of Sociology	3

STAT 150 Introduction to Statistical Analysis 3

**(Business Core Credits — 30 credits)**

Take all of the following courses:

BAAC 220	Principles of Accounting I	3
BAAC 221	Principles of Accounting II	3
BAFN 231	Legal Environment of Business	3
BAFN 240	Introduction to Personal Financial Planning	3
BACS 300	Information Systems	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BAFN 370	Business Finance	3
BAMG 390	Operations Management and Data Analytics	3
BAMG 456	Strategic Management	3

BAMG 456 is the capstone course for Business majors and is designed to be taken in the student's last semester.

**(General Business Concentration Credits — 21 credits)**

Take all of the following courses:

BAFN 332	Business Administration and the Law	3
BAFN 340	Principles of Risk and Insurance	3
BAMK 368	Marketing Analysis and Research	3
BAMK 464	Global Marketing Strategies	3
BAFN 470	Financial Management	3

**Choose one of the following courses:**

BAMG 353	Human Resources Management	3
	or	
BAMG 451	Managing New Business Ventures	3

**Choose one of the following courses:**

BAAC 320	Intermediate Accounting I	3
	or	
BAAC 323	Cost and Managerial Accounting I	3

**(Elective Major Credits — 9 credits)**

Take nine (9) semester credit hours from BA 251 or BACS 200 or BACS 287 or any other 300/400 level business course not already counted in Business Core, Concentration or Concentration electives.

(BAAC 301 and BAFN 302 may not be used.)

	Any 300 or 400-level business electives (BA prefix) except for BAAC 301 and BAFN 302	
	or	
BA 251	International Business	3
	or	
BACS 200	Web Design and Development for Small Business	3
	or	
BACS 287	Fundamentals of Programming	3

### 3. University-Wide Credits — 1-13 credits\*

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 13 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BUSINESS ADMINISTRATION B.S. – MANAGEMENT CONCENTRATION

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### PROGRAM OVERVIEW

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#### Kenneth W. Monfort College of Business

**Contact:** Isaac Wanasika, Ph.D., Chair

**Location:** Kepner 1090

**Telephone:** 970.351.1882

**Website:** [mcb.unco.edu/programs/business-administration/management.aspx](http://mcb.unco.edu/programs/business-administration/management.aspx)

#### Advising Information:

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Management is a dynamic field encompassing a wide variety of career choices. Through coursework in the Management concentration, students will learn to think strategically about organizations and how they interact with the environment. Students will gain an understanding of people and how to recruit, select, and lead them in an organizational setting. Students will also learn how to manage in a global environment and to be socially responsible and ethical in their business dealings.

The primary objective of the Management Concentration is to prepare students for entry-level management positions in business, not-for-profit organizations, and government. The concentration also prepares students for continuing education in MBA or other relevant master's degree programs.

#### Program Admission Requirements:

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095

**Degree Requirement Notes:**

Students are reminded that to graduate with a Business Administration degree, a student must attain a 2.0 or greater cumulative Business GPA and at least a "C-" grade in each individual Business Administration Core, concentration and business elective courses.

Business coursework may be transferred toward a Business degree according to the following limits:

- A maximum of 12 credit hours may be transferred into the Business Core and
- A maximum of 9 credit hours may be transferred into Required Concentration and Elective Concentration and
- A maximum of 6 credit hours may be transferred into Business Electives.

**Program Requirements:**

- All students in the program must complete a Professional Experience prior to graduation. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the Professional Experience required workshops. For more information please visit the Professional Experience website.
- In addition to fulfilling the basic requirements for the Bachelor of Science degree in Business Administration students must attain at least a grade of "C-" or better in the Required Concentration Credits, Elective Concentration Credits, and Elective Major Credits in order to count towards graduation.
- BAMG 495 Special Topics or any Executive Professor class may be substituted for a Management elective with the approval of the Chair of the Department of Management.

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

The program recommends that you choose one of the following courses for Intermediate Communication:

*BA 205 Business Communication OR ENG 123 College Research Paper Writing.*

Either course will fulfill both a major requirement and the Liberal Arts Curriculum requirement.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

The program recommends taking the following courses:

*MATH 124 College Algebra or STAT 150 Introduction to Statistical Analysis.*

*Both courses are required for the major. Either one of them will fulfill the 3 credit hour math requirement in the Liberal Arts Curriculum.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

The program recommends the following courses in the Social & Behavioral Sciences category.

*ECON 203 Principles of Macroeconomics AND ECON 205 Principles of Microeconomics*

*PSY 120 Introduction to Psychology OR PSY 265 Social Psychology OR SOC 100 Introduction to Sociology*

Both economics courses and one of the other three courses are required for the major. Any one of them can be used to fulfill the Liberal Arts Curriculum requirement of 3 credits in Social and Behavioral Sciences. A second one can be used to fulfill the requirement of an additional course (3 credits) in Arts & Humanities, History or Social and Behavioral Sciences.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum** (p. 70)

**2. Required Major — 88 credits****(Required Supporting Credits — 28 credits)**

The following courses are required as part of the Business major, some of which will also count towards the Liberal Arts Curriculum.

BA 205	Business Communications	3
	or	
ENG 123	College Research Paper	3

BACS 101	Business Computing	3
BAMG 125	Taking Care of Business	3
COMM 100	Basics of Public Speaking	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
MATH 124	College Algebra	4
PSY 120	Principles of Psychology	3
	or	
PSY 265	Social Psychology	3
	or	
SOC 100	Principles of Sociology	3
STAT 150	Introduction to Statistical Analysis	3

**(Business Core Credits — 30 credits)**

Take all of the following courses:

BAAC 220	Principles of Accounting I	3
BAAC 221	Principles of Accounting II	3
BAFN 231	Legal Environment of Business	3
BAFN 240	Introduction to Personal Financial Planning	3
BACS 300	Information Systems	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BAFN 370	Business Finance	3
BAMG 390	Operations Management and Data Analytics	3
BAMG 456	Strategic Management	3

BAMG 456 is the capstone course for Business majors and is designed to be taken in the student's last semester.

**(Management Concentration Credits — 12 credits)**

Take all of the following courses:

BAMG 353	Human Resources Management	3
BAMG 452	Business Ethics	3
BAMG 457	Organizational Theory & Design	3
BAMG 458	International Management	3

**(Elective Management Concentration Credits — 12 credits)**

Choose four of the following courses:

BAAC 323	Cost and Managerial Accounting I	3
BAFN 470	Financial Management	3
BAMG 355	Fundamentals of Entrepreneurship	3
BAMG 407	Small Business Counseling	3
	or	
BAMK 407	Small Business Counseling	3
BAMG 453	Advanced Topics in Human Resources Management	3
BAMG 410	Innovation and Entrepreneurship	3
BAMG 411	Social Entrepreneurship	3
BAMG 412	Sustainable Innovation	3
BAMG 451	Managing New Business Ventures	3
BAMG 454	Leadership in Organizations	3
BAMG 459	Management of Quality	3

BAMG 461	Talent Management	3
BAMG 462	Training & Organization Development	3
BAMG 463	Compensation, Performance Management and Conflict Management	3
BAMG 494	Nonprofit Management	3
BAMG 495	Special Topics in Management	1-3

BAMG 495: Repeatable, under different subtitles.

**(Elective Major Credits — 6 credits)**

Take six (6) semester credit hours from BA 251 or BACS 200 or BACS 287 or any other 300/400 level business course not already counted in Business Core, Concentration or Concentration electives.

(BAAC 301 and BAFN 302 may not be used.)

	Any 300 or 400-level business electives (BA prefix) except for BAAC 301 and BAFN 302	
	or	
BA 251	International Business	3
	or	
BACS 200	Web Design and Development for Small Business	3
	or	
BACS 287	Fundamentals of Programming	3

**3. University-Wide Credits — 1-13 credits\***

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 13 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## BUSINESS ADMINISTRATION B.S. – MARKETING CONCENTRATION

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### PROGRAM OVERVIEW

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#### Kenneth W. Monfort College of Business

**Contact:** Denny McCorkle, D.B.A., Chair

**Location:** Kepner 2090 C

**Telephone:** 970.351.1140

**Website:** [mcb.unco.edu/programs/business-administration/marketing.aspx](http://mcb.unco.edu/programs/business-administration/marketing.aspx)

#### Advising Information:

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

In a highly competitive, global marketplace it is essential that organizations understand and rapidly respond to the needs of their customers. To develop and maintain a sustainable competitive advantage, it is essential that organizations understand how to identify target markets and develop marketing strategies that will provide satisfaction to those markets. To do this, organizations employ individuals who can analyze markets and develop comprehensive marketing programs, which include product, promotion, pricing, and distribution strategies. A Bachelor of Science degree in Business Administration with a concentration in Marketing equips students with the knowledge and necessary skills to succeed in careers that require that they develop and implement marketing strategies. The concentration also equips students for graduate study in marketing and business administration.

There are a wide variety of career paths in organizations open to graduates in marketing. Marketing is a significant functional area in virtually all modern organizations. A sample of marketing career areas may include the following: product management, retail management, marketing research, distribution management, logistics management, industrial buying, digital marketing, international marketing, promotion management, professional selling, sales management, and advertising management. Graduates are prepared for marketing careers in public, private, governmental, and non-profit organizations.

#### Program Admission Requirements:

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095.

#### Degree Requirement Notes:

Students are reminded that to graduate with a Business Administration degree, a student must attain a 2.0 or greater cumulative Business GPA and at least a "C-" grade in each individual Business Administration Core, concentration and business elective courses.

Business coursework may be transferred toward a Business degree according to the following limits:

- A maximum of 12 credit hours may be transferred into the Business Core and
- A maximum of 9 credit hours may be transferred into Required Concentration and Elective Concentration and
- A maximum of 6 credit hours may be transferred into Business Electives.

#### Program Requirements:

- All students in the program must complete a Professional Experience prior to graduation. A for-credit internship, if completed satisfactorily, will fulfill the work experience component of the Professional Experience. All students must complete the Professional Experience required workshops. For more information please visit the Professional Experience website.
- In addition to fulfilling the basic requirements for the Bachelor of Science degree in Business Administration students must attain at least a grade of "C-" or better in the Required Concentration Credits, Elective Concentration Credits, and Elective Major Credits in order to count towards graduation.

Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the school director and college dean to determine its appropriateness to the major requirements.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

The program recommends that you choose one of the following courses for Intermediate Communication:

*BA 205 Business Communication OR ENG 123 College Research Paper Writing.*

Either course will fulfill both a major requirement and the Liberal Arts Curriculum requirement.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

The program recommends that you take the following courses:

*MATH 124 College Algebra or STAT 150 Introduction to Statistical Analysis.*

*Both courses are required for the major. Either one of them will fulfill the 3 credit hour math requirement in the Liberal Arts Curriculum.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

The program recommends the following courses in the Social & Behavioral Sciences category.

*ECON 203 Principles of Macroeconomics AND ECON 205 Principles of Microeconomics*

*PSY 120 Introduction to Psychology OR PSY 265 Social Psychology OR SOC 100 Introduction to Sociology*

Both economics courses and one of the other three courses are required for the major. Any one of them can be used to fulfill the Liberal Arts Curriculum requirement of 3 credits in Social and Behavioral Sciences. A second one can be used to fulfill the requirement of an additional course (3 credits) in Arts & Humanities, History or Social and Behavioral Sciences.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 88 credits**

**(Required Supporting Credits — 28 credits)**

The following courses are required as part of the Business major, some of which will also count towards the Liberal Arts Curriculum.

BA 205	Business Communications	3
	or	
ENG 123	College Research Paper	3
BACS 101	Business Computing	3
BAMG 125	Taking Care of Business	3
COMM 100	Basics of Public Speaking	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
MATH 124	College Algebra	4
PSY 120	Principles of Psychology	3
	or	
PSY 265	Social Psychology	3
	or	
SOC 100	Principles of Sociology	3
STAT 150	Introduction to Statistical Analysis	3

**(Business Core Credits — 30 credits)**

Take all of the following courses:

BAAC 220	Principles of Accounting I	3
BAAC 221	Principles of Accounting II	3
BAFN 231	Legal Environment of Business	3
BAFN 240	Introduction to Personal Financial Planning	3
BACS 300	Information Systems	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BAFN 370	Business Finance	3
BAMG 390	Operations Management and Data Analytics	3
BAMG 456	Strategic Management	3

BAMG 456 is the capstone course for Business majors and is designed to be taken in the student’s last semester.

**(Marketing Concentration Credits — 12 credits)**

Take all of the following courses:

BAMK 361	Consumer Behavior	3
BAMK 368	Marketing Analysis and Research	3
BAMK 464	Global Marketing Strategies	3
BAMK 490	Marketing Strategies	3



**(Elective Marketing Concentration Credits — 12 credits)**

Choose four courses from 300/400-level courses with a minimum of two (2) from the 400-level courses:

BA 460	International Business and Culture	3
BAMK 364	Selling and Sales Management	3
BAMK 365	Advertising and Promotion	3
BAMK 366	Omni Channel Retail	3
BAMK 371	Digital Marketing	3
BAMK 407	Small Business Counseling	3
	or	
BAMG 407	Small Business Counseling	3
BAMK 444	Web and Digital Ad Analytics	3
BAMK 461	Advertising Campaigns	3
BAMK 468	Business-to-Business Marketing	3
BAMK 469	Supply Chain Management	3
BAMK 478	Social Media Marketing	3
BAMK 494	Seminar in Digital Marketing	3
BAMK 495	Special Topics in Marketing	1-3

BAMK 494: May be repeatable under different subtitles for Elective Marketing Concentration.

BAMK 495: May be repeatable under different subtitles up to 6 credit hours for Elective Marketing Concentration.

**(Elective Major Credits — 6 credits)**

Take six (6) semester credit hours from BA 251 or BACS 200 or BACS 287 or any other 300/400 level business course not already counted in Business Core, Concentration or Concentration electives.

(BAAC 301 and BAFN 302 may not be used.)

	Any 300 or 400-level business electives (BA prefix) except for BAAC 301 and BAFN 302	
	or	
BA 251	International Business	3
	or	
BACS 200	Web Design and Development for Small Business	3
	or	
BACS 287	Fundamentals of Programming	3

**3. University-Wide Credits — 1-13 credits\***

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 13 credits of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

**CHEMISTRY B.S. – BIOCHEMISTRY CONCENTRATION (ACS CERTIFIED)****PROGRAM OVERVIEW****College of Natural and Health Sciences**

**Contact:** Department of Chemistry and Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

This program is designed to give students a broad background in chemistry and biology. Students will have the opportunity to work with a faculty member on an independent research project in chemistry. Students receiving this degree can be certified by the American Chemical Society. See advisor for details.

Students graduating with this concentration will be prepared to pursue graduate study in chemistry, biochemistry, molecular biology, environmental health, professional schools (e.g., medicine, dentistry, veterinary medicine and other health-related areas) or obtain an entry position within the chemical or biotechnological industry.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- All students in the program must take an assessment examination before graduation.
- Students majoring in chemistry must earn a grade of "C" or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the major.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**Program Recommendations:**

- Graduate level CHEM courses are recommended for juniors and seniors. Other recommended electives include MATH 221, MATH 335, STAT 150, PHYS 321 and PHYS 343.
- It is recommended that students have a fundamental background in computers.
- Juniors and seniors are required to participate in Chemistry and Biochemistry’s undergraduate research program.
- Qualifying students may be eligible for a five-year program resulting in a B.S./M.S. degree. Consult your advisor early in your program for details.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 89-91 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and BIO 110 (4) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 89-91 credits**

Take all of the following courses:

BIO 110	Biology: Atoms to Cells	4
BIO 210	Cell Biology	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 441	Inorganic Chemistry I	3
CHEM 481	General Biochemistry I	3
CHEM 481L	Experimental Biochemistry I	1
CHEM 482	General Biochemistry II	3
CHEM 482L	Experimental Biochemistry II	1
CHEM 499	Seminar and Research in Chemistry	1-3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
SCI 291	Scientific Writing	3

CHEM 499: Take 2 credits

**Take two of the following courses (7-8 credits):**

BIO 220	Genetics	4
BIO 351	Microbiology	4
BIO 450	Cell Physiology	3

**Take one of these two combinations (CHEM 451/451L and CHEM 452/452L) (5 credits):**

CHEM 451	Physical Chemistry I	4
CHEM 451L	Physical Chemistry I Laboratory	1
CHEM 452	Physical Chemistry II	4
CHEM 452L	Physical Chemistry II Laboratory	1

**Take two of the following four (lecture + lab) combinations (CHEM 421, CHEM 442/443, 451/451L, and CHEM 452/452L) (8-9 credits):**

CHEM 421	Instrumental Analysis	4
CHEM 442	Inorganic Chemistry II	3
CHEM 443	Inorganic Chemistry Laboratory	1
CHEM 451	Physical Chemistry I	4

CHEM 451L	Physical Chemistry I Laboratory	1
CHEM 452	Physical Chemistry II	4
CHEM 452L	Physical Chemistry II Laboratory	1

### 3. University-Wide Credits — 0 credits\*

\*Note: Students must apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

#### Program Notes

Students wishing to participate in the Honors Program should consult their advisors about Liberal Arts Curriculum selections and other requirements.

## CHEMISTRY B.S. – CHEMISTRY CONCENTRATION (ACS CERTIFIED)

### PROGRAM REVIEW

#### College of Natural and Health Sciences

**Contact:** Department of Chemistry and Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This program is designed to give students a broad background and an in-depth foundation in chemistry. Students will work with a faculty member on an independent research project in chemistry. Students receiving this degree can be certified by the American Chemical Society. See advisor for details.

Students graduating with this concentration are prepared to pursue graduate study in chemistry, professional schools (e.g., chemical engineering, medicine, dentistry, veterinary medicine and other health sciences) or an entry-level position with a chemical or petroleum company.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- All students in the program must take an assessment examination before graduation.
- Students majoring in chemistry must earn a grade of "C" or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the major.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**Program Recommendations:**

- Graduate level CHEM courses are recommended for juniors and seniors. Other recommended electives include MATH 221, MATH 335, STAT 150, PHYS 321 and PHYS 343.
- It is recommended that students have a fundamental background in computers.
- Juniors and seniors are expected to participate in Chemistry and Biochemistry’s undergraduate research program.
- Qualifying students may be eligible for a five-year program resulting in a B.S./M.S. degree. Consult your advisor early in your program for details.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 75-76 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and PHYS 240 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 75-76 credits**

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 441	Inorganic Chemistry I	3
CHEM 481	General Biochemistry I	3
CHEM 481L	Experimental Biochemistry I	1
CHEM 499	Seminar and Research in Chemistry	1-3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
SCI 291	Scientific Writing	3

CHEM 499: Take 2 credits

**Take one of these two combinations (CHEM 451/451L and CHEM 452/452L) (5 credits):**

CHEM 451	Physical Chemistry I	4
CHEM 451L	Physical Chemistry I Laboratory	1
CHEM 452	Physical Chemistry II	4
CHEM 452L	Physical Chemistry II Laboratory	1

**Take three of the following five (lecture + lab) combinations (CHEM 421, CHEM 442/443, CHEM 451/451L, CHEM 452/452L, and CHEM 482/482L) (12-13 credits):**

CHEM 421	Instrumental Analysis	4
CHEM 442	Inorganic Chemistry II	3
CHEM 443	Inorganic Chemistry Laboratory	1
CHEM 451	Physical Chemistry I	4
CHEM 451L	Physical Chemistry I Laboratory	1
CHEM 452	Physical Chemistry II	4
CHEM 452L	Physical Chemistry II Laboratory	1
CHEM 482	General Biochemistry II	3
CHEM 482L	Experimental Biochemistry II	1

**3. University-Wide Credits — 13-14 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 13-14 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

Students wishing to participate in the Honors Program should consult their advisors about Liberal Arts Curriculum selections and other requirements.

## CHEMISTRY B.S. – FORENSIC SCIENCE CONCENTRATION

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**PROGRAM OVERVIEW****College of Natural and Health Sciences**

**Contact:** Department of Chemistry and Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Minor
4. University-Wide Credits

**Program Description:**

This program is designed to prepare students to enter the field of forensic science by providing them with background courses in chemistry, physics, sociology and criminal justice along with laboratory experiences as research and an internship. Students completing this degree concentration who wish to pursue graduate study in one of the areas of chemistry may be required to complete additional course work in physical chemistry and/or mathematics and biology depending on the entrance requirements of the specific graduate school.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- All students in the program must take an assessment examination before graduation.
- Students majoring in chemistry must earn a grade of “C” or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the major.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**Program Recommendations:**

- Graduate level CHEM courses are recommended for juniors and seniors. Other recommended electives include courses in statistics, sociology, criminal justice, anthropology, or additional courses in mathematics.
- It is recommended that students have a fundamental background in computers.
- Juniors and seniors are expected to participate in the Department of Chemistry and Biochemistry's undergraduate research program.
- Qualifying students may be eligible for a five-year program resulting in a B.S./M.S. degree. Consult your advisor early in your program for details.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 66 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and BIO 110 (4) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 66 credits****Take all of the following courses:**

BIO 110	Biology: Atoms to Cells	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 381	Principles of Biochemistry	3
CHEM 381L	Principles of Biochemistry Lab	1
CHEM 421	Instrumental Analysis	4
CHEM 422	Directed Studies	1-3
CHEM 425	Forensic Chemistry	4
CHEM 441	Inorganic Chemistry I	3
CHEM 450	Survey of Physical Chemistry	3
CHEM 450L	Survey of Physical Chemistry Laboratory	1
CHEM 499	Seminar and Research in Chemistry	1-3
MATH 131	Calculus I	4
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5
SCI 291	Scientific Writing	3

CHEM 422: Take 0-2 credits

CHEM 499: Take 0-2 credits

CHEM 422 and CHEM 499: Take 2 credits total between those two courses.

**3. Required Minor — 18 Credits**

A minor in Criminology and Criminal Justice or Anthropology (p. 365) is required.

**4. University-Wide Credits — 5 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 5 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

Students wishing to participate in the Honors Program should consult their advisors about Liberal Arts Curriculum selections and other requirements.

## CHEMISTRY B.S. – INDUSTRIAL CHEMISTRY CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Department of Chemistry and Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Minor Credits
4. University-Wide Credits

#### Program Description:

This concentration offers training in chemistry, mathematics, physics and a minor area selected by the student. The course of study provides a solid foundation in chemistry and specific background knowledge about the chemical industry.

Students completing this concentration can pursue a career in the chemical, medical, pharmaceutical or biotechnology industries; or in related government agencies. Career options include supervision, process evaluation, quality control, pilot scale operation, management and sales. Students considering graduate study in chemistry may be required to complete additional coursework in physical chemistry and/or mathematics depending on the entrance requirements of specific graduate schools.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- All students in the program must take an assessment examination before graduation.
- Students majoring in chemistry must earn a grade of "C" or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the major.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any

major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**Program Recommendations:**

- Graduate level CHEM courses are recommended for juniors and seniors. Other recommended electives include MATH 132, MATH 221, MATH 335, STAT 150, PHYS 321 and PHYS 343.
- It is recommended that students have a fundamental background in computers.
- Juniors and seniors are expected to participate in Chemistry and Biochemistry’s undergraduate research program.
- Qualifying students may be eligible for a five-year program resulting in a B.S./M.S. degree. Consult your advisor early in your program for details.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 57-58 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ECON 203 (3) is recommended to fulfill Social and Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences*

*requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 57-58 credits**

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 421	Instrumental Analysis	4
CHEM 441	Inorganic Chemistry I	3
CHEM 450	Survey of Physical Chemistry	3
CHEM 450L	Survey of Physical Chemistry Laboratory	1
MATH 131	Calculus I	4
ECON 203	Principles of Macroeconomics	3
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5
SCI 291	Scientific Writing	3

Consult your advisor for additional coursework to complement this concentration.

**Take one of these two courses (2-3 credits):**

CHEM 360	Environmental Chemistry	2
ENST 235	Chemistry and the Environment	3

**3. Required Minor — 18 credits**

**4. University-Wide Credits — 13-14 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 13-14 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

It is recommended to take one credit of CHEM 422 or CHEM 499.

Students wishing to participate in the Honors Program should consult their advisors about Liberal Arts Curriculum selections and other requirements.



## CHEMISTRY B.S. – PRE-HEALTH CONCENTRATION

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Department of Chemistry and Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This program offers training in chemistry, mathematics and physics with a broad base in biological sciences and biochemistry. It provides a solid foundation in chemistry and biological sciences for those students planning to pursue professional studies in dentistry, medicine, optometry, podiatry, pharmacy or veterinary medicine.

Students completing this degree concentration will meet the prerequisites to the professional schools listed above. Acceptance into these schools is competitive and students should register with and be advised by a faculty member in the School of Chemistry and Biochemistry. Students completing this degree concentration who wish to pursue graduate study in chemistry may be required to complete additional coursework in physical chemistry and/or mathematics depending on the entrance requirements of the specific graduate school.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- All students in the program must take an assessment examination before graduation.
- Students majoring in chemistry must earn a grade of "C" or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the major.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any

major or minor requirements. Any exception to this policy is at the discretion of the academic program.

#### Program Recommendations:

- Graduate level CHEM courses are recommended for juniors and seniors. Other recommended electives include MATH 132, MATH 221, MATH 335, STAT 150, PHYS 321 and PHYS 343.
- It is recommended that students have a fundamental background in computers.
- Juniors and seniors are expected to participate in Chemistry and Biochemistry's undergraduate research program.
- Qualifying students may be eligible for a five-year program resulting in a B.S./M.S. degree. Consult your advisor early in your program for details.

Pre-Medical, Pre-Dental, Pre-Optometry, Pre-Veterinary, Pre-Podiatry, and Pre-Pharmacy

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 74 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and BIO 110 (4) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

**2. Required Major — 74 credits**

Take all of the following courses:

BIO 110	Biology: Atoms to Cells	4
BIO 210	Cell Biology	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 441	Inorganic Chemistry I	3
CHEM 450	Survey of Physical Chemistry	3
CHEM 450L	Survey of Physical Chemistry Laboratory	1
CHEM 481	General Biochemistry I	3
CHEM 481L	Experimental Biochemistry I	1
CHEM 482	General Biochemistry II	3
CHEM 482L	Experimental Biochemistry II	1
MATH 131	Calculus I	4
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5
SCI 291	Scientific Writing	3

**Choose two of the following courses:**

BIO 341	Human Anatomy	4
BIO 350	Human Physiology	4
BIO 351	Microbiology	4

**Choose one course from the CS or STAT prefixes (3 credits)**

Any CS or STAT prefix course	3
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**3. University-Wide Credits — 15 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 15 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements

will have an increased number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

Students wishing to participate in the Honors Program should consult their advisors about Liberal Arts Curriculum selections and other requirements.

## CHEMISTRY B.S. – LICENSURE: SCIENCE (GRADES 7-12)

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Department of Chemistry & Biochemistry

**Location:** Ross Hall 3480

**Email:** chemistry@unco.edu

**Website:** www.unco.edu/nhs/chemistry

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

This program is designed to prepare students as secondary school chemistry teachers licensed in science by the Colorado Department of Education. In addition to a strong background in chemistry, students will receive training in biological sciences, physics, earth sciences and mathematics. Students receiving this degree can be certified by the American Chemical Society. See advisor for details.

Students graduating with this degree concentration will be well prepared to teach chemistry and other sciences in junior and senior high school. Students completing this program will be prepared to pursue graduate study in chemical education or science education.

The program will take four-five years to complete depending on high school background and the point in the educational career at which the program is entered.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- All students in the program must take an assessment examination before graduation.

- Students majoring in chemistry must earn a grade of "C" or better (C- is not acceptable) in all courses having a CHEM and SCED prefix which count toward the major.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

#### Program Recommendations:

- Graduate level CHEM courses are recommended for juniors and seniors. Other recommended electives include MATH 132, MATH 221, MATH 335, STAT 150, PHYS 321 and PHYS 343.
- It is recommended that students have a fundamental background in computers.
- Qualifying students may be eligible for a five-year program resulting in a B.S./M.S. degree. Consult your advisor early in your program for details.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.

- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program. Students must consult with their major advisor to receive information on any additional graduation requirements.

## DEGREE REQUIREMENTS — 120-121 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120-121 credits as outlined, the program recommends the below LAC courses that also count toward the 66-67 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill Intermediate Written Communication requirement and will fulfill both the major requirements and the liberal arts curriculum.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [MS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*CHEM 111 (4), CHEM 111L (1), and BIO 110 (4) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 66-67 credits

Take all of the following courses:

BIO 110	Biology: Atoms to Cells	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 321	Chemical Analysis	4
CHEM 441	Inorganic Chemistry I	3
CHEM 450	Survey of Physical Chemistry	3
CHEM 450L	Survey of Physical Chemistry Laboratory	1
MATH 131	Calculus I	4
PHYS 220	Introductory Physics I	5
SCI 291	Scientific Writing	3

#### Choose one of the following courses:

AST 100	The Sky and Planets	4
MET 205	General Meteorology	4

#### Choose one of the following courses (2-3 credits):

CHEM 360	Environmental Chemistry	2
ENST 235	Chemistry and the Environment	3

#### Science Licensure

BIO 111	Biology: Organisms to Ecosystems	4
GEOL 201	Physical Geology	4
PHYS 221	Introductory Physics II	5

### 3. Required PTEP — 36 credits

#### Phase I (5 credits taken concurrently).

EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

#### Phase II (8 credits taken concurrently)

STEP 262	Observation and Analysis of Secondary Teaching II	2
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 349	Educational Psychology for Secondary Teachers	3

#### Phase III (11 credits taken concurrently)

STEP 363	Clinical Experience: Secondary	2
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ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
SCED 441	Methods of Teaching Secondary School Science	3

ECLD 340: may be taken outside of Phase III

**Phase IV (12 credits).**

STEP 464	Secondary Student Teaching	1-14
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**4. University-Wide Credits — 0 credits\***

\*Note: Students must apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120-121 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

This degree has received an exemption from the state to exceed the 120 credit hour limit.

**ACS Certification obtained by completing the following:**

CHEM 381	Principles of Biochemistry	3
CHEM 381L	Principles of Biochemistry Lab	1
CHEM 421	Instrumental Analysis	4
CHEM 442	Inorganic Chemistry II	3
CHEM 443	Inorganic Chemistry Laboratory	1
CHEM 451	Physical Chemistry I	4
CHEM 451L	Physical Chemistry I Laboratory	1
CHEM 452	Physical Chemistry II	4
CHEM 452L	Physical Chemistry II Laboratory	1
MATH 132	Calculus II	4
MATH 233	Calculus III	4

**Program Notes**

All Students in the program must take an assessment examination before graduation. Students wishing to participate in the Honors Program should consult their advisors about LAC selections and other requirements.

A minimum grade point average of 2.5 in chemistry courses and a successful interview with members of the chemistry faculty are required for admission to PTEP, for eligibility to student teach, and for graduation.

Transfer students must take chemistry courses from two different UNC faculty before applying for admission to PTEP.

## COMMUNICATION SCIENCES AND DISORDERS B.S.

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Department of Communication Sciences and Disorders

**Location:** Gunter 1400

**Telephone:** 970.351.2734

**Website:** [www.unco.edu/nhs/audiology-speech-language-sciences/](http://www.unco.edu/nhs/audiology-speech-language-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Communication Sciences and Disorders undergraduate program offers a pre-professional bachelor's degree in audiology and speech-language sciences. Training focuses on a broad-based education with emphasis on: the sciences, anatomy and physiology, psychology, development of audition, language and speech, principles of hearing science, technical instrumentation and problem solving. Students learn about individuals with communication disorders due to head injury, stroke, ear disease, noise exposure, vocal disease and misuse, autism, developmental delays, brain injury, genetics and many other issues. Additionally, students will explore the science behind how we talk, formulate language, hear and process our auditory environment, as well as how to diagnose, treat, and prevent communication disorders. Students who have interests in medical fields, applied sciences, psychology, acoustics, music or education are encouraged to consider audiology and speech-language sciences.

The degree program can be modified to serve as an excellent undergraduate foundation for entry into master's degree programs in Special Education, Rehabilitative Counseling, Public Health or Gerontology. Students interested in pursuing this option should see their advisor.

#### Program Admission Requirements:

Academic Good Standing

**Program Requirements:**

- In addition to fulfilling the specified major requirements for the Bachelor of Science degree in Communication Sciences and Disorders, a grade of “C-” or better must be earned in all of the Required Major Credit courses in order for the courses to count toward the major.
- In addition, the University requirement of a UNC cumulative grade point average of at least 2.00 for graduation must also be met.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 63-70 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*ENG 123 (3) or SCI 291 (3) is recommended to fulfill Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*STAT 150 (3) and MATH 124 (4) or MATH 125 (3) or MATH 127 (4) or MATH 131 (4) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*CSD160 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

*In addition, one course with either a PSY or SOC prefix from Social & Behavioral Sciences category is recommended to fulfill the additional course required for Arts & Humanities, History, and Social & Behavioral Sciences.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 100 (3) and BIO 105 (1) or BIO 110 (4) and one CHEM or PHYS prefix course are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 63-70 credits**

Take all of the following courses:

ASL 101	American Sign Language I	3
CSD 160	Introduction to Human Communication and Its Disorders	3
CSD 260	Introduction to Phonetics	3
CSD 266	Normal Speech and Language Development	3
CSD 267	Anatomy and Physiology of the Speech and Hearing Mechanism	4
CSD 343	Fundamentals of Physiological and Biological Acoustics	2
CSD 360	Articulation and Voice Disorders	3
CSD 365	Language Disorders in Children	3
CSD 370	Basic Audiology	4
CSD 469	Clinical Processes in Communication Sciences and Disorders	4
CSD 478	Aural Rehabilitation and Amplification	3
BIO 100	Exploring Biology and	3
BIO 105	Exploring Biology Lab or	1
BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
ENG 123	College Research Paper or	3
SCI 291	Scientific Writing	3
LIB 170	Audiology & Speech Language Sciences Library Research	1
MATH 124	College Algebra or	4
MATH 125	Plane Trigonometry or	3
MATH 127	Elementary Functions or	4
MATH 131	Calculus I	4
STAT 150	Introduction to Statistical Analysis	3
	One course with either a PSY or SOC prefix	3
	One course with either CHEM or PHYS prefix	3-5

**Choose at least one option from Group A and one practicum from Group B that aligns with area of interest for graduate studies:**

**Group A:**

**Option 1**

CSD 366	Language Sampling Processes	1
CSD 431	Organically-Based Communication Disorders	3

**Option 2**

CSD 487	Advanced Audiology	3
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**Group B:**

CSD 473	SLPA Seminar and Field Experience	4
CSD 474	Clinical Practicum in Audiology	1
CSD 483	Entry/Primary Speech-Language Pathology Practicum	2

**3. University-Wide Credits — 19-26 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 19-26 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## COMMUNICATION SCIENCES AND DISORDERS B.S. – SECOND BACCALAUREATE

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Department of Communication Sciences and Disorders

**Location:** Gunter 1400

**Telephone:** 970.351.2734

**Website:** [www.unco.edu/nhs/audiology-speech-language-sciences/](http://www.unco.edu/nhs/audiology-speech-language-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Communication Sciences and Disorders undergraduate program offers a pre-professional bachelor's degree in audiology and speech-language sciences. Training focuses on a broad-based education with emphasis on: the sciences, anatomy and physiology, psychology, development of audition, language and speech, principles of hearing science, technical instrumentation and problem solving. Students learn about individuals with communication disorders due to head injury, stroke, ear disease, noise exposure, vocal disease and misuse, autism, developmental delays, brain injury, genetics and many other issues. Additionally, students will explore the science behind how we talk, formulate language, hear and process our auditory environment, as well as how to diagnose, treat, and prevent communication disorders. Students who have interests in medical fields, applied sciences, psychology, acoustics, music or education are encouraged to consider audiology and speech-language sciences.

The degree program can be modified to serve as an excellent undergraduate foundation for entry into master's degree programs in Special Education, Rehabilitation Counseling, Public Health or Gerontology. Students interested in pursuing this option should see their advisor.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- In addition to fulfilling the specified major requirements for the Bachelor of Science degree in Communication Sciences and Disorders, a grade of “C-” or better must be earned in all of the Required Major Credit courses in order for the courses to count toward the major.
- In addition, the University requirement of a UNC cumulative grade point average of at least 2.00 for graduation must also be met.
- Students holding a previous bachelor's degree from an accredited institution in another major and who are seeking a second bachelor's degree in Communication Sciences and Disorders (CSD) may enroll in the program following University of Northern Colorado admission procedures outlined in this catalog. Students should contact the Communication Sciences and Disorders Program at the same time for information regarding specifics of the CSD major. The length of the program for the ASLS second baccalaureate depends on the amount of transfer credits and successful completion of required courses listed for the degree. Students must also meet the university requirements for a second baccalaureate listed previously under student policies and procedures in this catalog.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**DEGREE REQUIREMENTS - 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

Students whose first bachelor's degree is identified as liberal-arts based will be exempted from completing the specific LAC requirements, but still must meet the 120-hour minimum for the degree.

**2. Required Major Credits — Minimum 30 credits**

Take all of the following courses:

CSD 260	Introduction to Phonetics	3
CSD 266	Normal Speech and Language Development	3
CSD 267	Anatomy and Physiology of the Speech and Hearing Mechanism	4
CSD 343	Fundamentals of Physiological and Biological Acoustics	2
CSD 360	Articulation and Voice Disorders	3
CSD 365	Language Disorders in Children	3
CSD 370	Basic Audiology	4

CSD 469	Clinical Processes in Communication Sciences and Disorders	4
CSD 478	Aural Rehabilitation and Amplification	3

In addition to the above coursework, it is recommended that students select from the following courses to achieve the 30 credit minimum:

ASL 101	American Sign Language I	3
CSD 160	Introduction to Human Communication and Its Disorders	3
CSD 366	Language Sampling Processes	1
CSD 431	Organically-Based Communication Disorders	3
CSD 473	SLPA Seminar and Field Experience	4
CSD 487	Advanced Audiology	3
BIO 245	Introduction to Human Anatomy and Physiology	4

Coursework in the following areas is required by the American Speech-Language-Hearing Association to obtain professional certification:

- Statistics
- Psychology or Sociology
- Life Sciences (Biology)
- Physical Science (Chemistry or Physics)

**3. University-Wide Credits — 59 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 59 credits. For most students with a previous bachelor's degree, coursework from the first awarded degree will completely satisfy this requirement.



## COMMUNICATION STUDIES B.A.

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 1265

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/communication-studies

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Minor Credits
4. University-Wide Credits

#### Program Description:

A major in the discipline of communication studies allows the student to examine closely the many ways in which message exchange is the foundation of human societies and cultures. At UNC, communication coursework focuses on theoretical, analytic and practical aspects of human interaction. Students may elect to emphasize the study of communication in interpersonal, small group, organizational and intercultural contexts. Practical skills may be obtained in professional presentation, persuasion, leadership, and communication consulting.

Students completing this program may elect to apply for graduate study in the field of communication, to apply to law or other professional schools, or to begin a career with businesses who are interested in hiring people whose expertise involves human communication.

#### Program Admission Requirements:

Academic Good Standing.

#### Program Requirements:

- Complete a minimum of 15 credits in 300- and 400-level COMM courses, with a minimum of 6 credits at the 400-level, which include the required courses in the major. Note: a maximum of 3 credits of credits from COMM 422 and six credits of COMM 492 may count toward the major requirements.
- Majors may count one course in a related discipline toward their communication electives. This course must be approved by their major advisor.

- Students in the Honors Program may count HON 351 and HON 451 as electives in Communication Studies.
- Students who are not eligible for an internship are required to complete six additional credits of Communication electives.
- Communication Studies majors are required to complete a minor. Because of the wide scope of the major (i.e., communication across multiple contexts, audiences, contexts & purposes), selecting a minor provides an understanding of career-related contexts.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

##### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

##### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 36 credits

##### Take all of the following courses:

COMM 100	Basics of Public Speaking	3
COMM 102	Introduction to Communication	3
COMM 201	Questioning Communication	3
COMM 220	Cultivating Relationships	3
COMM 330	Small Group Communication	3
COMM 343	The Art of Persuasion	3
COMM 491	Communication Theory Capstone	3

##### Choose six credits from the following courses:

COMM 492	Undergraduate Internship	1-10
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or  
Any COMM prefix electives

**Choose nine credits from the following courses:**

COMM 211	Winning Arguments	3
COMM 212	Professional Speaking	3
COMM 221	Nonverbal Communication	3
COMM 223	Intercultural Communication	3
COMM 261	Seminar in Communication	1-3
COMM 324	Family Communication	3
COMM 331	Organizational Communication	3
COMM 341	Courtroom Communication	3
COMM 422	Directed Study	1-3
COMM 431	Communication and Leadership	3
COMM 461	Seminar in Communication	1-3
JMS 490	Television Criticism	3

**3. Required Minor — 18 credits**

**4. University-Wide Credits — 35 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 35 credits.

## COMPUTER SCIENCE B.S.

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Jodie Novak, Ph.D., Chair of Mathematical Sciences

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The B.S. in Computer Science focuses on the design of computers, computational processes for problem-solving, and information transfer and transformation, with an emphasis on improving software and system quality, security, performance, and usability. The program supports the evolution of the computing and informatics disciplines, and the integration of computer and information sciences with other disciplines in the sciences.

Computer Science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including artificial intelligence, computer vision, cybersecurity, graphics, information management, multimedia, networking, and human-computer interaction.

#### Program Admission Requirements:

Academic Good Standing.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill part of the Written Communication requirement, and will fulfill both LAC and major requirements. Then only 3 more credits of currently approved Written Communication courses will be needed.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4), STAT 150 (3) or STAT 250 (3) is recommended to fulfill the Mathematics requirement, and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 61 credits**

**Required Computer Science Courses — 36 credits**

CS 130	Fundamentals of Computer Science	3
CS 160	Structured Programming	3
CS 200	Object-Oriented Analysis, Design, and Programming	3
CS 209	Computer and Data Ethics	3
CS 216	Database Concepts	3
CS 301	Algorithms and Data Structures	3
CS 302	Programming Languages	3
CS 312	Systems Programming	3
CS 350	Software Engineering I	3
CS 440	Operating Systems	3
CS 442	Networking	3
CS 490	Computer Science Capstone	3

**Required Mathematics and Statistics Courses — 13 credits**

MATH 131	Calculus I	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
STAT 150	Introduction to Statistical Analysis	3
	or	

STAT 250	Statistics for Life Sciences	3
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**Major Electives — 9 credits**

Take 9 credits from the following:

BACS 385	Fundamentals of Project Management	3
CS 325	Introduction to Human Computer Interaction	3
CS 330	Mobile Computing	3
CS 395	Special Topics in Computer Science	1-3
CS 401	Theory of Computation	3
CS 432	Fundamentals of Cybersecurity	3
CS 454	Data Mining and Machine Learning	3
CS 456	Neural Networks and Deep Learning	3
CS 497	Senior Project	1-8

**Scientific Writing Requirement — 3 credits**

SCI 291	Scientific Writing	3
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**3. University-Wide Credits — 28-34 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program that will typically be 28-34 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university-wide electives to apply to this degree. See your advisor for details.

## CRIMINOLOGY AND CRIMINAL JUSTICE B.A.

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 2249

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/criminology-criminal-justice

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Department of Criminology and Criminal Justice relies on an interdisciplinary approach to the study of crime, the criminal justice system, and society. Grounded in the liberal arts tradition, the program curriculum encourages students to articulate in writing and in presentations how criminological theories inform policy, how research guides system review and decision-making, and how ethics and cultural awareness promote visionary leadership in the criminal justice system. Through coursework, advising, and internship opportunities, students learn how to serve their communities in a variety of work settings and contribute to the field of criminal justice through advanced education.

All students meeting UNC admission requirements are eligible for admission to the Criminology and Criminal Justice degree program. Currently enrolled UNC students changing their major from undeclared or from another major qualify for admission provided they are not on academic probation.

**NOTE:** Seniors, with permission from instructors, may register for 500-level courses.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- The Criminology and Criminal Justice degree requires a grade of "C" or better (C- is not acceptable) for all courses (regardless of prefix) counting toward the major.

- Time Limitation on Credit Earned Toward a Bachelor's Degree Coursework completed by a student within the preceding 10 years may apply as credit toward a bachelor's degree. Coursework taken before the 10-year limit may be reviewed by the department chair and college dean to determine its appropriateness to the major requirements.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 Credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 40 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 120 (3) is suggested but not required. Any other course from the currently approved LAC course list will fulfill this requirement.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*CRJ 110 (3) is recommended to fulfill the Social and Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 40 credits

Take all of the following courses:

CRJ 110	Introduction to Criminal Justice	3
CRJ 160	Introduction to Crime Theories	3
CRJ 220	Policing Systems	3
CRJ 230	Judicial Process	3
CRJ 240	Correctional Systems	3

CRJ 350	Victim Studies	3
CRJ 360	Theories of Crime	3
CRJ 380	Research Methods in Criminal Justice	3
CRJ 470	Justice Professionalism and Ethics	3
CRJ 475	Race/Ethnicity, Gender, and Social Class in Criminal Justice	3
CRJ 480	Applied Statistics in Criminal Justice	3
LIB 160	Criminal Justice Library Research	1

Students must register for CRJ 380 Research Methods in Criminal Justice and LIB 160 Criminal Justice Library Research at the same time since the courses are taught concurrently.

### Criminal Justice Major Electives

Take two of the following three credit courses or six credits of internship:

CRJ 310	White Collar Crime	3
CRJ 312	Crime Prevention	3
CRJ 317	Cybercrime	3
CRJ 324	Crime Mapping	3
CRJ 335	Juvenile Justice	3
CRJ 352	Domestic Violence Victims & Offenders	3
CRJ 354	Restorative Justice	3
CRJ 362	Criminal Behavior Analysis	3
CRJ 395	Topics in Criminal Justice	1-3
CRJ 408	Workshop	1-3
CRJ 415	Homeland Security	3
CRJ 417	Terrorism in the 21st Century	3
CRJ 422	Directed Studies	1-3
CRJ 492	Internship	1-9

### 3. University-Wide Credits — 49 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 49 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

### Program Notes

Criminology and Criminal Justice majors are strongly encouraged to pursue one or more minors or a second major, which can be completed given the number of additional credit hours needed for degree completion.

## DIETETICS B.S.

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Department of Nutrition and Dietetics

**Location:** Gunter 2280

**Telephone:** 970.351.2755

**Website:** [www.unco.edu/nhs/nutrition-dietetics](http://www.unco.edu/nhs/nutrition-dietetics)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This program is designed for the undergraduate who would like to pursue dietetic registration and/or licensure in several states. The Dietetics major offers a wide range of studies related to foods and nutrition applicable in several health care settings in the community and health care organizations as well as for food service in public, government, and private organizations. The focus of the Bachelor of Science degree is to prepare graduates for dietetic internships and entry-level practice. Physiological, biochemical, and behavioral sciences provide the foundation for study. Social, environmental, cultural and psychological factors affecting food accessibility and dietary intake related to health care are covered. Students also develop human relationship skills and expertise in addressing nutritional needs throughout the life cycle.

The undergraduate Dietetics Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606 (800-877-1600, ext 5400), as a Didactic Program in Dietetics. At the senior level, students are eligible to apply for ACEND accredited dietetic internships. With successful completion of the B.S. Dietetics degree or Didactic Dietetics Education Certificate program at UNC and completion of an accredited internship, the graduate is eligible to take the registration exam to become a Registered Dietitian Nutritionist.

Students interested in Dietetics are accepted as Dietetics-Exploring or Dietetics-Seeking 2nd Bachelors if they meet the general admission requirements of the University. Students designated Dietetics-Exploring or Dietetics-

Seeking 2nd Bachelors will receive academic advisement from members of the Nutrition and Dietetics Program faculty regarding formal application to the Dietetics Program.

### Program Admission Requirements:

The designation of Dietetics-Exploring or Dietetics-Seeking 2nd Bachelors as a major does not assure admission to the Dietetics Program. Students must make a separate application to the Dietetics Program, typically during the spring semester of the sophomore year or when at least 60 credit hours have been completed. Prior to acceptance into the Program, students must have completed BIO 110, BIO 245, CHEM 111 & CHEM 111L, FND 210, FND 250, PSY 120, and STAT 150 with grades of C or better (C- is not acceptable), earned a cumulative GPA of 3.0 or above, and received advisement by a Nutrition and Dietetics faculty member. Upon acceptance, a Major change form will be submitted to declare B.S. Dietetics.

The Department of Nutrition and Dietetics also offers an ACEND accredited Dietetic Internship, a Master of Science in Dietetics combined with the Dietetic Internship, and a stand-alone Master of Science in Dietetics. Application for these programs is separate from the Dietetics B.S. program.

NOTE: Beginning January 1, 2024, the degree requirement for dietitian registration eligibility will be a Master's degree.

### Program Requirements:

Students must maintain a cumulative GPA of 3.0 or above and grades of C or better (C- is not acceptable) in all degree required courses to earn a Verification Statement making them eligible to apply for the accredited dietetic internship programs as the next step toward achieving dietetic registration upon completion of their Dietetics B.S. degree.

For students who already hold a bachelor's degree from a regionally accredited institution, a second degree is not required to become eligible to apply for supervised practice on a path to becoming a registered dietitian. The same requirements for being accepted into the Program as described above apply. If a student does not wish to earn a degree in Dietetics, then enrolling in the Didactic Dietetics Education Certificate Program is appropriate. Students who earn the certificate will also receive a Verification Statement. The certificate does not take the place of the Verification Statement and may not be used for employment or practice purposes. It should be noted that students enrolled in a certificate program only are not eligible for financial aid.

Students may not earn B.S. degrees in both Nutrition and Dietetics from UNC.

Students who earn a B.S. degree in Nutrition or Dietetics cannot minor in Nutrition.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 75 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PSY 120 (3) is recommended to fulfill Social & Behavior Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*BIO 110 (4), CHEM 111 (4), CHEM 111L (1), and FND 250 (3) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 75 credits

Take all of the following courses:

BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 251	Allied Health Microbiology	4

	or		
BIO 351	Microbiology		4
CHEM 111	Principles of Chemistry I		4
CHEM 111L	Principles of Chemistry I Laboratory		1
CHEM 231	Principles of Organic Chemistry		3
CHEM 381	Principles of Biochemistry		3
CHEM 381L	Principles of Biochemistry Lab		1
FND 210	Medical Terminology		2
FND 250	Principles of Nutrition		3
FND 252	Nutrition in the Life Cycle		3
FND 310	Introduction to Foods		2
FND 310L	Introduction to Foods Laboratory		2
FND 320	Nutrition Applications in Foodservice		2
FND 320L	Nutrition Applications in Foodservice Laboratory		1
FND 370	Nutrition Education and Application Strategies		3
FND 410	Professional Development Seminar		2
FND 430	Nutrition Assessment and Intervention		2
FND 430L	Nutrition Assessment and Intervention Laboratory		1
FND 431	Medical Nutrition Intervention		2
FND 431L	Medical Nutrition Intervention Laboratory		1
FND 446	Foodservice Systems Management		3
FND 446L	Foodservice Systems Management Laboratory		1
FND 451	Advanced Nutrition		3
FND 452	Community Nutrition		3
PSY 120	Principles of Psychology		3
SCI 291	Scientific Writing		3
STAT 150	Introduction to Statistical Analysis		3

### 3. University-Wide Credits — 14 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 14 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

#### Program Notes

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major, minor, or licensure requirements. Any exception to this policy is at the discretion of the academic program.

## EARLY CHILDHOOD B.A. – LIBERAL ARTS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

##### School of Teacher Education

McKee 216, Greeley, CO 80639

Telephone: 970.351.2098

Fax: 970.351.1877

Website: [www.unco.edu/cebs/teacher-education/](http://www.unco.edu/cebs/teacher-education/)

##### Center for Urban Education

1059 Alton Way #758, Denver, CO 80230

Telephone: 303.637.4334

Website: [www.unco.edu/cebs/urban-education/](http://www.unco.edu/cebs/urban-education/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Early Childhood Education Teacher Education Program is offered at the Greeley campus and the Center for Urban Education (CUE) at the Denver Center at Lowry. Graduates possess a broad background of knowledge within liberal arts areas and the skills, knowledge, and attitudes needed to be successful in a variety of early childhood settings. In addition to the degree, students are eligible for Colorado Department of Human Resources Director Qualification designation.

#### Program Admission Requirements:

Academic Good Standing

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ELIT 290 Survey of Culturally Diverse Literature for Children is recommended to fulfill Arts & Humanities and U.S. Multicultural Studies requirement and will fulfill both LAC and major requirements.*

*SOC 120 Introduction to Family Studies is recommended, but not required by the major.*

*Note: Additional family courses in Social and Behavioral Science can be approved and substituted by advisor.*

See Arts & Humanities, History, and Social Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 62 credits**

**Take all of the following courses:**

ECLD 350	Teaching Young Bilingual Children	3
EDEC 101	Introduction to Early Childhood Education	3
EDEC 102	Introduction to Early Childhood Education Lab	3
EDEC 103	Guidance Strategies and Trauma Informed Practices for Children	3
EDEC 104	Child Development in Context	3
EDEC 205	Nutrition, Health, and Safety	3
EDEC 220	Curriculum Development: Methods and Techniques	3
EDEC 240	Administration of Early Childhood Care and Education Program	3
EDEC 241	Administration: Human Relations for Early Childhood	3
EDEC 250	Diverse Early Language and Literacy	3
EDEC 330	Development and Education of Infants and Toddlers	3
EDEC 450	Family Diversity and Engagement Early Childhood Education	3
EDEC 455	Creative Expression and Play in Early Childhood	3
EDEC 475	Assessment for Primary Classrooms	3

EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 360	Teaching Foundational Reading Skills	3
EDSE 431	Introduction to Early Childhood Special Education	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3

**Additional Main Campus Requirements:**

Take the following course:

EDEC 262	ECE Practicum Field Experience I	2
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**Additional Urban Education Requirements:**

Take the following course:

EDEC 361	School Programs for Young Children (CUE)	2
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**3. University-Wide Credits — 27 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 27 credits.

**Program Notes**

Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.



## EARLY CHILDHOOD B.A. - LICENSURE: EARLY CHILDHOOD EDUCATION (AGES BIRTH-8)

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

##### School of Teacher Education

McKee 216, Greeley, CO 80639

Telephone: 970.351.2908

Fax: 970.351.1877

Website: [www.unco.edu/cebs/teacher-education](http://www.unco.edu/cebs/teacher-education)

##### Center for Urban Education

1059 Alton Way #758, Denver, CO 802030

Telephone: 303.637.4334

Website: [www.unco.edu/cebs/urban-education/](http://www.unco.edu/cebs/urban-education/)

##### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

##### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Elective Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

##### Program Description:

The Early Childhood Education Teacher Education Program is offered at the Greeley campus and the Center for Urban Education (CUE) at the Denver Center at Lowry. In addition to engaging coursework, students complete over 800 hours of fieldwork in a variety of birth through third grade settings.

Graduates possess a broad background of knowledge within liberal arts areas and the skills, knowledge, and attitudes needed to be successful in a variety of early childhood settings. Upon graduation, students are eligible for a Birth through Age Eight State of Colorado Teacher License that includes the right to teach grades kindergarten through age eight and Director Qualification.

##### Program Admission Requirements:

Academic Good Standing

##### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## DEGREE REQUIREMENTS — 120-121 CREDITS

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### 1. Liberal Arts Curriculum — 31 credits

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ELIT 290 Survey of Culturally Diverse Literature for Children is recommended to fulfill Arts & Humanities and U.S. Multicultural Studies requirement and will fulfill both LAC and major requirements.*

*SOC 120 Introduction to Family Studies is recommended to fulfill Social & Behavior Sciences, but is not required by the major.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 36 credits**

**Take all of the following courses:**

EDEC 101	Introduction to Early Childhood Education	3
EDEC 102	Introduction to Early Childhood Education Lab	3
EDEC 103	Guidance Strategies and Trauma Informed Practices for Children	3
EDEC 104	Child Development in Context	3
EDEC 205	Nutrition, Health, and Safety	3
EDEC 220	Curriculum Development: Methods and Techniques	3
EDEC 240	Administration of Early Childhood Care and Education Program	3
EDEC 241	Administration: Human Relations for Early Childhood	3
EDEC 250	Diverse Early Language and Literacy	3
EDEC 330	Development and Education of Infants and Toddlers	3
ECLD 350	Teaching Young Bilingual Children	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3

**3. Early Childhood PTEP — 52-54 credits**

**Take all of the following courses (Main Campus and Urban Education):**

EDEC 450	Family Diversity and Engagement Early Childhood Education	3
EDEC 455	Creative Expression and Play in Early Childhood	3
EDEC 475	Assessment for Primary Classrooms	3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 360	Teaching Foundational Reading Skills	3
EDSE 431	Introduction to Early Childhood Special Education	3
ET 240	Integration of Technology into Content and Pedagogy	3

**Additional Main Campus PTEP Requirements:**

Take the following course:

EDEC 262	ECE Practicum Field Experience I	2
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**Take all of the following courses concurrently:**

EDEC 461	Early Childhood Curriculum Language Arts	3
EDEC 462	ECE Practicum Field Experience II	2
EDEC 463	Early Childhood Curriculum Social Studies	3
EDEC 465	Managing Early Childhood Classrooms	2
EDEC 481	Early Childhood Curriculum II Mathematics	3
EDEC 482	Early Childhood Curriculum II Science	3

**Student Teaching**

EDEC 490	Early Childhood Student Teaching	6-12
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EDEC 490: Take 12 credit hours.

**Additional Urban Education PTEP Requirements:**

**Take all of the following courses:**

EDEC 361	School Programs for Young Children (CUE)	2
EDEC 461	Early Childhood Curriculum Language Arts	3
EDEC 463	Early Childhood Curriculum Social Studies	3
EDEC 465	Managing Early Childhood Classrooms	2
EDEC 481	Early Childhood Curriculum II Mathematics	3
EDEC 482	Early Childhood Curriculum II Science	3

EDEC 490	Early Childhood Student Teaching	6-12
EDFE 170	Introduction to Field Based Experience	1-3
EDFE 370	Advanced Field Based Experience	1-3

EDEC 490: Must be taken for 6 credits.

EDFE 170: Must be taken for 3 credits; take for 3 semesters, 1 credit each semester.

EDFE 370: Must be taken for 3 credits; take for 3 semesters, 1 credit each semester.

**4. University-Wide Electives — 0-4 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 0-4 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**EARTH SCIENCES B.S. – ENVIRONMENTAL EARTH SCIENCES CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Natural and Health Sciences**

**Contact:** Timothy Grover, Ph.D., Department Chair

**Location:** Ross Hall 3235

**Telephone:** 970.351.2647

**Website:** [www.unco.edu/nhs/earth-atmospheric-sciences/](http://www.unco.edu/nhs/earth-atmospheric-sciences/)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The multidisciplinary Environmental Earth Sciences concentration is intended for individuals who wish to pursue careers with responsibilities that include environmental monitoring, regulation or management. Students may prepare for entry-level positions in the environmental industry or governmental agencies, or for graduate education in such fields as resource management, environmental public policy and environmental law. The program also is well suited for anyone with a serious interest in the scientific aspect of environmental issues.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- Science and mathematics courses approved for the Liberal Arts Curriculum that are taken as part of this major may also be used to satisfy Liberal Arts Curriculum requirements.
- A 2.0 grade point average in the courses taken as part of this major is required for graduation. (Secondary Teaching Concentration: a 2.5 GPA is required in all major courses.)
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 86 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*ENG 122 (3) and SCI 291 (3) are recommended to fulfill the Written Communication requirement and will fulfill both LAC and major requirements. No additional courses in this category are needed.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements. No additional courses in this category are needed.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), ESCI 200 (4), MET 205 (4) or PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements. No additional courses in this category are needed.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 86 credits**

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
ENG 122	College Composition	3

ESCI 200	Introduction to Environmental Earth Science	4
ESCI 320	Earth Materials	4
ESCI 330	Earth Science Statistical Analysis	3
ESCI 349	Earth Science Professional Seminar	1
ESCI 420	Chemistry of the Earth System	4
ESCI 474	Principles of Surface and Groundwater Hydrology	4
GEOL 201	Physical Geology	4
GEOG 210	Introduction to GIS and GPS	3
GEOL 460	Geomorphology	4
GEOL 483	Soils	3
MATH 131	Calculus I	4
MET 205	General Meteorology	4
MET 452	Paleoclimatology	3
OCN 302	Geological and Biological Oceanography	4
PHYS 220	Introductory Physics I	5
SCI 291	Scientific Writing	3

**Choose 1 course from the following**

*Choose either GEOL 202 or BIO 111 in preparation for upper-division electives of your choice. GEOL 202 allows students to take sedimentary geology and paleontology courses (GEOL 202 is prerequisite for GEOL 340 Paleontology, GEOL 445 Vertebrate Paleontology, and GEOL 450 Sedimentology and Stratigraphy); BIO 111 allows students to take ecology courses (BIO 111 is prerequisite for BIO 329 Field Botany, BIO 335 Survey of Fishes, Amphibians and Reptiles, BIO 338 Marine Biology, BIO 360 Ecology and others that students may wish to take to fulfill their upper-division electives).*

GEOL 202	Historical Geology	4
BIO 111	Biology: Organisms to Ecosystems	4

**Choose 3 credits of the following:**

ESCI 491	Geoscience Field Issues	1-6
ESCI 492	Earth Science Internship	1-15
ESCI 496	Earth Science Study Abroad	1-6
GEOG 391	Western Colorado Rivers	3
GEOL 390	Colorado Geology	3

**Choose 9 credits of Upper Division Electives**

*Choose a minimum of 9 credits from courses selected in consultation with an academic advisor to explore an area of interest in greater depth with prefix GEOL, MET, ESCI, OCN, PHYS, CHEM, BIO, MATH, ENST, GEOG, ECON, STAT, SCI that are numbered 300 or higher. Other courses may satisfy requirements with approval of the advisor. At least 3 credits must be with prefix GEOL, MET, ESCI, or OCN.*

*No more than 6 credits of ESCI 491 or ESCI 492 may count toward the degree.*

**3. University-Wide Credits — 3 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 3 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## EARTH SCIENCES B.S. – GEOLOGY CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Timothy Grover, Ph.D., Department Chair

**Location:** Ross Hall 3235

**Telephone:** 970.351.2647

**Website:** [www.unco.edu/nhs/earth-atmospheric-sciences/](http://www.unco.edu/nhs/earth-atmospheric-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The science of geology explores the physical makeup of the earth, the processes that shape it and the history of its development. This program provides a broad background in geology and emphasizes the study of geology in the field and in the laboratory.

Graduates of the geology program will be prepared for entry-level positions as geologists in the petroleum mining, and environmental industries, in local, state and federal governmental agencies and in a variety of engineering and geological consulting firms. The program also provides the background necessary for admission to graduate programs in geology and related fields.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- The course of study for this major must be developed in consultation with and be approved by the student's academic advisor.
- At least one half of the credits in AST, ESCI, GEOL, MET and OCN courses must be numbered 300 or above. No more than 8 credits of AST, ESCI, GEOL, MET and OCN courses numbered below 200 may be counted toward the major.
- Written Communication, Mathematics, and Natural & Physical Sciences courses approved for the Liberal Arts Curriculum that are taken as part of this major may also

be used to satisfy Liberal Arts Curriculum requirements.

- A 2.0 grade point average in the courses taken as part of this major is required for graduation. (Secondary Teaching Concentration: a 2.5 GPA is required in all major courses.)
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**DEGREE REQUIREMENTS — 120 CREDITS**

**Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 88 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

*Note that SCI 291 has a prerequisite of ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34.*

**Mathematics — 3 credits**

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and PHYS 220 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 88 credits**

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
ESCI 330	Earth Science Statistical Analysis	3
ESCI 349	Earth Science Professional Seminar	1
GEOG 210	Introduction to GIS and GPS	3
GEOL 201	Physical Geology	4
GEOL 202	Historical Geology	4
GEOL 320	Mineralogy	4
GEOL 340	Paleontology	4
GEOL 421	Ig and Met Petrology	4
GEOL 450	Sedimentology and Stratigraphy	4
GEOL 460	Geomorphology	4
GEOL 470	Structural Geology	4
GEOL 481	Geologic Field Techniques	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5
SCI 291	Scientific Writing	3

**Electives - 12 credits**

Additional GEOL or ESCI prefix courses that are numbered 300 or higher

**3 total credits from the following:**

ESCI 491 (1-6) and/or ESCI 492 (1-15) Advisor approved field course or a field camp transferred in from another institution, or an advisor approved internship, 3 credits total from any combination of these options.

ESCI 491	Geoscience Field Issues	1- 6
ESCI 492	Earth Science Internship	1-15

**3. University-Wide Credits — 1 credit\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 1 credit.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## EARTH SCIENCES B.S. – METEOROLOGY CONCENTRATION

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Timothy Grover, Ph.D., Department Chair

**Location:** Ross Hall 3235

**Telephone:** 970.351.2647

**Website:** [www.unco.edu/nhs/earth-atmospheric-sciences/](http://www.unco.edu/nhs/earth-atmospheric-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The UNC meteorology program has two goals: a strong foundation in the sciences preparing students for graduate school and providing the experience necessary to be ready to take a job in weather forecasting.

The science of meteorology seeks to understand the atmosphere and its phenomena by considering the forces that act on it, the processes that determine its behavior and the interaction between it and the earth beneath. This program provides a broad background in meteorology and stresses practical interpretation of weather data and the importance of meteorology to many aspects of human endeavor.

Graduates of the meteorology program will be prepared for entry-level positions as meteorologists with government agencies and private companies, as weather forecasters with the United States Air Force and as team members with firms concerned with environmental monitoring. Meteorology is also an excellent major for individuals planning careers in either civilian or military aviation. The program provides the background necessary for admission to graduate programs in the atmospheric sciences.

The course requirements assure that our graduates meet all of the requirements for certification with the American Meteorology Society (AMS) and the National Weather Association (NWA).

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- The course of study for this major, including both required and elective courses, must be developed in consultation with and be approved by the student's academic advisor.
- A 2.0 grade point average in the courses taken as part of this major is required for graduation.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 81 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*ENG 122 (3) and SCI 291 (3) are recommended to fulfill the Written Communication requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*CHEM 111 (4), CHEM 111L (1), MET 205 (4) and PHYS 240 (5) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 81 credits

Take all of the following courses:

CS 120	Introduction to Programming	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
ENG 122	College Composition	3
ESCI 330	Earth Science Statistical Analysis	3
ESCI 349	Earth Science Professional Seminar	1
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
MET 205	General Meteorology	4
MET 215	Intro Meteorological Analysis	2
MET 221	Weather Forecasting Seminar	1
MET 315	Atmospheric Thermodynamics	3
MET 320	Physical Meteorology	3
MET 401	Dynamic Meteorology	3
MET 402	Synoptic-Dynamic Meteorology	4
MET 420	Advanced Weather Prediction	4
MET 451	Climatology	3
MET 460	Mesoscale Meteorology	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
SCI 291	Scientific Writing	3

**NOTE:** MET 221 must be taken for twice, for a total of 2 credits.

### Choose nine credit hours from the following courses:

Must be selected in consultation with the student's advisor.

MET 452	Paleoclimatology	3
MET 462	Extreme Mountain Weather	3
MET 465	Radar and Satellite Meteorology	3
MET 495	Special Topics in Meteorology	1-4
OCN 301	Physical and Chemical Oceanography	4
ESCI 474	Principles of Surface and Groundwater Hydrology	4
ESCI 491	Geoscience Field Issues	1- 6
ESCI 496	Earth Science Study Abroad	1- 6

## 3. University-Wide Credits — 8 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 8 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## Program Notes

MET 221 must be taken twice, for a total of 2 credits. Federal government requirements for employment as meteorologists and Graduate School admission in the atmospheric sciences usually require MATH 335.



## EARTH SCIENCES B.S. – LICENSURE: SCIENCE (GRADES 7-12)

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Timothy Grover, Ph.D., Department Chair

**Location:** Ross Hall 3235

**Telephone:** 970.351.2647

**Website:** [www.unco.edu/nhs/earth-atmospheric-sciences/](http://www.unco.edu/nhs/earth-atmospheric-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

The Secondary Education concentration offers you the opportunity to combine teaching with your passion for the natural world. The course work and experiences in the concentration are designed to provide you with a broad background of the four earth science disciplines (astronomy, geology, meteorology and oceanography) and supporting sciences, including biology, chemistry, physics and mathematics. Within the last year of the program, pre-service teachers are provided opportunities to apply the knowledge learned within the coursework and apply it to practices within the classroom. Graduates of this program are prepared to teach earth science in grades 7-12.

#### Program Requirements:

Content courses are taught in science disciplines in the College of Natural and Health Sciences and the College of Education and Behavioral Sciences provides the required courses in the Secondary Professional Teacher Education Program (STEP).

You must pass the PRAXIS exam in order to obtain your teaching certificate. Graduates of this program are prepared to teach earth science in grades 7-12 and will have satisfied all the requirements to receive Secondary Science/Earth

Science Licensure from the Colorado Department of Education.

Every UNC student must meet the requirements in order to graduate with a bachelor's degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.50 cumulative grade point average; have at least 31 credit hours in courses designated as Liberal Arts Curriculum; meet all degree requirements in the student's major field of study. Each major and/or concentration may have additional requirements necessary for graduation. Students must consult with their major advisor to receive information on any additional graduation requirements.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in the 120 credits outlined, the program recommends the below LAC sources that also count toward the 57 required major credits.

Any coursework completed outside the recommended list below may extend the program length.

**Written Communication — 6 credits**

*It is recommended that students take ENG 122 (3) and SCI 291 (3) as their LAC Written Communication requirements to successfully prepare for and pass standardized testing for certification, but these courses are not specifically required for the major.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 124 (4) is recommended to fulfill both the Liberal Arts Curriculum and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural and Physical Sciences — 7 credits**

*BIO 110 (4), CHEM 111 (4), CHEM 111L (1), CHEM 112 (4), CHEM 112L (1), or PHYS 220 (5) are recommended to fulfill Natural and Physical Sciences requirement and will fulfill both the LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 57 credits**

Course selection may vary, depending upon the educational background of the student, with approval of the advisor. Science and math support courses, required to meet CDE Licensure in Secondary Science, are to be selected in consultation with the major advisor.

AST 301	Classical Astronomy and the Solar System	3
BIO 110	Biology: Atoms to Cells	4

BIO 111	Biology: Organisms to Ecosystems	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
GEOL 201	Physical Geology	4
GEOL 202	Historical Geology	4
GEOL 390	Colorado Geology	3
MATH 124	College Algebra	4
MET 205	General Meteorology	4
MET 452	Paleoclimatology	3
OCN 200	General Oceanography	4
OCN 301	Physical and Chemical Oceanography	4
OCN 302	Geological and Biological Oceanography	4
PHYS 220	Introductory Physics I	5
PHYS 221	Introductory Physics II	5

For the Ocean Sciences requirement, take ONE of the following: OCN 200, OCN 301, or OCN 302.

**3. Required PTEP — 38 credits**

**Phase I (5 credits taken concurrently)**

EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

**Phase II (8 credits taken concurrently)**

STEP 262	Observation and Analysis of Secondary Teaching II	2
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Phase III (11 credits)**

STEP 363	Clinical Experience: Secondary	2
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
SCED 441	Methods of Teaching Secondary School Science	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3

ECLD 340: maybe taken outside of Phase III  
 ET 449: to be taken concurrently with SCED 441 to satisfy CLD requirement

**Phase IV (14 credits)**

STEP 464 Secondary Student Teaching 1-14

**4. University-Wide Credits — 0 credits\***

\*Note: Students must apply recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

## ECONOMICS B.A. – BUSINESS ECONOMICS CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

**Location:** Candelaria 1281**Email:** HSS@unco.edu**Website:** www.unco.edu/economics/programs**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

Economics majors and minors learn the traditional tools and concepts of economics, theories and quantitative procedures applicable to economics and related disciplines and techniques and methodologies employed by economic practitioners.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

A maximum of six directed study credits in Economics may be taken.

**Program Recommendations:**

A minor is strongly recommended.

### DEGREE REQUIREMENTS — 120 CREDITS

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**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 43 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 124 (4) or STAT 150 (3) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ECON 203 (3) or ECON 205 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 43 credits**

Take all of the following courses:

ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3
ECON 452	Econometrics	3
ECON 475	Senior Seminar	3
MATH 124	College Algebra	4
STAT 150	Introduction to Statistical Analysis	3

MATH 124: Satisfies LAC Mathematics

STAT 150: Satisfies LAC Mathematics

ECON 203: Satisfies LAC Social & Behavioral Sciences

ECON 205: Satisfies LAC Social & Behavioral Sciences

**Required ECON Elective Credits — 6 credits**

Select any two courses of ECON at 300 or 400 level.

**Required ECON Concentration Credits — 12 credits**

Select 12 credits from the following (at least 6 credits must have ECON prefix):

ECON 301	Money and Banking	3
ECON 310	Economics of Entrepreneurship	3
ECON 315	Labor Economics	3
ECON 325	Behavioral Economics	3
ECON 377	Industrial Organizations	3

Any BAAC, BACS, BAFN, BAMG, and BAMK prefix courses at the 200 level and above.

**3. University-Wide Credits — 46 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this program, that will typically be 46 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

Majors in the Business Economics Concentration are encouraged to consider a minor in Business Administration.

## ECONOMICS B.A. – ENVIRONMENTAL POLICY CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 1281

**Email:** HSS@unco.edu

**Website:** www.unco.edu/economics/programs

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Economics majors and minors learn the traditional tools and concepts of economics, theories and quantitative procedures applicable to economics and related disciplines and techniques and methodologies employed by economic practitioners.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- A maximum of six directed study credits in Economics may be taken.
- A maximum of nine internship credits combined in Economics and/or Environmental and Sustainability Studies (ECON 492 and/or ENST 492) may be taken (internship in ENST may be subject to ECON advisor approval).

#### Program Recommendations:

A minor is strongly recommended.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 43 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 124 (4) or STAT 150 (3) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ECON 203 (3) or ECON 205 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 43 credits

Take all of the following courses:

ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3
ECON 452	Econometrics	3
ECON 475	Senior Seminar	3
MATH 124	College Algebra	4
STAT 150	Introduction to Statistical Analysis	3

MATH 124: Satisfies LAC Mathematics

STAT 150: Satisfies LAC Mathematics

ECON 203: Satisfies LAC Social & Behavioral Sciences

ECON 205: Satisfies LAC Social & Behavioral Sciences

#### Required ECON Elective Credits — 6 credits

Select any two courses of ECON at 300 or 400 level.

#### Required ECON Concentration Credits — 12 credits

Select 12 credits from the following (at least 6 credits must have ECON prefix or be cross-listed with ECON prefix):

ECON 335	Environmental and Resource Economics	3
	or	
ENST 335	Environmental and Resource Economics	3
ECON 356	Water Resource Economics	3
	or	
ENST 356	Water Resource Economics	3
ECON 378	Energy Policy and Economics	3
	or	
ENST 378	Energy Policy and Economics	3
ECON 382	Sustainability and Capitalism	3
	or	
ENST 382	Sustainability and Capitalism	3
ENST 100	Introduction to Environmental Studies	3
ENST 265	Conservation of Natural Resources	3
ENST 320	American Environmental Worldviews	3
ENST 492	Internship in Environmental Studies	1-4
GEOG 210	Introduction to GIS and GPS	3
GEOG 220	Climate and Vegetation	3
GEOG 230	Landforms, Water & Hazards	3
GEOG 307	Geographic Information Science	3
GEOG 310	Urban and Regional Planning	3
GEOG 312	Economic Geography of the Industrialized World	3
GEOG 315	Nature and Society	3
GEOG 320	Population Geography	3
GEOG 345	Environmental Geography: Earth at Risk	3
GEOG 391	Western Colorado Rivers	3
GEOG 440	Biogeography	3

**3. University-Wide Credits — 46 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this program, that will typically be 46 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

Majors in the Environmental Policy Concentration are encouraged to consider a minor in Environmental Studies, Geography, or Geographic Information Science (GIS).

**ECONOMICS B.A. – INTERNATIONAL ECONOMIC POLICY CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Humanities and Social Sciences**

**Location:** Candelaria 1281

**Email:** HSS@unco.edu

**Website:** www.unco.edu/economics/programs

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

Economics majors and minors learn the traditional tools and concepts of economics, theories and quantitative procedures applicable to economics and related disciplines and techniques and methodologies employed by economic practitioners.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

A maximum of six directed study credits in Economics may be taken.

**Program Recommendations:**

A minor is strongly recommended.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 43 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 124 (4) or STAT 150 (3) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ECON 203 (3) or ECON 205 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)****2. Required Major — 43 credits**

Take all of the following courses:

ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3
ECON 452	Econometrics	3
ECON 475	Senior Seminar	3
MATH 124	College Algebra	4
STAT 150	Introduction to Statistical Analysis	3

MATH 124: Satisfies LAC Mathematics

STAT 150: Satisfies LAC Mathematics

ECON 203: Satisfies LAC Social & Behavioral Sciences

ECON 205: Satisfies LAC Social & Behavioral Sciences

**Required ECON Elective Credits — 6 credits**

Select any two courses of ECON at 300 or 400 level.

**Required ECON Concentration Credits — 12 credits**

ECON 344	International Economics	3
ECON 360	Economics of Growth and Development	3

**Select 6 credits from the following:**

ANT 313	Anthropology of Globalization	3
GEOG 312	Economic Geography of the Industrialized World	3

GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
GEOG 333	Environment and Society in Latin America	3
GEOG 340	Europe	3
HIST 315	History of Latin America: 1855 to the Present	3
HIST 318	Modern Africa	3
HIST 382	Hitler's Germany 1890-1945	3
HIST 383	Great War and Aftermath	3
HIST 384	Three Germanies	3
HIST 386	Twentieth Century Russia	3
MIND 292	Ideas in Conflict	3
PSCI 220	Introduction to International Relations	3
PSCI 240	Globalization	3
PSCI 318	The Politics of the Developing States	3
PSCI 325	Conflict in the Middle East	3
PSCI 326	International Political Economy	3
PSCI 328	International Law and Organizations	3

**3. University-Wide Credits — 46 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this program, that will typically be 46 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

Majors in the International Economics Concentration are encouraged to consider a minor in Political Science, Public Policy, or a foreign language.

## ECONOMICS B.A. – LIBERAL ARTS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 1281

**Email:** HSS@unco.edu

**Website:** www.unco.edu/economics/programs

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Economics majors and minors learn the traditional tools and concepts of economics, theories and quantitative procedures applicable to economics and related disciplines and techniques and methodologies employed by economic practitioners.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

A maximum of six directed study credits in Economics may be taken.

#### Program Recommendations:

A minor is strongly recommended.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 43 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 124 (4) or STAT 150 (3) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ECON 203 (3) or ECON 205 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 43 credits

Take all of the following courses:

ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3
ECON 452	Econometrics	3
ECON 475	Senior Seminar	3
MATH 124	College Algebra	4
STAT 150	Introduction to Statistical Analysis	3

MATH 124: Satisfies LAC Mathematics

STAT 150: Satisfies LAC Mathematics

ECON 203: Satisfies LAC Social & Behavioral Sciences

ECON 205: Satisfies LAC Social & Behavioral Sciences

**Choose 18 additional credits in ECON 300 or 400 level courses.**

#### 3. University-Wide Credits — 46 credits\*

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this program, that will typically be 46 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.



**Program Notes**

Majors in the Economics - Liberal Arts are encouraged to consider a minor in one of the following areas: Africana Studies, Applied Statistics, Asian Studies, Environmental Studies, Geography, Geographic Information Science (GIS), History, Leadership Studies, Mathematics: Liberal Arts, Mexican American Studies, Political Science, Public Policy, or a foreign language.

**ELEMENTARY EDUCATION B.A. -  
ELEMENTARY EDUCATION ENDORSEMENT  
(K-6), CULTURALLY AND LINGUISTICALLY  
DIVERSE CONCENTRATION**

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**PROGRAM OVERVIEW****College of Education and Behavioral Sciences**

**Contact:** School of Teacher Education, Main Campus  
Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

**Contact:** Center for Urban Education, Lowry

**Telephone:** 303.637.4334

**Website:** [extended.unco.edu](http://extended.unco.edu)

**Advising Information:**

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

**Program Description:**

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher. The required course work for the CLD concentration includes all necessary courses to earn a CLD endorsement. Students declaring the CLD concentration will have the CLD endorsement automatically added to their record.

**Program Admission Requirements:**

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

**PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- *ENG 122 College Composition*
- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement in this category and the Multicultural Studies designation, and will fulfill both LAC and major requirements.*

- *ELIT 290 Survey of Culturally Diverse Literature for Children*

*A 200-level world language course (3) will satisfy the additional course requirement in this category with International Studies designation and will also fulfill the language requirement in the CLD concentration.*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- *SCI 265 Physical Science Concepts*
- *SCI 266 Earth and Life Science*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

## 2. General Licensure/PTEP — 87 credits

### PTEP Core — 69 credits

Take all the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 455	Approaches to Content Literacy for Diverse Learners	3
EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
	or	
HIST 230	Class and Culture in America	3
	or	
HIST 290	American Immigration	3
	or	
GEOG 200	Human Geography	3
	or	
GEOG 224	Exploring Colorado	3
	or	
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3

SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1

EDEL 101: Students taking the course at UNC need to register for 3 credits

### Required Fieldwork — 18 credits

#### Required Fieldwork (Main Campus students)

EDEL 457	Social Studies/Literacy Practicum	3
EDEL 459	Mathematics/Science Practicum	3
EDEL 454	Student Teaching	12

#### Required Fieldwork (Center for Urban Education students)

EDFE 170	Introduction to Field Based Experience	1-3
EDEL 457	Social Studies/Literacy Practicum	3
EDEL 459	Mathematics/Science Practicum	3
EDFE 444	Supervised Student Teaching	1-15

EDFE 170: take 3 credits

EDFE 444: take 9 credits

### 3. Concentration Credits — 15 credits

Take all the following courses:

ECLD 380	Introduction to Linguistics for ESL/CLD Educators	3
ECLD 400	Methods and Approaches of Teaching Culturally and Linguistically Diverse Students	3
ECLD 401	CLD Practicum	3
	Any level of world language	3

Take one 200 level World Language as part of LAC requirement or any world language course at any level as additional credits.

#### Take one of the following courses:

MAS 275	Education of Mexican American Students	3
WLC 390	History and Philosophy of Multilingual Education	3

### 4. University-Wide Credits — 0-3 credits\*

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply a 200 level world language course to the Liberal Arts Curriculum and the CLD concentration will have 3 credits of university wide electives. This degree does not require university wide electives for students who choose a 100, 300 or 400 level world language course to satisfy the CLD concentration.

## ELEMENTARY EDUCATION B.A. - ELEMENTARY EDUCATION ENDORSEMENT (K-6), EDUCATION NEW LITERACIES CONCENTRATION

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** School of Teacher Education, Main Campus  
Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher.

#### Program Admission Requirements:

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- *ENG 122 College Composition*

- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement and will fulfill both LAC and major requirements. This course will also fulfill the Multicultural Studies designation.*

- *ELIT 290 Survey of Culturally Diverse Literature for Children*

*This course is recommended to better prepare students for Elementary teaching and successful Praxis testing but is not required by the major.*

- *PVA 220 Creative Thinking and Strategies*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- *SCI 265 Physical Science Concepts*
- *SCI 266 Earth and Life Science*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. GENERAL LICENSURE/PTEP — 87 CREDITS**

**PTEP Core — 69 credits**

Take all the following courses:

ECLD 360	Second Language Acquisition	3
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ECLD 455	Approaches to Content Literacy for Diverse Learners	3
EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
HIST 230	Class and Culture in America	3
HIST 290	American Immigration	3
GEOG 200	Human Geography	3
GEOG 224	Exploring Colorado	3
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1

EDEL 101: Students taking the course at UNC need to register for 3 credits

**Required Fieldwork — 18 credits**

Take all the following courses:

EDEL 457	Social Studies/Literacy Practicum	3
EDEL 459	Mathematics/Science Practicum	3
EDEL 454	Student Teaching	12

**3. Concentration Credits — 12 credits**

Take all the following courses:

EDNL 321	Literacy in the Digital Age	3
EDNL 322	Digital Literacy and Multimodal Texts	3
EDNL 423	Multimodal Design: Language Arts	3
EDNL 424	Multimodal Design: Literacy, Invention and Learning	3

**4. University-Wide Credits — 3 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply the recommended courses in LAC and the major will have up 3 credits of university wide electives to apply to this degree. See your advisor for details.

**ELEMENTARY EDUCATION B.A. -  
ELEMENTARY EDUCATION ENDORSEMENT  
(K-6), MATHEMATICS CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Education and Behavioral Sciences**

**Contact:** School of Teacher Education, Main Campus Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

**Advising Information:**

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

**Program Description:**

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher.

**Program Admission Requirements:**

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

**PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- *ENG 122 College Composition*
- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*MATH 185 (3) or MATH 186 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement and will fulfill both LAC and major requirements. This course will also fulfill the Multicultural Studies designation.*

- *ELIT 290 Survey of Culturally Diverse Literature for Children*

*This course is recommended to better prepare students for Elementary teaching and successful Praxis testing but is not required by the major.*

- *PVA 220 Creative Thinking and Strategies*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- *SCI 265 Physical Science Concepts*
- *SCI 266 Earth and Life Science*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. General Licensure/PTEP — 87 credits**

#### **PTEP Core — 69 credits**

Take all the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 455	Approaches to Content Literacy for Diverse Learners	3

EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
	or	
HIST 230	Class and Culture in America	3
	or	
HIST 290	American Immigration	3
	or	
GEOG 200	Human Geography	3
	or	
GEOG 224	Exploring Colorado	3
	or	
GEOG 250	The Making of the American Landscape	3
MATH 185	Number Sense and Algebra	3
MATH 186	Elements of Calculus	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1

EDEL 101: Students taking the course at UNC need to register for 3 credits

**Required Fieldwork — 18 credits**

Take the following courses:

EDEL 457	Social Studies/Literacy Practicum	3
EDEL 459	Mathematics/Science Practicum	3
EDEL 454	Student Teaching	12

**3. Concentration Credits — 12 credits**

Take the following courses:

MATH 286	Elements of Discrete Mathematics	3
MATH 341	Introduction to Modern Geometry I	3
MATH 386	Problem Solving	3
MATH 391	Introduction to Number Theory	3

**4. University-Wide Credits — 3 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply the recommended courses in LAC and the major will have up 3 credits of university wide electives to apply to this degree. See your advisor for details.



## ELEMENTARY EDUCATION B.A. - ELEMENTARY EDUCATION ENDORSEMENT (K-6), PERFORMING AND VISUAL ARTS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** School of Teacher Education, Main Campus  
Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher.

#### Program Admission Requirements:

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- *ENG 122 College Composition*

- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement and will fulfill both LAC and major requirements. This course will also fulfill the Multicultural Studies designation.*

- *ELIT 290 Survey of Culturally Diverse Literature for Children*

*This course is recommended to better prepare students for Elementary teaching and successful Praxis testing but is not required by the major.*

- *PVA 220 Creative Thinking and Strategies*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- *SCI 265 Physical Science Concepts*
- *SCI 266 Earth and Life Science*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

**2. General Licensure/PTEP — 87 credits**

**PTEP Core — 69 credits**

Take all the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 455	Approaches to Content Literacy for Diverse Learners	3

EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
HIST 230	Class and Culture in America	3
HIST 290	American Immigration	3
GEOG 200	Human Geography	3
GEOG 224	Exploring Colorado	3
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1

EDEL 101: Students taking the course at UNC need to register for 3 credits

**Required Fieldwork — 18 credits**

Take the following courses:

EDEL 457	Social Studies/Literacy Practicum	3
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EDEL 459	Mathematics/Science Practicum	3
EDEL 454	Student Teaching	12

### 3. Concentration Credits — 12 credits

Take four 3-credit courses from the list below for a total of 12 credits. Courses may be chosen from one Prefix Area or be a combination of two or three areas. \*Note: MUS 210 and MUS 310 should be taken together for 3 credits

ART 183	2D Design	3
ART 184	3D Design	3
ART 234	Drawing I	3
ART 290	Visual Problem Solving	3
MUS 140	Exploration of Music through American Identities	3
MUS 143	Musical Styles and Context	3
MUS 150	History of Rock and Roll	3
MUS 247	Music as Cultural Identity	3
MUS 296	Jazz Music: History and Appreciation	3
MUS 210	Introduction to Music Education and	1
MUS 310	Teaching General Music in Elementary Schools	2
THEA 130	Introduction to the Theatre	3
THEA 255	Creative Drama	3
THEA 265	Theatre for Young Audiences Tour	3

### 4. University-Wide Credits — 3 credits\*

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply the recommended courses in LAC and the major will have up 3 credits of university wide electives to apply to this degree. See your advisor for details.

## ELEMENTARY EDUCATION B.A. - ELEMENTARY EDUCATION ENDORSEMENT (K-6), SCIENCE CONCENTRATION

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** School of Teacher Education, Main Campus  
Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher.

#### Program Admission Requirements:

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- ENG 122 College Composition
- ENG 123 College Research Paper

See Written Communication courses (p. 71)

### **Mathematics — 3 credits**

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement and will fulfill both LAC and major requirements. This course will also fulfill the Multicultural Studies designation.*

- ELIT 290 Survey of Culturally Diverse Literature for Children

*This course is recommended to better prepare students for Elementary teaching and successful Praxis testing but is not required by the major.*

- PVA 220 Creative Thinking and Strategies

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### **Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- SCI 265 Physical Science Concepts
- SCI 266 Earth and Life Science

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. General Licensure/PTEP — 87 credits****PTEP Core — 69 credits**

Take all the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 455	Approaches to Content Literacy for Diverse Learners	3
EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
HIST 230	Class and Culture in America	3
HIST 290	American Immigration	3
GEOG 200	Human Geography	3
GEOG 224	Exploring Colorado	3
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4

SES 403	Physical & Health Education for Elementary Teachers	1
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EDEL 101: Students taking the course at UNC need to register for 3 credits

**Required Fieldwork — 18 credits**

Take the following courses:

EDEL 457	Social Studies/Literacy Practicum	3
EDEL 459	Mathematics/Science Practicum	3
EDEL 454	Student Teaching	12

**3. Concentration Credits — 12 credits**

Take the following courses:

BIO 365	Advanced Life Science Concepts	3
ESCI 365	Advanced Earth Science Concepts for Elementary Teachers	3
SCED 381	Science Education Teaching Assistant	2
SCI 365	Advanced Physical Science Concepts	4

**4. University-Wide Credits — 3 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply the recommended courses in LAC and the major will have up 3 credits of university wide electives to apply to this degree. See your advisor for details.

## ELEMENTARY EDUCATION B.A. - ELEMENTARY EDUCATION ENDORSEMENT (K-6), SOCIAL STUDIES CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

**Contact:** School of Teacher Education, Main Campus  
Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher.

#### Program Admission Requirements:

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- *ENG 122 College Composition*

- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement and will fulfill both LAC and major requirements. This course will also fulfill the Multicultural Studies designation.*

- *ELIT 290 Survey of Culturally Diverse Literature for Children*

*This course is recommended to better prepare students for Elementary teaching and successful Praxis testing but is not required by the major.*

- *PVA 220 Creative Thinking and Strategies*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- *SCI 265 Physical Science Concepts*
- *SCI 266 Earth and Life Science*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

**2. General Licensure/PTEP — 87 credits**

**PTEP Core — 69 credits**

Take all the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 455	Approaches to Content Literacy for Diverse Learners	3

EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
HIST 224	History of Colorado	3
	or	
HIST 230	Class and Culture in America	3
	or	
HIST 290	American Immigration	3
	or	
GEOG 200	Human Geography	3
	or	
GEOG 224	Exploring Colorado	3
	or	
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations and	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1

EDEL 101: Students taking the course at UNC need to register for 3 credits

**Required Fieldwork — 18 credits**

Take all of the following courses:

EDEL 457	Social Studies/Literacy Practicum	3
EDEL 459	Mathematics/Science Practicum	3

EDEL 454 Student Teaching 12

### 3. Concentration Credits — 12 credits

Take one 3-credit course from each of the social studies disciplines as listed below, for a total of 12 credits:

#### Economics:

ECON 203 Principles of Macroeconomics 3  
ECON 205 Principles of Microeconomics 3

#### Geography:

GEOG 250 The Making of the American Landscape 3  
GEOG 315 Nature and Society 3  
GEOG 320 Population Geography 3  
GEOG 330 Cultural Geography 3  
GEOG 370 The City 3  
GEOG 391 Western Colorado Rivers 3

#### History:

HIST 290 American Immigration 3  
HIST 314 History of Latin America to 1855 3  
HIST 315 History of Latin America: 1855 to the Present 3  
HIST 320 Early America to 1763 3  
HIST 321 Revolutionary America, 1763-1815 3  
HIST 329 Indigenous North America 3  
HIST 338 Advanced Overview of American History 3  
HIST 347 United States Women's History to 1877 3  
HIST 396 World History 3

#### Political Science:

PSCI 301 Electoral Politics in the United States 3  
PSCI 302 Power in America 3  
PSCI 303 Public Policy in the United States 3  
PSCI 309 American Political Development 3  
PSCI 315 Comparative Public Policy 3

### 4. University-Wide Credits — 3 credits\*

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply the recommended courses in LAC and the major will have up 3 credits of university wide electives to apply to this degree. See your advisor for details.

## ELEMENTARY EDUCATION B.A. - ELEMENTARY EDUCATION ENDORSEMENT (K-6), SPECIAL EDUCATION CONCENTRATION

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** School of Teacher Education, Main Campus Greeley

**Location:** McKee 216

**Telephone:** 970.351.2929

**Fax:** 970.351.3159

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

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#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Professional Teacher Education Program (PTEP) Credits
3. Concentration Credits
4. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts curriculum requirements, courses in professional teacher preparation, courses in elementary education theory, practice, and pedagogy, and specific required content to ensure students have the breadth of knowledge needed to be an elementary education teacher.

#### Program Admission Requirements:

- Admission: Must be in academic good standing
- Program: Must have a 2.75 cumulative GPA prior to Practicum and a 3.0 cumulative GPA prior to Student Teaching.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.



If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended to better prepare students for Elementary teaching and successful Praxis testing, but they are not required by the major.*

- *ENG 122 College Composition*
- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following course is recommended to satisfy the Arts & Humanities requirement and will fulfill both LAC and major requirements. This course will also fulfill the Multicultural Studies designation.*

- *ELIT 290 Survey of Culturally Diverse Literature for Children*

*This course is recommended to better prepare students for Elementary teaching and successful Praxis testing but is not required by the major.*

- *PVA 220 Creative Thinking and Strategies*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences course (p. 72)

#### **Natural and Physical Sciences — 7 credits**

*The following courses are recommended to satisfy the Natural and Physical Sciences requirement and better prepare students for Elementary teaching and successful Praxis testing and will fulfill both LAC and major requirements.*

- *SCI 265 Physical Science Concepts*
- *SCI 266 Earth and Life Science*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. General Licensure/PTEP — 87 credits**

#### **PTEP Core — 69 credits**

Take all the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 455	Approaches to Content Literacy for Diverse Learners	3

EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3
EDEL 310	Reading Assessment Informs Teaching	3
EDEL 339	Assessment Data for Elementary Classrooms: Large Sets	1
EDEL 360	Teaching Foundational Reading Skills	3
EDEL 420	Elementary School Mathematics Methods	3
EDEL 425	Elementary School Social Studies Methods	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
HIST 230	Class and Culture in America	3
HIST 290	American Immigration	3
GEOG 200	Human Geography	3
GEOG 224	Exploring Colorado	3
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
SCED 475	Teaching Science in the Elementary School	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1

EDEL 101: Students taking the course at UNC need to register for 3 credits

**Required Fieldwork — 18 credits**

Take all the following courses:

EDEL 457	Social Studies/Literacy Practicum	3
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EDEL 459	Mathematics/Science Practicum	3
EDEL 454	Student Teaching	12

**3. Concentration Credits — 12 credits**

Take all the following courses:

EDSE 203	The Individualized Education Program and the Collaborative Process	3
EDSE 320	Assessment in Special Education	3
EDSE 460	Culturally and Linguistically Diverse Students with Disabilities	3

Take one of the following courses:

EDSE 326	Behavioral Dimensions of Students with Exceptionalities II	3
EDSE 431	Introduction to Early Childhood Special Education	3
EDSE 442	Language and Literacy for Students with Severe Delays	3
EDSE 443	Support Systems in Special Education	3

**4. University-Wide Credits — 3 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply the recommended courses in LAC and the major will have up 3 credits of university wide electives to apply to this degree. See your advisor for details.

## ELEMENTARY EDUCATION B.A. – NONLICENSURE EDUCATIONAL STUDIES CONCENTRATION

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** School of Teacher Education

**Location:** McKee 216

**Telephone:** 970.351.2908

**Fax:** 970.351.1877

**Website:** [www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/](http://www.unco.edu/cebs/teacher-education/undergraduate-programs/elementary-education/)

**Contact:** Center for Urban Education

**Location:** 1059 Alton Way #758, Denver, CO 80230

**Telephone:** 303.637.4334

**Website:** [www.unco.edu/cebs/urban-education/](http://www.unco.edu/cebs/urban-education/)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The curriculum for this non-licensure program consists of courses related to education theory, practice, and pedagogy and recommended Liberal Arts Curriculum. The course of study will provide students with a breadth of knowledge related to elementary education and schooling.

#### Program Admission Requirements:

Academic Good Standing

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that may also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

*These courses are recommended but not required by the major.*

- *ENG 122 College Composition*
- *ENG 123 College Research Paper*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 181 (3) and MATH 182 (3) are recommended to satisfy the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

- *ELIT 290 is recommended to fulfill Arts & Humanities and U.S. Multicultural Studies requirement and will fulfill both LAC requirements.*
- *PVA 220 is recommended, but not required by the major.*

Please work with your academic advisor to choose courses in the Social & Behavioral Sciences and History categories that are recommended to better prepare students for Elementary teaching and successful Praxis testing, but not required by the major.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural and Physical Sciences — 7 credits

*SCI 265 and SCI 266 Earth and Life Science are recommended to satisfy Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 62 credits

##### Take all the following courses:

ECLD 360	Second Language Acquisition	3
EDEC 250	Diverse Early Language and Literacy	3
EDEL 101	Elementary Teaching as a Profession	1-3
EDEL 220	Teaching with Writing	3

EDEL 310	Reading Assessment Informs Teaching	3
EDEL 360	Teaching Foundational Reading Skills	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ELIT 290	Survey of Culturally Diverse Literature for Children	3
ET 240	Integration of Technology into Content and Pedagogy	3
HIST 224	History of Colorado	3
	or	
HIST 230	Class and Culture in America	3
	or	
HIST 290	American Immigration	3
	or	
GEOG 200	Human Geography	3
	or	
GEOG 224	Exploring Colorado	3
	or	
GEOG 250	The Making of the American Landscape	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
	and	
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 330	Child and Adolescent Psychology	3
PVA 220	Creative Thinking and Strategies	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
SES 403	Physical & Health Education for Elementary Teachers	1
	300 level or above Education Course	3

EDEL 101: Take 3 credits

### 3. University-Wide Credits — 27 credits

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 27 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## ENGLISH B.A. – LIBERAL ARTS CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

**Location:** Ross 1284

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/english

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Minor Credits
4. University-Wide Credits

#### Program Description:

The English major is excellent preparation for any profession or occupation that stresses language usage, such as writing and teaching-related fields. Graduates of this program will be prepared to enter a variety of professional and graduate level programs, including law, theology, medicine (with appropriate science and mathematics preparation), library science, communications, media and business.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- Only two courses included in the Liberal Arts Curriculum may count for elective credit.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

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### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 Credits

##### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*It is strongly recommended that English Liberal Arts majors select ENG 206 and ENG 236 in order to satisfy LAC requirements within 31 credits.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)****2. Required Major — 45 credits****Required Major Credits — 15 credits**

ENG 195	Introduction to the Discipline of English	3
ENG 218	Introduction to Linguistics or	3
ENG 219	Language and Society	3
ENG 295	Approaches to Literary and Cultural Analysis	3
ENG 301	Writing as a Job	3
ENG 345	Literary Theory and Criticism	3

**Elective Major Credits — 15 credits**

200-300 Level Electives: choose five courses, including one from each category and at least three from Categories A and B.

**Category A (British Literature)**

ENG 380	Medieval Literature	3
ENG 381	Renaissance Literature	3
ENG 382	Restoration and Eighteenth-Century Literature	3
ENG 383	Romanticism	3
ENG 384	Victorian Literature and Culture	3
ENG 385	Twentieth-Century and Contemporary Literature	3

**Category B (American Literature)**

ENG 370	Colonial American Literature, 1492-1800	3
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ENG 371	Antebellum American Literature, 1800-1865	3
ENG 372	American Realism and the Making of America	3
ENG 373	American Modernism and the Crisis of Representation	3
ENG 374	American Diaspora and Globalization	3
ENG 376	Multiethnic Literatures of the Americas	3

**Category C (World Literature)**

ENG 205	World Folklore and Fairy Tales	3
ENG 206	Regional Mythologies	3
ENG 262	Masterpieces of World Literature	3
ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3
ENG 325	Studies in Fantasy and Science Fiction	3
ENG 375	Literature and the Environment	3

**Professionalization Module — 9 credits**

Choose three of the following courses:

ENG 227	Technical Writing	3
ENG 229	Professional Writing and Digital Video	3
ENG 327	Editing for Print Publication	3
ENG 328	Professional Writing and Document Design	3
ENG 427	Digital Editing	3
ENG 429	Digital Self-Publishing	3
ENG 492	Writing Internship	1-3
FILM 230	Introduction to Filmmaking	3
FILM 350	Advanced Filmmaking	3
HUM 310	Medical Humanities	3
HUM 320	Digital Humanities	3
HUM 410	International Research Collaboration	3

**Upper-Level Electives — 6 credits**

3 credits from any 300 or 400 level ENG, FILM, or HUM courses and

3 credits from one of the courses below:

ENG 400	Special Topics in Literary and Cultural Theory	3
ENG 441	Colloquium in Literature	3
ENG 495	Advanced Cultural Studies	3

The LAC course ENG 323 does not count as an upper-level elective in the English Liberal Arts major.

**3. Required Minor — 18 credits****4. University-Wide Credits — 26 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that

will typically be 26 credits, depending on the minor's credit requirements.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

### **ACCELERATED (4+1) ENGLISH LIBERAL ARTS B.A. AND ENGLISH M.A.**

Motivated and high-achieving students may seek to complete the requirements for the B.A. and M.A. in English in five years. To obtain both degrees, students must complete all the requirements for the B.A. described in the Undergraduate Catalog (120 credit hours) and all of the requirements for the standard M.A. described in the Graduate Catalog (30 credit hours). However, the accelerated B.A./M.A. program involves 9 credit hours that are shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 141. Completing the requirements for both degrees is made possible by taking the 9 double-counted B.A./M.A. credits in the Senior year (paid for at the undergraduate tuition rate) and 6 graduate-level credits (online at the graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted as a Graduate student.

Due to its necessarily streamlined path of progression, admission to the Accelerated B.A. and M.A. in English occurs in the fall semester only. Students interested in transferring into the accelerated program must:

- Have a cumulative GPA of at least 3.0 to take graduate-level courses as a Senior.
- Meet with the English M.A. Director of Graduate Studies in the fall semester of the Junior year and apply during the spring semester of the Junior year (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the senior year while maintaining a minimum 3.0 GPA. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.
- Complete ENG 500 Introduction to Graduate Studies in the fall semester of their Senior year, followed by two 500-level elective courses in the spring semester of that year. These are the 9 credits that are double counted within the accelerated program only.
- Fulfill all requirements as outlined in the two-year M.A. in English.

- Students must apply for completion of their undergraduate degree the semester before completing their undergraduate degree (i.e., in the fall semester of their Senior year). To apply, students must be registered for all remaining courses in their final undergraduate semester (the spring semester of their Senior Year).

### **Outline for degree completion of the Accelerated B.A. and M.A. in English Liberal Arts**

Meet with faculty advisor or Director of Graduate Studies and apply for the program in the fall semester, Junior Year.

#### **Fall Semester, Senior year**

- ENG 500 Introduction to Graduate Studies (3 credits) [double-counted]

#### **Spring Semester, Senior year**

- Two ENG 500-599 courses (6 credits) [double-counted]

*Note: Because students are required to register for their six 500-level spring credits while they are still Undergraduate students, they must complete the Petition to Count Work Toward the Next Higher Degree form with the Graduate School.*

#### **Summer after Senior year**

- One ENG 500-699 courses (3 credits) - online

*Note: Because students are required to register for the six summer credits while they are still undergraduate students, they must call the Office of the Registrar no later than the drop period for the summer semester to change their registration to graduate level.*

#### **Fall Semester, fifth year**

- Three ENG 500-699 courses (9 credits)

#### **Spring Semester, fifth year**

- ENG 601 Advanced Theory and Research Methods (3 credits)
- Two 500-699 ENG-coded courses (6 credits)
- **MA comprehensive examination**

**30 Credits**

## ENGLISH B.A. – WRITING, EDITING, AND PUBLISHING CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Ross 1284

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/english

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The BA English - Writing, Editing, and Publishing concentration offers students the opportunity to specialize in different types of professional writing as well as print and digital editing. It exposes them to rhetorical, critical, and cultural theory and a range of technological tools used in various sectors of the publishing industry.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

Only two courses included in the Liberal Arts Curriculum may count for elective credit.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

##### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*It is strongly recommended that students completing the English B.A. - Writing, Editing, and Publishing concentration take ENG 200 Introduction to Creative Writing to fulfill the Arts & Humanities requirement.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

##### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

##### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 42 credits

##### Required Major Credits — 12 credits

ENG 195	Introduction to the Discipline of English	3
ENG 220	Writing, Transformation, and Change	3
ENG 301	Writing as a Job and choose one of the following courses:	3
ENG 218	Introduction to Linguistics or	3
ENG 219	Language and Society	3

##### Elective Major Credits — 30 credits

##### Editing and Publishing — 9 credits

Choose three courses from this section.

ENG 216	Grammar and Style	3
ENG 318	The Structure of Modern English	3
ENG 327	Editing for Print Publication	3
ENG 328	Professional Writing and Document Design	3
ENG 427	Digital Editing	3
JMS 460	Media Management	3

##### Inclusivity, Diversity, and Community Engagement — 6 credits

Choose two courses from this section.

HUM 200	Cultural Rhetorics	3
ENG 302	Cultures, Community & Civic Advocacy	3
ENG 319	Writing and Rhetorical Theory	3

**Professional Writing — 9 credits**

Choose three courses from this section, including at least one 300-level course.

ENG 227	Technical Writing	3
ENG 229	Professional Writing and Digital Video	3
HUM 320	Digital Humanities	3
JMS 215	Social Media Storytelling	3
JMS 310	News Reporting and Writing	3

**Capstone Experiences — 6 credits**

Select two courses from this section.

ENG 420	Special Topics in Creative and Professional Writing	3
ENG 429	Digital Self-Publishing	3
ENG 492	Writing Internship	1-3
ENG 495	Advanced Cultural Studies	3
BAMK 478	Social Media Marketing	3

BAMK 478 Social Media Marketing requires BAMK 360 Marketing as a prerequisite course. Students wishing to take BAMK 478 are advised to first take BAMK 360 as a university elective.

ENG 492: Students who wish to use the Writing Internship as one of their courses must complete a total of three credits.

**3. University-Wide Credits — 47 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 47 credits. It is recommended that students complete a minor program.

**ENGLISH SECONDARY EDUCATION B.A. – CULTURALLY AND LINGUISTICALLY DIVERSE EDUCATION CONCENTRATION - LICENSURE: ENGLISH LANGUAGE ARTS (GRADES 7-12)**

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**PROGRAM OVERVIEW**

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**College of Humanities and Social Sciences**

**Contact:** English Department

**Location:** Ross 1284

**Website:** [www.unco.edu/hss/english](http://www.unco.edu/hss/english)

**Advising Information:**

Students must consult with their assigned English Education advisor each semester prior to registering. Assigned advisor is available through the English Department Office.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**NOTE:** Students must complete a special application to the Teaching English as a Second Language/Culturally and Linguistically Diverse Education Program.

**The program consists of six parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. English Education Credits
4. Culturally and Linguistically Diverse Education Concentration Credits
5. Professional Teacher Education Program (PTEP) Credits
6. University-Wide Elective Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

The English Education (EED) Major prepares its graduates to serve as secondary English/Language Arts teachers (grades 7-12). Students can choose from three concentration areas: EED: Language and Literature Concentration; EED: Culturally and Linguistically Diverse Education Concentration, or EED: Special Education Concentration. The program participates in the UNC/partner school program and supervises student teachers during their field experiences.

**Program Admission Requirements:**



Students must apply to and be admitted to the English Education program. In order to be considered for admission, students must fulfill the following requirements:

- Overall GPA of 3.00
- GPA in the Major of 3.00 with no grade lower than a "C" ("C-" is not acceptable)
- Completion of at least six (6) credits in ENG courses applicable to the major, including ENG 195. (Students whose six credits include courses in which they are currently enrolled must include a completed "Student Status" form with their application materials.)

Completion of an application packet to EED that includes:

- An essay that will be used as a writing sample
- Recommendation Forms from two UNC faculty
- A copy of Degree Works that reflects student's GPA and completion of and/or enrollment in the required classes
- Progress report for any ENG courses in progress during the application period
- The Colorado Commission on Higher Education and this program require the completion of a yearly assessment of student progress. The progress of all EED teacher candidates will be reviewed annually to ensure compliance with program requirements

Complete admissions information and required documents are available on the English Department Page at [www.unco.edu/hss/english](http://www.unco.edu/hss/english).

### **PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3

- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 124 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 124 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Completing LAC coursework outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*ENG 225: Issues in Education is strongly recommended and is the only intermediate writing course that will count for both LAC and EED program requirements.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ENG 205 or ENG 262 and ENG 206, ENG 207, or ENG 236 and FILM 120 are recommended to fulfill Arts & Humanities requirements and will double count for the EED program requirements. ENG 207 and ENG 236*

fulfill U.S. Multicultural Studies and ENG 205, ENG 206, and ENG 262 fulfill International Studies.

MAS 100 or PSY 247 are recommended to fulfill Social & Behavioral Sciences and will double count for the EED requirements.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. English Major Requirements — 39 credits**

**Required Courses — 9 credits**

ENG 195	Introduction to the Discipline of English	3
ENG 225	Communications on a Theme	3
ENG 295	Approaches to Literary and Cultural Analysis	3

**Note:** only ENG 225: Issues in Education will meet EED program requirements.

**Category A: British Literature — 3 credits**

Choose one of the following courses:

ENG 380	Medieval Literature	3
ENG 381	Renaissance Literature	3
ENG 382	Restoration and Eighteenth-Century Literature	3
ENG 383	Romanticism	3
ENG 384	Victorian Literature and Culture	3
ENG 385	Twentieth-Century and Contemporary Literature	3

**Category B: American Literature — 3 credits**

Choose one of the following courses:

AFS 205	Survey of African American Literature	3
ENG 370	Colonial American Literature, 1492-1800	3
ENG 371	Antebellum American Literature, 1800-1865	3
ENG 372	American Realism and the Making of America	3
ENG 373	American Modernism and the Crisis of Representation	3
ENG 374	American Diaspora and Globalization	3

**Category C: World Literature — 3 credits**

Choose one of the following courses:

ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3

ENG 325	Studies in Fantasy and Science Fiction	3
ENG 375	Literature and the Environment	3

**400-Level Elective — 3 credits**

Choose one of the following courses:

ENG 400	Special Topics in Literary and Cultural Theory	3
ENG 441	Colloquium in Literature	3
ENG 495	Advanced Cultural Studies	3
FILM 400	Teaching Film	3

**Additional Electives — 18 credits**

Choose three credits from ENG 205 or ENG 262 if not taken as part of the LAC. Choose three credits from ENG 206, ENG 207, or ENG 236 if not taken as part of the LAC. Choose FILM 120 if not taken as part of the LAC. Remaining credits can be any 200-, 300-, or 400-level ENG, FILM, or HUM course.

ENG 205	World Folklore and Fairy Tales	3
	or	
ENG 262	Masterpieces of World Literature	3
ENG 206	Regional Mythologies	3
	or	
ENG 207	Native American Literature	3
	or	
ENG 236	Ethnic American Literature	3
FILM 120	Introduction to Film	3
	Any 200-, 300-, or 400-level ENG, FILM, or HUM course	

**3. English Education — 15 credits**

EED 308	Foundations of Teaching English Language Arts: Learners and the Learning Environment	3
EED 318	Pedagogy and Practices in Social Emotional Learning	3
EED 402	Methods of Teaching English Language Arts II: Enacting Pedagogy	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3

**4. Endorsement Requirements — 21 credits**

College of Education and Behavioral Sciences

**Elementary, Secondary & K-12 Education K-12 CLD Endorsement**

The endorsement program in Culturally and Linguistically Diverse (CLD) Education provides teacher candidates with the knowledge and pedagogical skills to effectively support K-12 students learning English as a new language. The program provides teacher candidates with deep understanding of theories of second language acquisition, the structures of the English language, linguistically and culturally responsive teaching, the nature of bi/multilingualism, policies and programs impacting

bi/multilingual learners, and methods for supporting content-based language learning. Students successfully completing this program will be recommended to the Colorado Department of Education for the Culturally and Linguistically Diverse K-12 endorsement.

### Admission Requirements:

To enroll in this program, the student needs to be in a teacher licensure program at UNC.

Prior to beginning your first semester within the CLD endorsement, students must complete the following:

1. Attend the mandatory CLD Orientation for new students prior to registration.
2. Submit the application for admission to the CLD Endorsement.
3. Schedule a meeting with CLD advisor Penelope Mascarenas (penelope.mascarenas@unco.edu) to register for courses.

### Program Requirements:

CLD Endorsement candidates must maintain a 2.5 GPA to remain in the program. Faculty also reserve the right to place on probation or to require the withdrawal from the program of any student who fails to satisfy the requirements of scholarship, commitment, performance, or disregard for the UNC Honor Code, based on course or practicum performance.

CLD Endorsement candidates must complete the practicum requirement in a classroom with English learners. The CLD practicum must also be completed independently from other required practicum courses.

CLD Endorsement candidates will complete a summative, standards-based portfolio during their practicum course (ECLD 401) that includes reflection upon artifacts generated throughout the program.

### Program Recommendations:

Students are also encouraged to become involved with the UNC or community centers that advocate for the rights of minoritized communities, including the César Chávez Cultural Center or the Immigrant and Refugee Center.

### Required — 15 Credits

Take all of the following courses:

ECLD 360	Second Language Acquisition	3
ECLD 380	Introduction to Linguistics for ESL/CLD Educators	3
ECLD 400	Methods and Approaches of Teaching Culturally and Linguistically Diverse Students	3
ECLD 401	CLD Practicum	3
WLC 390	History and Philosophy of Multilingual Education	3
	or	

MAS 275	Education of Mexican American Students	3
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Note that ECLD 340 is included in PHASE III of PTEP. ECLD 400 with ECLD 401 must be taken in the same semester.

### CLD Elective #1: U.S. Multicultural Studies - Choose one of the following: AC courses: 3 credits

MAS 100	Introduction to Mexican American Studies	3
MCS 101	Multiculturalism in the United States: Concepts and Issues	3

### CLD Elective #2: Language and Education - 3 credits

Choose any World Language course at any level (*Note: 200 level World Language courses count toward LAC Arts & Humanities and International Studies requirement*). Credit for a world language course can also be obtained with AP credit accepted by the university or with the Seal of Biliteracy.

Any level of world language	3
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### 5. PTEP — 33 credits

Students are encouraged to review the policies and procedures for PTEP that are described on the School of Teacher website at <https://www.unco.edu/cebs/teacher-education/undergraduate-programs/secondary-education/current-students/>.

#### Phase I — 5 credits taken concurrently

EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

#### Phase II — 8 credits taken concurrently

EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 247	Adolescent Learning and Motivation	3
	or	
PSY 349	Educational Psychology for Secondary Teachers	3
STEP 262	Observation and Analysis of Secondary Teaching II	2

Note: PSY 247 can substitute for PSY 349 **only** if taken during Phase II of PTEP.

#### Phase III — 8 credits taken concurrently

ET 449	Integrating Technologies into Secondary Education Pedagogy	3
STEP 363	Clinical Experience: Secondary	2
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3

ECLD 340 counts towards the CLD endorsement and can be taken outside of Phase III with instructor approval.

**Phase IV — 12 credits**

STEP 464 Secondary Student Teaching 1-14

**6. University-Wide Credits – 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 124 credit hours. This degree requires no university wide electives and has received an exception from the CDHE to exceed the typical limit of 120 credit hours.

**Program Notes:**

- Admission to the English B.A., Secondary Teaching Program is by application. See Program Admission requirements above.
- Provisional admission to PTEP (Phases I and II) is by application to the School of Teacher Education. See Program Admission requirements above.
- Full Admission to PTEP (Phases III and IV) requires completion of at least 30 hours in the EED major with a grade point average overall and in the major of 3.0 (with no grade in the major lower than a C (C- is not acceptable). Majors receiving a grade of "C-" or lower must retake the course -- or an equivalent approved by the academic advisor -- and receive a grade of "C" or better to have the course counted toward the major.
- Admission to PTEP Phase IV/Student Teaching requires completion of all required courses (LAC, ENG, EED, and concentration area, if applicable), with a grade point average overall and in the major of 3.0 with no grade in the major lower than a C (C- is not acceptable). In addition, teacher candidates must earn a grade of B or better in all EED courses.
- Student progress will be assessed annually. Any student who fails to maintain the required GPA overall and in the major may be removed from the program. All English Education majors must demonstrate professional promise as a teacher to the satisfaction of the English and English Education faculty.

## ENGLISH SECONDARY EDUCATION B.A. – ENGLISH LANGUAGE AND LITERATURE CONCENTRATION - LICENSURE: ENGLISH LANGUAGE ARTS (GRADES 7-12)

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### PROGRAM OVERVIEW

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**College of Humanities and Social Sciences****Contact:** English Department**Location:** Ross 1284**Email:** HSS@unco.edu**Website:** www.unco.edu/hss/english**Advising Information:**

Students must consult with their assigned English Education advisor each semester prior to registering. Assigned advisor is available through the English Department Office.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of five parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. English Education Credits
4. Professional Teacher Education Program (PTEP) Credits
5. University-Wide Elective Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

The English Education (EED) Major prepares its graduates to serve as secondary English/Language Arts teachers (grades 7-12). Students can choose from three concentration areas: EED: Language and Literature Concentration; EED: Culturally and Linguistically Diverse Education Concentration, or EED: Special Education Concentration. The program participates in the UNC/partner school program and supervises student teachers during their field experiences.

**Program Admission Requirements:**

Students must apply to and be admitted to the English Education program. In order to be considered for admission, students must have met the following requirements:

- Overall GPA of 3.00
- GPA in the Major of 3.00 with no grade lower than a "C" ("C-" is not acceptable)

- Completion of at least six (6) credits in ENG courses applicable to the major, including ENG 195. (Students whose six credits include courses in which they are currently enrolled must include a completed "Student Status" form with their application materials.)

The EED application packet includes the following items:

- An essay that will be used as a writing sample
- Recommendation Forms from two UNC faculty
- A copy of Degree Works that reflects student's GPA and completion of and/or enrollment in the required classes
- Progress report for any ENG courses in progress during the application period

Complete admissions information and required documents are available on the English Department Page at [www.unco.edu/hss/english](http://www.unco.edu/hss/english).

### Program Recommendations

A minor is strongly recommended. Please consult with your program advisor.

### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.

- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Completing LAC coursework outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*ENG 225: Issues in Education is strongly recommended and is the only intermediate writing course that will count for both LAC and EED program requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ENG 205 or ENG 262 and ENG 206, ENG 207, or ENG 236 and FILM 120 are recommended to fulfill Arts & Humanities requirements and will double count for the EED program requirements. ENG 207 and ENG 236 fulfill U.S. Multicultural Studies and ENG 205, ENG 206, and ENG 262 fulfill International Studies.*

*MAS 100 or PSY 247 are recommended to fulfill Social & Behavioral Sciences and will double count for the EED requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. English Major Requirements — 45 credits**

**Required Courses — 12 credits**

ENG 195	Introduction to the Discipline of English	3
ENG 225	Communications on a Theme	3
ENG 295	Approaches to Literary and Cultural Analysis	3
ENG 345	Literary Theory and Criticism	3

**Note:** only ENG 225: Issues in Education will meet EED program requirements.

**Required Elective — 3 credits**

ENG 218	Introduction to Linguistics	3
	or	
ENG 219	Language and Society	3

**Category A: British Literature — 3 credits**

Choose one of the following courses:

ENG 380	Medieval Literature	3
ENG 381	Renaissance Literature	3
ENG 382	Restoration and Eighteenth-Century Literature	3
ENG 383	Romanticism	3
ENG 384	Victorian Literature and Culture	3
ENG 385	Twentieth-Century and Contemporary Literature	3

**Category B: American Literature — 3 credits**

Choose one of the following courses:

AFS 205	Survey of African American Literature	3
ENG 370	Colonial American Literature, 1492-1800	3
ENG 371	Antebellum American Literature, 1800-1865	3
ENG 372	American Realism and the Making of America	3
ENG 373	American Modernism and the Crisis of Representation	3
ENG 374	American Diaspora and Globalization	3

**Category C: World Literature — 3 credits**

Choose one of the following courses:

ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3
ENG 325	Studies in Fantasy and Science Fiction	3
ENG 375	Literature and the Environment	3

**400-Level Elective — 3 credits**

Choose one course from the list below:

ENG 400	Special Topics in Literary and Cultural Theory	3
ENG 441	Colloquium in Literature	3
ENG 495	Advanced Cultural Studies	3
FILM 400	Teaching Film	3

**Additional Electives — 18 credits**

*Choose three credits from ENG 205 or ENG 262 if not taken as part of the LAC. Choose three credits from ENG 206, ENG 207, or ENG 236 if not taken as part of the LAC. Choose FILM 120 if not taken as part of the LAC. Remaining credits can be any 200-, 300-, or 400-level ENG, FILM, or HUM course.*

ENG 205	World Folklore and Fairy Tales	3
	or	
ENG 262	Masterpieces of World Literature	3
ENG 206	Regional Mythologies	3
	or	
ENG 207	Native American Literature	3
	or	
ENG 236	Ethnic American Literature	3
FILM 120	Introduction to Film	3
	Any 200-, 300-, or 400-level ENG, FILM, or HUM course	

**3. English Education — 21 credits**

EED 308	Foundations of Teaching English	3
	Language Arts: Learners and the Learning Environment	
EED 318	Pedagogy and Practices in Social Emotional Learning	3
EED 402	Methods of Teaching English	3
	Language Arts II: Enacting Pedagogy	
ECLD 360	Second Language Acquisition	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
MAS 100	Introduction to Mexican American Studies	3
	or	
MCS 101	Multiculturalism in the United States: Concepts and Issues	3

ECLD 360, along with MAS 100 or MCS 101, fulfills the Colorado Department of Higher Education (CDHE) requirements in culturally and linguistically diverse education.

**4. Required PTEP — 33 credits**

Students are encouraged to review the policies and procedures for PTEP that are described on the School of Teacher website at <https://www.unco.edu/cebs/teacher-education/undergraduate-programs/secondary-education/current-students/>.

**Phase I — 5 credits taken concurrently**

EDF 290	Foundations of Education	3
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STEP 161	Observation and Analysis of Secondary Teaching I	2	<ul style="list-style-type: none"> <li>Admission to PTEP Phase IV/Student Teaching requires completion of all required courses (LAC, ENG, EED, and concentration area, if applicable), with a grade point average overall and in the major of 3.0 with no grade in the major lower than a C (C- is not acceptable). In addition, teacher candidates must earn a grade of B or better in all EED courses.</li> <li>Students must receive a grade of "B" or better ("B-" is not acceptable) in all required EED courses. The Colorado Department of Higher Education and this program require the completion of a yearly assessment of teacher candidate progress, including teacher candidate dispositions.</li> </ul>
<b>Phase II — 8 credits taken concurrently</b>			
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3	
PSY 247	Adolescent Learning and Motivation	3	
PSY 349	Educational Psychology for Secondary Teachers	3	
STEP 262	Observation and Analysis of Secondary Teaching II	2	

Note: PSY 247 can substitute for PSY 349 **only** if taken during Phase II of PTEP.

**Phase III — 8 credits taken concurrently**

ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
STEP 363	Clinical Experience: Secondary	2

ECLD 340 may be taken outside of Phase III with EED advisor approval.

**Phase IV — 12 credits**

STEP 464	Secondary Student Teaching	1-14
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**5. University-Wide Credits — 0-5 credits\***

\*Note: Students *must* apply at least some of the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students who apply all of the recommended courses to the LAC will have up to 5 credits of university-wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

**Program Notes:**

- Admission to the English B.A., Secondary Teaching Program is by application. See Program Admission requirements above.
- Provisional admission to PTEP (Phases I and II) is by application to the School of Teacher Education. See Program Admission requirements above.
- Full Admission to PTEP (Phases III and IV) requires completion of at least 30 hours in the EED major with a grade point average overall and in the major of 3.0 (with no grade in the major lower than a C (C- is not acceptable). Majors receiving a grade of "C-" or lower must retake the course -- or an equivalent approved by the academic advisor -- and receive a grade of "C" or better to have the course counted toward the major.

## ENGLISH SECONDARY EDUCATION B.A. – SPECIAL EDUCATION CONCENTRATION - LICENSURE: ENGLISH LANGUAGE ARTS (GRADES 7-12)

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Contact:** English Department

**Location:** Ross 1284

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/english

#### Advising Information:

Students must consult with their assigned English Education advisor each semester prior to registering. Assigned advisor is available through the English Department Office.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of six parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. English Education Credits
4. Required Minor Credits
5. Professional Teacher Education Program (PTEP) Credits
6. University-Wide Elective Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

The English Education (EED) Major prepares its graduates to serve as secondary English/Language Arts teachers (grades 7-12). Students can choose from three concentration areas: EED: Language and Literature Concentration; EED: Culturally and Linguistically Diverse Education Concentration, or EED: Special Education Concentration. The program participates in the UNC/partner school program and supervises student teachers during their field experiences.

#### Program Admission Requirements:

Students must apply to and be admitted to the English Education program. In order to be considered for admission, students must fulfill the following requirements:

- Overall GPA of 3.00

- GPA in the Major of 3.00 with no grade lower than a "C" ("C-" is not acceptable)
- Completion of at least six (6) credits in ENG courses applicable to the major, including ENG195. (Students whose six credits include courses in which they are currently enrolled must include a completed "Student Status" form with their application materials.)

Completion of an application packet to EED that includes:

- An essay that will be used as a writing sample
- Recommendation Forms from two UNC faculty
- A copy of Degree Works that reflects student's GPA and completion of and/or enrollment in the required classes
- Progress report for any ENG courses in progress during the application period
- The Colorado Commission on Higher Education and this program require the completion of a yearly assessment of student progress. The progress of all EED teacher candidates will be reviewed annually to ensure compliance with program requirements

Complete admissions information and required documents are available on the English Department Page at [www.unco.edu/hss/english](http://www.unco.edu/hss/english).

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.



- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## DEGREE REQUIREMENTS — 121 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 121 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Completing LAC coursework outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*ENG 225: Issues in Education is recommended and will meet both the LAC Intermediate Composition and EED program requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*ENG 205 or ENG 262 and ENG 206, ENG 207, or ENG 236 and FILM 120 are recommended to fulfill Arts & Humanities requirements and will double count for the EED program requirements. ENG 207 and ENG 236 fulfill U.S. Multicultural Studies and ENG 205, ENG 206, and ENG 262 fulfill International Studies.*

*MAS 100 or PSY 247 are recommended to fulfill Social & Behavioral Sciences and will double count for the EED requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. English Major Requirements — 39 credits

#### Required Courses — 9 credits

ENG 195	Introduction to the Discipline of English	3
ENG 225	Communications on a Theme	3
ENG 295	Approaches to Literary and Cultural Analysis	3

**Note:** only ENG 225: Issues in Education will meet EED program requirements.

#### Category A: British Literature — 3 credits

Choose one of the following courses:

ENG 380	Medieval Literature	3
ENG 381	Renaissance Literature	3
ENG 382	Restoration and Eighteenth-Century Literature	3
ENG 383	Romanticism	3
ENG 384	Victorian Literature and Culture	3
ENG 385	Twentieth-Century and Contemporary Literature	3

#### Category B: American Literature — 3 credits

Choose one of the following courses:

AFS 205	Survey of African American Literature	3
ENG 370	Colonial American Literature, 1492-1800	3
ENG 371	Antebellum American Literature, 1800-1865	3
ENG 372	American Realism and the Making of America	3
ENG 373	American Modernism and the Crisis of Representation	3
ENG 374	American Diaspora and Globalization	3

#### Category C: World Literature — 3 credits

Choose one of the following courses:

ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3
ENG 325	Studies in Fantasy and Science Fiction	3
ENG 375	Literature and the Environment	3

#### 400-Level Elective — 3 credits

Choose one of the following courses:

ENG 400	Special Topics in Literary and Cultural Theory	3
ENG 441	Colloquium in Literature	3
ENG 495	Advanced Cultural Studies	3
FILM 400	Teaching Film	3

**Additional Electives — 18 credits**

Choose three credits from ENG 205 or ENG 262 if not taken as part of the LAC. Choose three credits from ENG 206, ENG 207, or ENG 236 if not take as part of the LAC. Choose FILM 120 if not taken as part of the LAC. Remaining credits can be any 200-, 300-, or 400-level ENG, FILM, or HUM course.

ENG 205	World Folklore and Fairy Tales	3
	or	
ENG 262	Masterpieces of World Literature	3
ENG 206	Regional Mythologies	3
	or	
ENG 207	Native American Literature	3
	or	
ENG 236	Ethnic American Literature	3
FILM 120	Introduction to Film	3
	Any 200-, 300-, or 400-level ENG, FILM, or HUM course	

**3. English Education — 21 credits**

EED 308	Foundations of Teaching English Language Arts: Learners and the Learning Environment	3
EED 318	Pedagogy and Practices in Social Emotional Learning	3
EED 402	Methods of Teaching English Language Arts II: Enacting Pedagogy	3
MAS 100	Introduction to Mexican American Studies	3
	or	
MCS 101	Multiculturalism in the United States: Concepts and Issues	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
ECLD 360	Second Language Acquisition	3

ECLD 360, along with MAS 100 or MCS 101, fulfills the Colorado Department of Higher Education (CDHE) requirements in culturally and linguistically diverse education.

**4. Required Minor - Special Education — 12 credits**

This concentration is designed for undergraduate students who desire a special education minor to accompany any major or teacher licensure program other than a special education program. Additional requirements in other special education programs must be met before students with a minor are eligible for special education licensure.

Note: EDSE 360 is required in the PTEP program, and EDSE 325 is required by the English Education program.

Both of these courses double count with the Special Education Minor. The remaining 12 credits will be selected in consultation with your advisor.

For additional information, see the Special Education Minor requirements (p. 387) in the UNC catalog.

**5. PTEP — 33 credits**

Students are encouraged to review the policies and procedures for PTEP that are described on the School of Teacher website at <https://www.unco.edu/cebs/teacher-education/undergraduate-programs/secondary-education/current-students/>.

**Phase I — 5 credits taken concurrently**

EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

**Phase II — 8 credits taken concurrently**

EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 247	Adolescent Learning and Motivation	3
	or	
PSY 349	Educational Psychology for Secondary Teachers	3
STEP 262	Observation and Analysis of Secondary Teaching II	2

Note: PSY 247 can substitute for PSY 349 **only** if taken during Phase II of PTEP. EDSE 360 fulfills an elective option in the Special Education Minor.

**Phase III — 8 credits taken concurrently**

ET 449	Integrating Technologies into Secondary Education Pedagogy	3
STEP 363	Clinical Experience: Secondary	2
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3

ECLD 340 may be taken outside of Phase III with EED advisor approval.

**Phase IV — 12 credits**

STEP 464	Secondary Student Teaching	1-14
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**6. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 121 credit hours. This degree requires 0 university-wide electives and has received an exception from the CDHE to exceed the typical limit of 120 credit hours.

**Program Notes:**

- Admission to the English B.A., Secondary Teaching Program is by application. See Program Admission requirements above.
- Provisional admission to PTEP (Phases I and II) is by application to the School of Teacher Education. See Program Admission requirements above.
- Full Admission to PTEP (Phases III and IV) requires completion of at least 30 hours in the EED major with a grade point average overall and in the major of 3.0 (with no grade in the major lower than a C (C- is not acceptable). Majors receiving a grade of "C-" or lower must retake the course -- or an equivalent approved by the academic advisor -- and receive a grade of "C" or better to have the course counted toward the major.
- Admission to PTEP Phase IV/Student Teaching requires completion of all required courses (LAC, ENG, EED, and concentration area, if applicable), with a grade point average overall and in the major of 3.0 with no grade in the major lower than a C (C- is not acceptable). In addition, teacher candidates must earn a grade of B or better in all EED courses.
- Student progress will be assessed annually. Any student who fails to maintain the required GPA overall and in the major may be removed from the program. All English Education majors must demonstrate professional promise as a teacher to the satisfaction of the English and English Education faculty.

## ENVIRONMENTAL AND SUSTAINABILITY STUDIES B.A.

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

**Location:** Candelaria Hall 2200

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/geography-gis-sustainability](http://www.unco.edu/hss/geography-gis-sustainability)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Environmental and Sustainability Studies program is built on the “three pillars” of sustainability: environment, economics, and equity. Environmental sustainability is the ability of the environment to support a defined level of environmental quality and natural resource extraction rates indefinitely. Economic sustainability is the ability of an economy to support a defined level of economic production indefinitely. Equity or social sustainability refers to the ability of a social system to provide equitable access for all groups to well-being and harmony indefinitely. Students in the program are interested in developing environmental solutions that incorporate environmental, economic, and equity concerns so that policies and practices are sustainable for the long-term.

#### Admission Requirements:

Academic Good Standing

#### Program Requirements:

Students may take 3 of the credits outside the program with advisor approval.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum— 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses which also count toward the 63 required major credits.

Any additional coursework completed outside of the recommended list of LAC courses may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 111 (4) and ENST 100 (3) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 63 credits**

**Core Credits — 26 credits:**

ENST 205	Environment, Politics and Law	3
ENST 209	International Sustainable Development	3
ENST 265	Conservation of Natural Resources	3
ENST 270	Professional Development	3
	or	
GEOG 270	Professional Development	3
ENST 315	Nature & Society	3
	or	
GEOG 315	Nature and Society	3
ENST 335	Environmental and Resource Economics	3
	or	
ECON 335	Environmental and Resource Economics	3
ENST 490	Capstone Proposal	2
	or	
GEOG 490	Capstone Proposal	2
ENST 491	Senior Capstone	2
	or	
GEOG 491	Senior Capstone	2

Take one of the following courses:

ESCI 200	Introduction to Environmental Earth Science	4
GEOL 100	General Geology	4
MET 205	General Meteorology	4
ESCI 150	Our Violent Earth	3

**Choose from the following courses — 12 credits:**

Choose 12 credits from the following courses among the Social Dimensions, Natural Resource Sciences, and Economic & Policy Dimensions. A minimum of 9 credits must be chosen with prefix ENST or GEOG above the 199.

**Social Dimensions:**

BAMG 355	Fundamentals of Entrepreneurship	3
ENST 215	Human Behavior and Environment	3
ENST 249	Food, People, and Place	3
	or	
GEOG 249	Food, People, and Place	3
ENST 272	Environmental Conflict Resolution	3
ENST 283	The Psychology of Sustainability	3
ENST 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
	or	
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
ENST 331	Anthropology and Contemporary Human Problems	3
	or	
ANT 331	Anthropology and Contemporary Human Problems	3
ENST 360	Environmental Justice	3
	or	
SOC 360	Environmental Justice	3
ENST 375	Literature and the Environment	3
	or	
ENG 375	Literature and the Environment	3
ENST 385	Art and the Environment	3
ENST 460	Sociology of Disasters	3
ENST 495	Special Topics in Environmental Studies/Sustainability	1-3
GEOG 200	Human Geography	3
PHIL 311	Environmental Ethics	3

**Natural Resource Sciences:**

BIO 360	Ecology	4
BIO 462	Conservation Biology	3
ENST 225	Energy and the Environment	3
ENST 235	Chemistry and the Environment	3
ENST 261	Water Quality Management	3
ENST 321	NEPA - Environmental Planning and Compliance	3

ENST 345	Environmental Geography: Earth at Risk	3	ESCI 330	Earth Science Statistical Analysis	3
	or		ESCI 472	Industrial Safety	3
GEOG 345	Environmental Geography: Earth at Risk	3	ESCI 491	Geoscience Field Issues	1- 6
ENST 380	Sustainable Geographies	3	GEOG 302	Cartography	3
	or		GEOG 307	Geographic Information Science	3
GEOG 380	Sustainable Geographies	3	GEOG 327	Fundamentals of Geospatial Programming	3
ENST 440	Biogeography	3	GEOG 375	Quantitative Techniques in Geography	3
	or		GEOG 391	Western Colorado Rivers	3
GEOG 440	Biogeography	3	GEOG 392	Field Course in Geography	1- 6
ENST 444	Global Climate Change	3	GEOG 412	Web Mapping	3
	or		GEOG 449	Remote Sensing of the Environment	3
GEOG 444	Global Climate Change	3	GEOL 390	Colorado Geology	3
GEOG 325	Advanced Physical Geography: Topics	3			
GEOG 445	Landscape Ecology	3	ENST 492:	Only 3 credits may count toward this category	
GEOL 464	Glacial and Quaternary Geology	3			
MET 205	General Meteorology	4			
MET 451	Climatology	3			
GEOL 464: has a prerequisite (GEOL 100 or GEOL 201)					
<b>Economic &amp; Policy Dimensions:</b>					
ENST 320	American Environmental Worldviews	3			
ENST 356	Water Resource Economics	3			
	or				
ECON 356	Water Resource Economics	3			
ENST 378	Energy Policy and Economics	3			
	or				
ECON 378	Energy Policy and Economics	3			
ENST 382	Sustainability and Capitalism	3			
ENST 391	The Built Environment and Sustainability	3			
ENST 495	Special Topics in Environmental Studies/Sustainability	1-3			
GEOG 310	Urban and Regional Planning	3			
GEOG 312	Economic Geography of the Industrialized World	3			
<b>Applied Studies &amp; Methods — 12 credits:</b>					
Take the following courses:					
GEOG 210	Introduction to GIS and GPS	3			
ENST 373	Qualitative Research Methods	3			
Choose at least 6 credits from the following courses:					
BIO 329	Field Botany	3			
BIO 411	Field Techniques in Biology	2			
ENST 364	Sustainability Leadership and Community Engagement	3			
ENST 411	Adaptive Management for Natural Resources	3			
ENST 422	Directed Studies	1-3			
ENST 492	Internship in Environmental Studies	1-4			

ENST 492: Only 3 credits may count toward this category

### Required Supporting Credits — 13 credits:

BIO 111, ENST 100, SCI 291, and STAT 150 are required in the major and these credits are recommended to be taken as part of the LAC. Any additional coursework completed outside of the recommended list of LAC courses may extend the length of the program of study.

BIO 111	Biology: Organisms to Ecosystems	4
ENST 100	Introduction to Environmental Studies	3
SCI 291	Scientific Writing	3
STAT 150	Introduction to Statistical Analysis	3

### 3. University Wide Credits — 26 credits\*

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 26 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

### Program Notes

A student may consider pursuing a minor in another area pertinent to their career perspectives or may consider a second major, in conjunction with advisor input, to increase expertise in a selection of career choices.

## GEOGRAPHY B.A. – COMMUNITY DEVELOPMENT CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 2200

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/geography-gis-sustainability

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

One of the traditional applied areas in geography is planning the built environment. Professionals in this field help communities decide how their land should be used, from the design and layout of a new school to the layout of commercial buildings to the location of a new light rail system, power grid, or park. This work requires both specialized knowledge as well as skills like Geographic Information Science (GIS). Because even the smallest plans can have big impacts, professionals in this field must also be able to work in a highly collaborative environment.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- Students may take 3 of the credits outside the program with advisor approval.
- GEOG 325 may be taken for credit more than once on different topics, but only 3 credits will count toward the major. GEOG 492 may be taken for credit more than once, but only 3 credits will count toward the major.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses which also count toward the 46 required major credits.

Any additional coursework completed outside of the recommended list of LAC courses may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any course to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*GEOG 100 World Geography or GEOG 110 Geography of the United States and Canada are recommended to fulfill the LAC Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 46 credits

##### Core Courses (25 credits)

Take all of the following courses:

GEOG 100	World Geography	3
	or	
GEOG 110	Geography of the United States and Canada	3
GEOG 200	Human Geography	3
GEOG 210	Introduction to GIS and GPS	3
GEOG 220	Climate and Vegetation	3
	or	
GEOG 230	Landforms, Water & Hazards	3
GEOG 250	The Making of the American Landscape	3
GEOG 270	Professional Development	3
	or	
ENST 270	Professional Development	3
GEOG 375	Quantitative Techniques in Geography	3
GEOG 490	Capstone Proposal	2
	or	
ENST 490	Capstone Proposal	2
GEOG 491	Senior Capstone	2

	or		
ENST 491	Senior Capstone	2	

**Competencies Courses (9 credits)**

Choose three of the following courses:

GEOG 302	Cartography	3	
GEOG 307	Geographic Information Science	3	
GEOG 310	Urban and Regional Planning	3	
GEOG 470	Urban GIS	3	

**Systematic Courses (9 credits)**

Choose three of the following courses:

GEOG 224	Exploring Colorado	3	
GEOG 312	Economic Geography of the Industrialized World	3	
GEOG 320	Population Geography	3	
GEOG 330	Cultural Geography	3	
GEOG 360	Nations, States, and Territory	3	
GEOG 370	The City	3	
GEOG 380	Sustainable Geographies	3	
	or		
ENST 380	Sustainable Geographies	3	
GEOG 445	Landscape Ecology	3	
GEOG 492	Internship	1-6	
ENST 389	Human Perception of the Built Environment	3	
ENST 391	The Built Environment and Sustainability	3	

GEOG 492 may be taken for credit more than once, but only 3 credits will count toward the major.

**Major Elective Courses (3 credits)**

Choose one of the following courses:

GEOG 185	Introduction to Drones	3	
GEOG 218	Emerging Asia	3	
GEOG 249	Food, People, and Place	3	
	or		
ENST 249	Food, People, and Place	3	
GEOG 315	Nature and Society	3	
	or		
ENST 315	Nature & Society	3	
GEOG 325	Advanced Physical Geography: Topics	3	
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3	
GEOG 333	Environment and Society in Latin America	3	
GEOG 340	Europe	3	
GEOG 345	Environmental Geography: Earth at Risk	3	
	or		
ENST 345	Environmental Geography: Earth at Risk	3	

GEOG 385	Natural Parks & Protected Areas Seminar	3	
GEOG 391	Western Colorado Rivers	3	
GEOG 392	Field Course in Geography	1-6	
GEOG 440	Biogeography	3	
	or		
ENST 440	Biogeography	3	
GEOG 444	Global Climate Change	3	
	or		
ENST 444	Global Climate Change	3	
GEOG 466	Grant and Proposal Writing	3	

GEOG 325 may be taken for credit more than once, but only 3 credits will count toward the major.

**3. University-Wide Credits — 43 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 43 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.

## GEOGRAPHY B.A. – FIELD STUDIES CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 2200

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/geography-gis-sustainability

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Students in the Field Studies Concentration will have educational experiences that link their theoretical classroom knowledge to the application of real-world problems in transformative ways. This concentration gives students the opportunity to develop competencies (critical thinking, quantitative and qualitative data analysis), forge community connections, and have tangible experiences that encourage a deeper understanding of today's issues.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- Students may take 3 of the credits outside the program with advisor approval.
- GEOG 325 may be taken for credit more than once with different topics. GEOG 492 may be taken for credit more than once, but only 3 credits will count toward the major.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses which also count toward the 46 required major credits.

Any additional coursework completed outside of the recommended list of LAC courses may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any course to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*GEOG 100 World Geography or GEOG 110 Geography of the United States and Canada are recommended to fulfill the LAC Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 46 credits

##### Core Courses (22 credits)

Take all of the following courses:

GEOG 100	World Geography	3
	or	
GEOG 110	Geography of the United States and Canada	3
GEOG 200	Human Geography	3
GEOG 210	Introduction to GIS and GPS	3
GEOG 220	Climate and Vegetation	3
	or	
GEOG 230	Landforms, Water & Hazards	3
GEOG 270	Professional Development	3
	or	
ENST 270	Professional Development	3
GEOG 375	Quantitative Techniques in Geography	3
GEOG 490	Capstone Proposal	2
	or	
ENST 490	Capstone Proposal	2
GEOG 491	Senior Capstone	2
	or	
ENST 491	Senior Capstone	2



**Competencies Courses (6 credits)**

Choose two of the following courses:

GEOG 185	Introduction to Drones	3
GEOG 302	Cartography	3
GEOG 307	Geographic Information Science	3
GEOG 412	Web Mapping	3
GEOG 449	Remote Sensing of the Environment	3

**Field Courses (12 credits)**

Choose four of the following courses:

ANT 320	Archaeological Research Methods	3
	or	
ANT 325	Fieldwork in Archaeology	4
BIO 411	Field Techniques in Biology	2
GEOG 111	Introduction to Field Techniques	1-3
GEOG 249	Food, People, and Place	3
	or	
ENST 249	Food, People, and Place	3
GEOG 296	Study Abroad Experience	3
GEOG 315	Nature and Society	3
	or	
ENST 315	Nature & Society	3
GEOG 385	Natural Parks & Protected Areas Seminar	3
GEOG 391	Western Colorado Rivers	3
GEOG 392	Field Course in Geography	1-6
ENST 209	International Sustainable Development	3

**Major Elective Courses (6 credits)**

Choose two of the following courses:

GEOG 218	Emerging Asia	3
GEOG 250	The Making of the American Landscape	3
GEOG 310	Urban and Regional Planning	3
GEOG 312	Economic Geography of the Industrialized World	3
GEOG 320	Population Geography	3
GEOG 325	Advanced Physical Geography: Topics	3
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
	or	
ENST 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
GEOG 330	Cultural Geography	3
GEOG 333	Environment and Society in Latin America	3
GEOG 340	Europe	3
GEOG 345	Environmental Geography: Earth at Risk	3
	or	

ENST 345	Environmental Geography: Earth at Risk	3
GEOG 360	Nations, States, and Territory	3
GEOG 370	The City	3
GEOG 380	Sustainable Geographies	3
GEOG 440	Biogeography	3
	or	
ENST 440	Biogeography	3
GEOG 444	Global Climate Change	3
	or	
ENST 444	Global Climate Change	3
GEOG 445	Landscape Ecology	3
GEOG 466	Grant and Proposal Writing	3
GEOG 492	Internship	1-6

GEOG 325 and GEOG 492 may be taken for credit more than once, but only 3 credits will count toward the major.

**3. University-Wide Credits — 43 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 43 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**GEOGRAPHY B.A. – GEOGRAPHIC INFORMATION SCIENCE CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Humanities and Social Sciences**

**Location:** Candelaria 2200

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/geography-gis-sustainability

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

One of the fastest-growing areas in geography is the use of geographic information sciences (GIS) to generate maps and store map-related information. GIS is a system of computer hardware and software that stores, displays, analyzes, and maps geographic information. Geographers, planners, land developers, real estate agents, market analysts, utility companies, and municipal officials all use these systems. For example, using GIS, students can analyze population distribution, traffic movement, land availability, real estate prices, environmental hazards, soil types, and flood zones to help local governments make informed land-use decisions.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- Students may take 3 of the credits outside the program with advisor approval. GEOG 300 and GEOG 325 may be taken for credit more than once with different topics.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the following LAC courses which also count toward the 49 required major credits.

Any additional coursework completed outside of the recommended list of LAC courses may extend the length of the program of study.

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any course to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*GEOG 100 World Geography or GEOG 110 Geography of the United States and Canada are recommended to fulfill the LAC Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 49 credits**

**Core Courses (28 credits)**

Take all of the following courses:

GEOG 100	World Geography	3
	or	
GEOG 110	Geography of the United States and Canada	3
GEOG 200	Human Geography	3
GEOG 210	Introduction to GIS and GPS	3
GEOG 220	Climate and Vegetation	3
	or	
GEOG 230	Landforms, Water & Hazards	3
GEOG 270	Professional Development	3
GEOG 375	Quantitative Techniques in Geography	3
GEOG 490	Capstone Proposal	2
	or	
ENST 490	Capstone Proposal	2
GEOG 491	Senior Capstone	2
	or	
ENST 491	Senior Capstone	2

Take both of the following courses:

GEOG 302	Cartography	3
GEOG 307	Geographic Information Science	3

### Competencies Courses (12 credits)

Choose four of the following courses:

GEOG 185	Introduction to Drones	3
GEOG 285	Earth from Above	3
GEOG 327	Fundamentals of Geospatial Programming	3
GEOG 412	Web Mapping	3
GEOG 449	Remote Sensing of the Environment	3
GEOG 470	Urban GIS	3
GEOG 485	Advanced Geographic Techniques: Topics	1-3
GEOG 492	Internship	1-6

If GEOG 485 is taken it must be for 3 credits. GEOG 492 may be taken for credit more than once, but only 3 credits will count toward the major.

### Systematic Courses (6 credits)

Choose two of the following courses:

GEOG 224	Exploring Colorado	3
GEOG 249	Food, People, and Place	3
	or	
ENST 249	Food, People, and Place	3
GEOG 300	Advanced Human Geography: Topics	3
GEOG 310	Urban and Regional Planning	3
GEOG 312	Economic Geography of the Industrialized World	3
GEOG 315	Nature and Society	3
GEOG 320	Population Geography	3
GEOG 324	Crime Mapping	3
GEOG 330	Cultural Geography	3
GEOG 360	Nations, States, and Territory	3
GEOG 370	The City	3
GEOG 380	Sustainable Geographies	3
	or	
ENST 380	Sustainable Geographies	3
GEOG 385	Natural Parks & Protected Areas Seminar	3
GEOG 422	Directed Studies	1-3
GEOG 466	Grant and Proposal Writing	3

NOTE: GEOG 422 may be taken for credit more than once, but only 3 credits will count toward the major.

### Physical Geography Courses (3 credits)

Choose one of the following courses:

GEOG 325	Advanced Physical Geography: Topics	3
GEOG 345	Environmental Geography: Earth at Risk	3
	or	
ENST 345	Environmental Geography: Earth at Risk	3
GEOG 391	Western Colorado Rivers	3
GEOG 392	Field Course in Geography	1-6
GEOG 440	Biogeography	3
	or	
ENST 440	Biogeography	3
GEOG 444	Global Climate Change	3
	or	
ENST 444	Global Climate Change	3
GEOG 445	Landscape Ecology	3

### 3. University-Wide Credits — 40 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 40 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.

## GEOGRAPHY B.A. – REGIONAL STUDIES CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Candelaria 2200

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/geography-gis-sustainability

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Geography is the study of the social, environmental and locational processes that create diversity from place to place on the earth's surface. The geographic perspective helps to explain the reasons for and the significance of local, regional and world patterns and analyzes the role of locational factors in human affairs. Regional geography critically examines the relationships that geographic phenomena have within different regions. Those electing the Regional Studies Concentration learn to recognize spatial problems that impact regions. They develop the ability to critically analyze regional issues and acquire knowledge and skills that transferable to problem-solving across regions.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- Students may take 3 of the credits outside the program with advisor approval.
- GEOG 300, GEOG 325, and GEOG 395 may be taken for credit more than once on different topics, but only 3 credits will count toward the major. GEOG 492 may be taken for credit more than once, but only 3 credits will count toward the major.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses which also count toward the 46 required major credits.

Any additional coursework completed outside of the recommended list of LAC courses may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*GEOG 100 World Geography or GEOG 110 Geography of the United States and Canada are recommended to fulfill the LAC Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 46 credits

#### Core Courses (22 credits)

GEOG 100	World Geography	3
	or	
GEOG 110	Geography of the United States and Canada	3
GEOG 200	Human Geography	3
GEOG 210	Introduction to GIS and GPS	3
GEOG 220	Climate and Vegetation	3
	or	
GEOG 230	Landforms, Water & Hazards	3
GEOG 270	Professional Development	3
	or	
ENST 270	Professional Development	3

GEOG 375	Quantitative Techniques in Geography	3	or	ENST 345	Environmental Geography: Earth at Risk	3
GEOG 490	Capstone Proposal	2		GEOG 360	Nations, States, and Territory	3
ENST 490	Capstone Proposal	2		GEOG 370	The City	3
GEOG 491	Senior Capstone	2		GEOG 380	Sustainable Geographies	3
ENST 491	Senior Capstone	2		or		
				ENST 380	Sustainable Geographies	3
				GEOG 385	Natural Parks & Protected Areas Seminar	3
Choose one of the following courses:				GEOG 391	Western Colorado Rivers	3
GEOG 302	Cartography	3		GEOG 392	Field Course in Geography	1-6
GEOG 307	Geographic Information Science	3		GEOG 440	Biogeography	3
<b>Regional Courses (12 credits)</b>				or		
Choose four of the following courses:				ENST 440	Biogeography	3
GEOG 218	Emerging Asia	3		GEOG 444	Global Climate Change	3
GEOG 224	Exploring Colorado	3		or		
GEOG 250	The Making of the American Landscape	3		ENST 444	Global Climate Change	3
GEOG 296	Study Abroad Experience	3		GEOG 445	Landscape Ecology	3
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3				
ENST 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3		GEOG 300 and GEOG 325 may be taken for credit more than once, but only 3 credits will count toward the major. Up to 3 credits of GEOG 492 Internship may be substituted for one of the upper-division elective concentration courses; Additionally, up to 6 credits may be applied from other related programs with advisor approval.		
GEOG 333	Environment and Society in Latin America	3		<b>3. University-Wide Credits — 43 credits*</b>		
GEOG 340	Europe	3		Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 43 credits.		
GEOG 395	Advanced Regional Geography: Topics	3		*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.		
GEOG 395 may be taken for credit more than once, but only 3 credits will count toward the major.						
<b>Systematic Courses (9 credits)</b>						
Choose three of the following courses:						
GEOG 249	Food, People, and Place	3				
ENST 249	Food, People, and Place	3				
GEOG 300	Advanced Human Geography: Topics	3				
GEOG 310	Urban and Regional Planning	3				
GEOG 312	Economic Geography of the Industrialized World	3				
GEOG 315	Nature and Society	3				
ENST 315	Nature & Society	3				
GEOG 320	Population Geography	3				
GEOG 324	Crime Mapping	3				
GEOG 325	Advanced Physical Geography: Topics	3				
GEOG 330	Cultural Geography	3				
GEOG 345	Environmental Geography: Earth at Risk	3				

## HEALTH SCIENCES B.S. – HEALTHCARE ADMINISTRATION CONCENTRATION

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Email:** nhs@unco.edu

**Website:** www.unco.edu/nhs/health-sciences/

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Healthcare Administration concentration prepares graduates for managing health-related organizations. Students develop skills in managing people and projects, leading teams and departments, and developing organizational leadership and managerial acumen that are needed to deliver high quality care. Upon completion of the Healthcare Administration concentration, graduates are prepared for careers in the health industry and administrative positions in hospitals, clinics, long-term care facilities, mental health organizations, government agencies, and insurance organizations.

#### Program Admission Requirements:

Academic Good Standing

#### Bachelor of Science:

No separate admission requirement.

#### Minor Required:

No minor required.

#### Program Requirements:

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 83 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*ENG 123 (3) is recommended to fulfill the Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*STAT 150 (3) is recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PHIL 250 (3) is recommended to fulfill the Arts and Humanities: Ways of Thinking requirement and will fulfill both LAC and major requirements.*

*ECON 205 (3) and PSY 230 (3) are recommended to fulfill the Social and Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*BIO 110 (4) is recommended to fulfill the Natural & Physical Sciences LAB requirement and will fulfill both LAC and major requirements.*

*For students pursuing admission into the Nursing B.S.N., CHEM 281 (3), CHEM 281L (1), and FND 250 (3) are recommended to fulfill the Natural & Physical Sciences requirements and will fulfill both LAC and Nursing prerequisites.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 83 credits

BAAC 301	Survey of Accounting	3
BACS 101	Business Computing	3
BACS 300	Information Systems	3

BAFN 302	Essentials of Business Finance	3
BAFN 340	Principles of Risk and Insurance	3
BAMG 350	Management and Organizational Behavior	3
BAMG 353	Human Resources Management	3
BAMG 454	Leadership in Organizations	3
BAMG 459	Management of Quality	3
BAMG 461	Talent Management	3
BAMG 462	Training & Organization Development	3
BAMG 463	Compensation, Performance Management and Conflict Management	3
BAMK 360	Marketing	3
BAMK 371	Digital Marketing	3
	or	
BAMK 478	Social Media Marketing	3
BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 246	Advanced Human Anatomy and Physiology	3
ECON 205	Principles of Microeconomics	3
ENG 123	College Research Paper	3
HUSR 209	Foundations of Health Promotion/Health Education	3
HUSR 300	Human Services Helping Skills	3
HUSR 342	Modern Concepts of Health and Disease	3
NURS 225	Interprofessional Collaboration in Healthcare	3
NURS 326	Pathophysiology	3
PHIL 250	Medical Ethics	3
PSY 230	Lifespan Development	3
STAT 150	Introduction to Statistical Analysis	3

Take BAMK 371 OR BAMK 478, both are not required.

### 3. University Wide Credits — 6-28 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 6-28 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

#### Program Notes

Students interested in admission to the Nursing B.S.N. (p. 295) should take BIO 251, CHEM 281, CHEM 281L, and FND 250 for LAC or elective credit to complete Nursing prerequisites. Students will also complete the following prerequisites as part of the Health Sciences B.S.: BIO 110, BIO 245, BIO 246, ENG 123, NURS 326, PSY 230, and STAT 150.

## HEALTH SCIENCES B.S. – PUBLIC HEALTH CONCENTRATION

College of Natural and Health Sciences

See "Health Sciences B.S. to Master of Public Health"

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Email:** nhs@unco.edu

**Website:** www.unco.edu/nhs/health-sciences/

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Major Elective Credits
4. University-Wide Credits

#### Program Description:

The Public Health concentration offers students a chance to pursue a four-year degree in a rapidly expanding field nationally and internationally. Students who complete this degree will be well-positioned to become leaders in a broad range of public health fields.

#### Program Admission Requirements:

Academic Good Standing

#### Minor Required:

No Minor required.

#### Program Requirements:

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 70 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*ENG 123 (3) is recommended to fulfill the Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*STAT 150 (3) is recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PHIL 250 (3) is recommended to fulfill the Arts and Humanities: Ways of Thinking requirement and will fulfill both LAC and major requirements.*

*HUSR 205 (3) and PSY 230 (3) are recommended to fulfill the Social and Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 110 (4), CHEM 281 (3), CHEM 281L (1), are recommended to fulfill the Natural & Physical Sciences LAB requirement and will fulfill both LAC and major requirements.*

*FND 250 (3) is recommended to fulfill the Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 70 credits**

BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 246	Advanced Human Anatomy and Physiology	3
BIO 251	Allied Health Microbiology	4
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
ENG 123	College Research Paper	3
FND 250	Principles of Nutrition	3
HUSR 205	Introduction to Human Services	3
HUSR 209	Foundations of Health Promotion/Health Education	3

HUSR 300	Human Services Helping Skills	3
HUSR 336	Human Sexuality	3
HUSR 342	Modern Concepts of Health and Disease	3
HUSR 350	Introduction to Environmental Health	3
HUSR 410	Human Services Program Planning and Evaluation	3
HUSR 492	Internship in Human Services	1-15
NURS 225	Interprofessional Collaboration in Healthcare	3
NURS 326	Pathophysiology	3
PHIL 250	Medical Ethics	3
PSY 230	Lifespan Development	3
STAT 150	Introduction to Statistical Analysis	3

HUSR 492: Take 9 credits

**3. Major Electives — 15 credits**

Choose 15 credits from the list below, can choose courses from one or more headings.

**Anthropological Focus**

ANT 292	Culture and Conflict	3
ANT 313	Anthropology of Globalization	3
ANT 355	Medical Anthropology	3

**Sociological Focus**

SOC 170	Social Problems	3
SOC 237	Sociology of Race, Racism, and Power	3
SOC 275	Society & Mental Health	3
SOC 375	Sociology of Health and Illness	3

**Psychological Focus**

PSY 265	Social Psychology	3
PSY 323	Health Psychology	3
PSY 340	Psychology & Culture	3

PSY 323 has a prerequisite of PSY 120

**4. University Electives — 4-26 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 4-26 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.



## **ACCELERATED (4 + 1) PUBLIC HEALTH B.S. AND PUBLIC HEALTH M.P.H.**

This degree offers a combined BS/MPH 4+1 degree option where students can complete their BS in Health Sciences and their Master of Public Health (MPH) in Community Health Education degrees in five years. This is possible by taking some of the MPH graduate courses as an undergraduate, and having those courses apply to both degrees.

### **Accelerated MPH Admission**

To be eligible for application to the BS/MPH 4 + 1 program, students must currently be enrolled in Health Sciences BS degree at UNC. Students who want to switch their major to the Health Sciences degree must have achieved a sophomore or higher standing within their current major and be in good academic standing with an overall GPA of 3.0 or higher. Students who choose to change majors/programs later than their sophomore year may have course conflicts in meeting both the undergraduate degree requirements and taking the graduate public health courses that are to transfer to the MPH program, which can result in the student sharing fewer credits between the BS and MPH programs. Students in this situation will be advised of this potential so that they can make an informed decision about their academic plans related to this degree option.

Individuals who wish to be considered for admission to the MPH program will submit their application to the Schools and Programs of Public Health portal (SOPHAS) in the Fall of Year 4, and by the January 15 application deadline. In addition to the application itself, individuals will submit 3 letters of recommendation, official transcripts, a resume or CV, and a statement of purpose. Of the three required letters of recommendation at least two of them will need to come from a faculty or academic advisor within their undergraduate program. Some public health related experience (paid, volunteer, or internship) is beneficial. These applicants will also select their MPH concentration in Community Health Education or Global Health/Community Health Education at the time that they submit materials through the SOPHAS system.

### **Accelerated MPH Timeline**

For the accelerated (4+1) Master of Public Health, take 12 credits from the courses below. The remaining three hours can be selected from other focus areas. To be able to take 500-level graduate courses, students must have a junior or senior standing and a cumulative GPA of 3.0 or higher.

In years three and four of the program, students in the 4+1 MPH program must choose STAT 451 and 9 of the 12 credits listed below to complete the BS and MPH in 5 years. Students who have been accepted into the 4+1 program are eligible to apply these courses to the undergraduate Health Sciences BS degree.

### **Fall Semester, Senior Year**

Apply for admission to the MPH program

Complete 120 credits required for BS which should include STAT 451 and 9 credits comprised of 3 of the following 4 courses: CH 509, CH 530, CH 535, CH 550.

During Years 4 & 5, students will complete the following MPH courses in a sequence recommended by their assigned advisor:

PUBH 6600 (2), CH 612 (3), CH 615 (3), CH 635 (3), CH 610 (3), CH 620 (3), MPH Electives (9), CH 686 (2), CH 693 (2).

Admitted students will meet with the ColoradoSPH at UNC assigned faculty advisor after they accept their offer of admission to review the curricular plan and requirements for matriculating into the MPH program. Students will also be expected to meet with their undergraduate advisor at the UNC NHS Advising Center as they normally would while in the undergraduate program, and to meet with the Campus Director of ColoradoSPH@UNC or MPH advisor once per semester. Once students have completed their undergraduate degree, the MPH program will take over all advising.

### **Accelerated MPH Advising**

#### ***Faculty Advising***

Students who matriculate from the BS into the MPH program will be assigned a faculty advisor following the ColoradoSPH at UNC advising structure. Faculty advisors are assigned based on the student's selected concentration.

#### ***Student Consultation and Advising***

BS: Regular undergraduate advisor in the UNC NHS Advising Center.

MPH (for interested students): Campus Director of the ColoradoSPH@UNC

MPH (for admitted and active 4+1 students): Assigned MPH faculty advisor

## HISTORY B.A. – LIBERAL ARTS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** Ross Hall 3270

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/history

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum Credits
2. Required Major Credits
3. Required Minor Credits
4. University-Wide Credits

#### Program Description:

Historical study is concerned with the record of the human past and forms the indispensable background for all other areas of knowledge in the humanities, the social sciences and the sciences. A well-rounded curriculum of American and world history courses is provided in which students are encouraged to be critical and analytical in thought as well as to be incisive and cogent in their writing. The capstone of a student's study is a seminar during the senior year, which includes an extensive research paper as the central component.

Graduates with a bachelor's degree in History/Liberal Arts pursue careers in law, government and social service, medicine, non-profit work or occupy various positions in the business world; additionally, they are qualified to work towards graduate degrees in history.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- History majors must obtain a grade of "C" or better (C- is not acceptable) in all history courses taken at UNC. Majors receiving a grade of "C-" or lower must retake the course -- or an equivalent approved by the academic advisor -- and receive a grade of "C" or better to have the course counted toward the major.
- All History majors must take HIST 280 either before or concurrently with their first 300 level HIST course.

- All history courses numbered 300 or higher include a research and writing component.
- Only 6 credits of HIST prefixes may be counted toward the LAC.
- History majors must complete a minor of at least 18 semester credits, preferably within the College of Humanities and Social Sciences. (History Education majors seeking elementary or secondary licensure are exempted from this minor requirement.)

#### Program Recommendations:

The study of a foreign language is recommended for those majors who plan to pursue graduate study in history.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

##### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

**NOTE:** *Two of the 100-level HIST courses listed under the Required Major section below will count towards LAC credit. One course will satisfy History; one course will count as 3 of the 15 credits required in Arts & Humanities, History, or Social & Behavioral Sciences of the LAC.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

##### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum** (p. 70)

**2. Required Major — 19 credits****Choose one of the following courses:**

HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
HIST 121	Western Civilization from 1689 to the Present	3

**Choose one of the following courses:**

HIST 110	African Civilization	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3
HIST 114	World History to 1500	3
HIST 115	World History Since 1500	3
HIST 118	History of Mexico	3

**Choose two additional 100-level courses not already taken above:**

HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3
HIST 110	African Civilization	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3
HIST 114	World History to 1500	3
HIST 115	World History Since 1500	3
HIST 118	History of Mexico	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
HIST 121	Western Civilization from 1689 to the Present	3

**Take the following courses:**

HIST 280	Sophomore Seminar	3
LIB 180	History Library Research	1

**Choose one of the following courses:**

Senior seminar requirement

HIST 480	Seminar in History	3
HIST 580	Seminar in History	3

Only students enrolled in the History 4+1 BA/MA program are eligible for HIST 580

**Remaining Major — 24 credits**

- In addition to the required credits, each major will also take twenty-four hours of electives at the 200-level or above. See course listings below.

- Students must take at least three credits in all three elective (United States, European, African/Asian/Latin America/World), but no more than twelve credits in one elective area can count toward the major. At least eighteen of the twenty-four credits must be 300-400 level.
- Six credits may be 200-level.

**United States Area**

Select at least one course (3-credits) but no more than four courses (12-credits) from the list.

HIST 224	History of Colorado	3
HIST 230	Class and Culture in America	3
HIST 240	Critical Issues in Modern America	3
HIST 250	LGBTQ History in the United States (1900-2000)	3
HIST 290	American Immigration	3
HIST 300	History of Feminism	3
HIST 320	Early America to 1763	3
HIST 321	Revolutionary America, 1763-1815	3
HIST 322	Religion in American History	3
HIST 327	The Early American West	3
HIST 328	The United States West Since 1846	3
HIST 329	Indigenous North America	3
HIST 331	Civil War and Reconstruction	3
HIST 338	Advanced Overview of American History	3
HIST 342	American Constitutional History	3
HIST 347	United States Women's History to 1877	3
HIST 348	United States Women's History Since 1877	3
HIST 351	The United States and World War II	3
HIST 353	The Rise of the American Century: The United States from 1898-1945	3
HIST 354	The United States and the Vietnam Wars	3
HIST 355	American as a World Power: United States History from 1945 to the Present	3
HIST 356	The 1970s: America's Decade of Change	3
HIST 357	The United States and the Middle East	3
HIST 395	Topics in History	3
HIST 500	Historiography	3

Only students enrolled in the History 4+1 BA/MA program are eligible for HIST 500.

**Africa/Asia/Latin America/World Area**

Select at least one course (3-credits) but no more than four courses (12-credits) from the list.

HIST 304	Sex and Gender in East Asia	3
HIST 306	Modern China through Film	3
HIST 307	History of China to 1500	3
HIST 310	History of China Since 1500	3
HIST 311	History of Japan	3
HIST 312	History of Brazil	3
HIST 314	History of Latin America to 1855	3
HIST 315	History of Latin America: 1855 to the Present	3
HIST 316	History of Caribbean and Central America	3
HIST 318	Modern Africa	3
HIST 319	Revolutionary South Africa	3
HIST 395	Topics in History	3
HIST 396	World History	3
HIST 500	Historiography	3

Only students enrolled in the History 4+1 BA/MA program are eligible for HIST 500

**European Area**

Select at least one course (3-credits) but no more than four courses (12-credits) from the list.

HIST 264	Magic in Europe from Antiquity to the Enlightenment	3
HIST 283	Russian Cultural History	3
HIST 361	History of Classical Greece and Rome	3
HIST 363	Medieval History	3
HIST 365	Jews, Christians, and Muslims in Medieval Europe	3
HIST 367	Topics in Early Modern Europe	3
HIST 368	England: National and Global Histories, 1485-1800	3
HIST 371	The European Enlightenment	3
HIST 372	European Reformation: Religion & Society	3
HIST 373	France, Empire and War to 1804	3
HIST 382	Hitler's Germany 1890-1945	3
HIST 383	Great War and Aftermath	3
HIST 384	Three Germanies	3
HIST 385	History of the Holocaust, 1933 to the Present	3
HIST 386	Twentieth Century Russia	3
HIST 388	Imperial Russia, 1700-1917	3
HIST 391	Gender and Difference in Pre-Modern Europe	3
HIST 392	Sex and Gender in Modern Europe	3
HIST 394	European Intellectual History	3
HIST 395	Topics in History	3
HIST 500	Historiography	3

Only students enrolled in the History 4+1 BA/MA program are eligible for HIST 500

**3. Required Minor — 18 credits**

To ensure a broad based liberal arts education and help students develop a wider range of critical thinking skills across disciplines, a minor is required for all History-Liberal Arts major. Choices that align well with a history major include Anthropology, Economics, Geography, and Political Science. The history major is very flexible and allows for additional course work. Students interested in other minors or certificates should consult with their academic advisor.

The required minor is automatically waived for any student who completes a second major.

**4. University-Wide Credits — 28 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 28 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**ACCELERATED M.A. (4+1) IN HISTORY**

Motivated students may seek to complete the requirements for the B.A. and M.A. in History in five years. To obtain both degrees, students must complete all the requirements for the B.A. in History described above (120 credit hours) and all of the requirements for the M.A. described in the Graduate Catalog (30 credit hours). However, the accelerated B.A./M.A. program involves shared credit hours shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 141 for students with a Liberal Arts concentration. Completing the requirements for both degrees is made possible by taking double-counted B.A./M.A. credits during the Senior year (paid for at the undergraduate tuition rate) and graduate-level credits (online – graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. While this is the most efficient route, students may also elect to complete the program at a slower pace. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted to the Graduate Program.

**Accelerated M.A. Admission**

Due to its necessarily streamlined path of progression, admission to the Accelerated B.A. and M.A. in History occurs in the Fall semester only. Students interested in transferring into the accelerated program must:

- Have a cumulative GPA of at least 3.25 to take graduate-level courses as a Senior.

- Meet with the History Department's Director of Graduate Studies in the fall semester of the Junior year and apply during the spring semester of the Junior year (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the Senior year while maintaining a minimum 3.25 GPA. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.
- Complete HIST 500 (Historiography) in the fall semester of their Senior year followed by HIST 580 (Senior Seminar) and another 500-level graduate course in the spring. These are the nine credits double counted within the accelerated program.
- Students must apply for completion of their B.A. degree the semester before completing the degree (e.g., in the fall semester of their Senior Year). To apply, students must be registered for all remaining courses in their final undergraduate semester.

#### **Accelerated M.A. Timeline**

Outline for degree completion of the Accelerated B.A. with a Liberal Arts Concentration and M.A. in History - Total 30 Credits

#### **Fall Semester, Junior year**

Meet with faculty advisor or Director of Graduate Studies and apply for the program

#### **Fall Semester, Senior year**

HIST 500 Historiography (3 credits, double-counted)

#### **Spring Semester, Senior year**

HIST 580 Senior Seminar (3 credits, double-counted)  
A Second 500-level Graduate Course in History (3 credits, double-counted)

#### **Summer after Senior year**

One online 6-week 500-level courses (3 credits)

*Notes:*

- *Only two of these courses will be offered each summer.*
- *Because students are required to register for their three 500-level summer credits while they are still undergraduates, they must call the Office of the Registrar no later than the drop period for the summer semester to change their registration to graduate level.*

#### **Fall Semester, fifth year**

Two 500-level HIST courses (6 credits)  
HIST 690 Writing Seminar (3 credits)

#### **Spring Semester, fifth year**

Two 500-level HIST courses (6 credits)  
HIST 690 Writing Seminar (3 credits)

*Notes: Students will take 6 credits of HIST 690.*

## **HISTORY B.A. - LICENSURE: SOCIAL STUDIES (GRADES 7-12)**

### **PROGRAM OVERVIEW**

#### **College of Humanities and Social Sciences**

**Location:** Ross Hall 3270

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/history

#### **Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### **The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### **Program Description:**

This program fulfills an important role in training teachers at the undergraduate level. In addition to its emphasis in content areas of history and social science, it participates in the UNC/partner school program and the student-teaching experience/placement for its students. Experienced history faculty are regularly assigned the responsibility of observing our teacher candidates in the field. The end result of a student's study is a senior seminar completed under the direction of a faculty advisor during the senior year in residence.

A graduate with a bachelor's degree in history and who receives endorsement in the Grades 7-12 social studies licensure area is qualified to teach social studies in middle and high schools and to pursue graduate study in history.

#### **Program Admission Requirements:**

Academic Good Standing

#### **Program Requirements:**

- History majors must obtain a grade of "C" or better (C- is not acceptable) in all courses required for the major. Majors receiving a grade of "C-" or lower must retake the course -- or an equivalent approved by the academic advisor -- and receive a grade of "C" or better to have the course counted toward the major.

- All History majors must take HIST 280 and LIB 180 either before or concurrently with their first 300 level HIST course.
- All history courses numbered 300 or higher include a research and writing component.

### **PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 121 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 121 credits as outlined, the program recommends the LAC courses below that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*HIST 114 (3) or HIST 115 (3) is recommended to fulfill the History and International Studies requirement and will fulfill both LAC and major requirements.*

*GEOG 100 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

*PSCI 100 (3) is recommended to fulfill additional Arts & Humanities, History, Social & Behavioral Sciences requirement and will fulfill both LAC and a major requirement.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum** (p. 70)

**2. Required Major — 37 credits****Take both of the following courses:**

HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3

**Choose one of the following courses:**

HIST 114	World History to 1500	3
HIST 115	World History Since 1500	3

**Choose one of the following courses:**

HIST 110	African Civilization	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3
HIST 118	History of Mexico	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
HIST 121	Western Civilization from 1689 to the Present	3

**Take the following courses:**

HIST 280	Sophomore Seminar	3
LIB 180	History Library Research	1

**Choose one of the following courses:**

HIST 480	Seminar in History	3
HIST 580	Seminar in History	3

Only students enrolled in the History 4+1 BA/MA program are eligible for HIST 580.

**Required Social Science Support Courses — 18 credits**

Two of the courses in this area (GEOG 100 and PSCI 100) are recommended to be taken as part of the LAC. Any additional LAC coursework completed outside of these recommendations may extend the length of the program of study.

ANT 110	Introduction to Cultural Anthropology	3
ECON 203	Principles of Macroeconomics	3
GEOG 100	World Geography	3
PSCI 100	United States National Government	3
	Choose two 200-level or above courses in ECON, GEOG, or PSCI	6

**Remaining Major — 24 credits**

In addition to the required credits, each major will also take twenty-four hours of electives at the 200-level or above. See course listings below.

Students must take at least three credits in all three elective areas (United States, European, African/Asian/Latin America/World), but no more than twelve credits in one elective area can count toward the major. At least eighteen of the twenty-four credits must be 300-400 level.

Six credits may be 200-level.

**United States Area**

Select at least one course (3-credits) but no more than four courses (12-credits) from the list.

HIST 224	History of Colorado	3
HIST 230	Class and Culture in America	3
HIST 250	LGBTQ History in the United States (1900-2000)	3
HIST 290	American Immigration	3
HIST 300	History of Feminism	3
HIST 320	Early America to 1763	3
HIST 329	Indigenous North America	3
HIST 321	Revolutionary America, 1763-1815	3
HIST 322	Religion in American History	3
HIST 327	The Early American West	3
HIST 328	The United States West Since 1846	3
HIST 331	Civil War and Reconstruction	3
HIST 338	Advanced Overview of American History	3
HIST 342	American Constitutional History	3
HIST 347	United States Women's History to 1877	3
HIST 348	United States Women's History Since 1877	3
HIST 351	The United States and World War II	3
HIST 353	The Rise of the American Century: The United States from 1898-1945	3
HIST 354	The United States and the Vietnam Wars	3
HIST 355	American as a World Power: United States History from 1945 to the Present	3
HIST 356	The 1970s: America's Decade of Change	3
HIST 357	The United States and the Middle East	3
HIST 395	Topics in History	3
HIST 500	Historiography	3

Only students enrolled in the History 4+1 BA/MA program are eligible to enroll in HIST 500.

**Africa/Asia/Latin America/World Area**

Select at least one course (3-credits) but no more than four courses (12-credits) from the list.

HIST 304	Sex and Gender in East Asia	3
HIST 306	Modern China through Film	3
HIST 307	History of China to 1500	3
HIST 310	History of China Since 1500	3
HIST 311	History of Japan	3
HIST 312	History of Brazil	3
HIST 314	History of Latin America to 1855	3

HIST 315	History of Latin America: 1855 to the Present	3
HIST 316	History of Caribbean and Central America	3
HIST 318	Modern Africa	3
HIST 319	Revolutionary South Africa	3
HIST 395	Topics in History	3
HIST 396	World History	3
HIST 500	Historiography	3

Only students enrolled in the History 4+1 BA/MA program are eligible to enroll in HIST 500.

**European Area**

Select at least one course (3-credits) but no more than four courses (12-credits) from the list.

HIST 264	Magic in Europe from Antiquity to the Enlightenment	3
HIST 283	Russian Cultural History	3
HIST 361	History of Classical Greece and Rome	3
HIST 363	Medieval History	3
HIST 365	Jews, Christians, and Muslims in Medieval Europe	3
HIST 367	Topics in Early Modern Europe	3
HIST 368	England: National and Global Histories, 1485-1800	3
HIST 371	The European Enlightenment	3
HIST 372	European Reformation: Religion & Society	3
HIST 373	France, Empire and War to 1804	3
HIST 382	Hitler's Germany 1890-1945	3
HIST 383	Great War and Aftermath	3
HIST 384	Three Germanies	3
HIST 385	History of the Holocaust, 1933 to the Present	3
HIST 386	Twentieth Century Russia	3
HIST 388	Imperial Russia, 1700-1917	3
HIST 391	Gender and Difference in Pre-Modern Europe	3
HIST 392	Sex and Gender in Modern Europe	3
HIST 394	European Intellectual History	3
HIST 395	Topics in History	3
HIST 500	Historiography	3

Only students enrolled in the History 4+1 BA/MA program are eligible to enroll in HIST 500.

**3. Required PTEP — 38 credits**

**Phase I (5 credits taken concurrently).**

STEP 161	Observation and Analysis of Secondary Teaching I	2
EDF 290	Foundations of Education	3

**Phase II (8 credits taken concurrently)**

STEP 262	Observation and Analysis of Secondary Teaching II	2
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EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Phase III (11 credits taken concurrently)**

STEP 363	Clinical Experience: Secondary	2
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
SOSC 341	Teaching Secondary Social Studies	3

ECLD 340: (may be taken outside of Phase III)

**Phase IV (14 credits)**

STEP 464	Secondary Student Teaching	1-14
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The History Secondary Education major should follow the phase program delineated by the STEP program.

No history major may apply for admission to the PTEP program until completion of at least 15 semester hours in the major. At least 9 of these hours must have been taken at the University of Northern Colorado. To be admitted to the Secondary PTEP in History (Phase III), a student must have a B- grade point average in courses counting toward the major and taken at UNC.

Before being permitted to apply for student teaching, a history major must have completed successfully 27 hours in the major and have at least a B- grade point average in major courses taken at UNC.

**PTEP students majoring in history are required to take:**

SOSC 341	Teaching Secondary Social Studies	3
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**4. University-Wide-Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 121 credit hours. This degree does not require university wide electives and has received an exception from the CDHE to exceed the typical limit of 120 credit hours.

**ACCELERATED M.A. (4+1) IN HISTORY**

Motivated students may seek to complete the requirements for the B.A. and M.A. in History in five years. To obtain both degrees, students must complete all the requirements for the B.A. in History listed above (124 credit hours) and all of the requirements for the M.A. described in the Graduate Catalog (30 credit hours). However, the accelerated B.A./M.A. program involves shared credit hours shared between the Bachelor's and Master's programs, so the total number of credit hours to complete the accelerated Master's program is 148 for those with a



Secondary Teaching concentration. Completing the requirements for both degrees is made possible by taking double-counted B.A./M.A. credits during the Senior year (paid for at the undergraduate tuition rate) and graduate-level credits (online – graduate-level tuition rate) in the summer following the Senior year and completion of the undergraduate program. While this is the most efficient route, students may also elect to complete the program at a slower pace. Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted to the Graduate Program.

### **Accelerated M.A. Admission**

Due to its necessarily streamlined path of progression, admission to the Accelerated B.A. and M.A. in History occurs in the Fall semester only. Students interested in transferring into the accelerated program must:

- Have a cumulative GPA of at least 3.25 to take graduate-level courses as a Senior.
- Meet with the History M.A. Director of Graduate Studies in the fall semester of the Junior year and apply during the spring semester of the Junior year (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the Senior year while maintaining a minimum 3.25 GPA. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.
- Complete HIST 500 (Historiography) and HIST 580 (Senior Seminar) in the fall semester of their Senior year. These are the six credits double counted within the accelerated program.
- Students must apply for completion of their B.A. degree the semester before completing the degree (e.g., in the fall semester of their Senior Year). To apply, students must be registered for all remaining courses in their final undergraduate semester.

### **Accelerated M.A. Timeline**

Outline for degree completion of the Accelerated B.A. with a Secondary Teaching concentration and M.A. in History - Total 30 Credit

#### **Fall Semester, Junior year**

Meet with faculty advisor or Director of Graduate Studies and apply for the program

#### **Fall Semester, Senior year**

HIST 500 Historiography (3 credits, double-counted)  
HIST 580 Senior Seminar (3 credits, double-counted)

#### **Spring Semester, Senior year**

Student Teaching

#### **Summer after Senior year**

Two online 6-week 500-level courses (6 credits)

#### *Notes:*

- *Only two of these courses will be offered each summer.*
- *Because students are required to register for their six 500-level summer credits while they are still undergraduates, they must call the Office of the Registrar no later than the drop period for the summer semester to change their registration to graduate level.*

#### **Fall Semester, fifth year**

Two 500-level HIST courses (6 credits)  
HIST 690 Writing Seminar (3 credits)

#### **Spring Semester, fifth year**

Two 500-level HIST courses (6 credits)  
HIST 690 Writing Seminar (3 credits)

*Notes: Students will take 6 credits of HIST 690.*

## HUMAN SERVICES B.S.

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Location:** Gunter 1250

**Telephone:** 970.351.2403

**Website:** [www.unco.edu/nhs/human-services](http://www.unco.edu/nhs/human-services)

#### Advising Information:

Students must consult with a major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Human Services program provides a comprehensive understanding of the techniques and theories in the helping professions. You will master the skills needed to solve real-world problems using a variety of human services methods. The undergraduate degree in Human Services provides students with the skills to be able to work in a variety of human services settings. Students take a core curriculum that provides a liberal arts education and the tools needed to be a successful professional. Students also select from among multidisciplinary courses across a variety of human services content areas. A hallmark of this program is the fieldwork experiences integrated into course requirements.

The Human Services degree requires completion of an internship. Since the Human Services field requires direct contact with vulnerable individuals, agencies conduct background checks on new employees, including interns. Any student who has a criminal conviction may be unable to register for and complete this required internship. For additional information about vulnerable populations, please review "The Consequences of Conviction" at: [www.coloradodefenders.us/wp-content/uploads/2015/01/consequences-of-conviction.pdf](http://www.coloradodefenders.us/wp-content/uploads/2015/01/consequences-of-conviction.pdf)

#### Program Admission Requirements:

Academic Good Standing and *acceptance of and willingness to follow the Ethical Standards for Human Services Professionals Agreement.*

## DEGREE REQUIREMENTS — 120 CREDITS

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### 1. Liberal Arts Curriculum — 31 credits

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*HUSR 205 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

*PSY 230 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 48 credits****Take all of the following courses:**

HUSR 205	Introduction to Human Services	3
HUSR 300	Human Services Helping Skills	3
HUSR 380	Rehabilitation Principles and Case Management	3
HUSR 397	Foundations of Substance Abuse Prevention and Treatment	3
HUSR 399	Professional Ethics in the Human Services	3
HUSR 410	Human Services Program Planning and Evaluation	3
HUSR 492	Internship in Human Services	1-15
PSY 230	Lifespan Development	3
STAT 150	Introduction to Statistical Analysis	3

HUSR 492: Take 12 credits

**Select any 12 approved credits from the following:**

HUSR 208	Perspectives on Aging and Later Life	3
HUSR 209	Foundations of Health Promotion/Health Education	3
HUSR 238	Contemporary Issues in Drug Abuse	3
HUSR 336	Human Sexuality	3
HUSR 342	Modern Concepts of Health and Disease	3
HUSR 350	Introduction to Environmental Health	3
HUSR 385	Working with Families in Rehabilitation	3
HUSR 405	Health Communications and the Media	3
HUSR 460	Community Resources for Older Adults	3
HUSR 475	Psychiatric Rehabilitation	3
HUSR 495	Special Topics in Human Services	1-4
PSY 331	Maturity and Aging	3
SOC 471	Sociology of Aging	3

**3. University-Wide Elective Credits — 41 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 41 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**INTERDISCIPLINARY STUDIES: STUDENT DESIGNED B.A.****PROGRAM OVERVIEW****Undergraduate Academic Engagement**

**Contact:** ISSDBA@unco.edu

**Location:** Michener L98

**Telephone:** 970.351.2940

**Website:** [www.unco.edu/programs/interdisciplinary-studies-ba/](http://www.unco.edu/programs/interdisciplinary-studies-ba/)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description**

The Bachelor of Arts degree in Interdisciplinary Studies enables undergraduate students to pursue an interdisciplinary program of study they design in substitution for the traditional major. Each student pursuing this major works with at least two faculty advisors who assist in constructing a program of study that will meet the student's individual interests and needs.

Graduates benefit by pursuing a major that develops awareness of the interrelatedness and wholeness of knowledge. This program enables students to integrate knowledge focusing on both contemporary and lasting human issues and problems and provides the groundwork for students who aspire to careers that are enriched by study in two or more disciplines. Students develop both theoretical and practical approaches to topics.

**Program Admission Requirements:**

Students desiring to enter the program should contact the Division of Academic Engagement receive a copy of the applicant and receiving initial advising about steps to develop an individualized plan of study. No more than 15 credits of completed coursework may be included in the proposed plan of study. Plans must be endorsed by faculty advisors in two different disciplines and approved by the Schulze Chair of Honors & Interdisciplinary Studies and the Undergraduate Council before the student can be officially accepted in the major.

**Program Requirements:**

- At least 50 percent of the coursework taken to complete the major must be upper division courses, 300-400 level.
- Plans must include at least 12 credits each from two separate disciplines. Faculty advisors who endorse the proposal must be from these two disciplines.
- At least 45 of the 60 credit hours included on the individualized plan of study must be completed after the proposal has been approved.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits****Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 60 credits****Take all of the following:**

- XXXX 422 Directed Studies (3) (Must be a Thesis or Final Project)
  - Must have regular prefix of appropriate area of study with the departmental prefix of at least one of the primary advisor as supervising faculty.
- Complete an approved, coherent multi- or interdisciplinary program of courses to total 57 credits.
  - At least 27 credits must be at the 300 level or above.

**3. University-Wide Credits — 29 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 29 credits.

## INTERNATIONAL AFFAIRS B.A. – AREA STUDIES CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/political-science-international-affairs

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This concentration area will develop a broad understanding of international issues through an interdisciplinary combination of courses that includes a regional focus. Foreign language study is required. Students will choose one of four regional concentrations.

This concentration area promotes the development of analytical, research, writing and language skills that are necessary to think critically and reflect upon contemporary international issues.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

Students are required to be orally proficient in a foreign language. There are three ways to fulfill the language proficiency requirement:

1. Three credits in a foreign language at the 300 level or above;
2. Demonstrated proficiency at the intermediate/low level on the ACTFL/ETS Oral Proficiency Interview;
3. Other evidence approved by the student's departmental advisor.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

One of the following two courses are recommended, but not required.

GEOG 100	World Geography	3
	or	
GEOG 200	Human Geography	3

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 36 credits

#### Take each of the following courses:

PSCI 105	Fundamentals of Politics	3
PSCI 110	Global Issues	3

#### Choose one of the following courses:

PSCI 415	Senior Seminar in Comparative Politics	3
PSCI 425	Senior Seminar in International Relations	3

**NOTE:** Students should be aware that PSCI 415 and PSCI 425 are only offered in fall semesters. Students enrolled in Study Abroad or an Internship conflicting with fulfillment of the PSCI 415 or PSCI 425 requirement may substitute another PSCI course with the approval of their PSCI Advisor.

**Choose three of the following courses:**

PSCI 200	Introduction to Comparative Politics	3
PSCI 220	Introduction to International Relations	3
PSCI 230	The Evolution of the Modern State	3
PSCI 240	Globalization	3
PSCI 270	Nationalism, Ethnicity and Race	3
PSCI 286	Value Issues in Political Economy or	3
MIND 286	Value Issues in Political Economy	3
PSCI 296	Study Abroad Experience	3
PSCI 315	Comparative Public Policy	3
PSCI 317	Dictatorship to Democracy	3
PSCI 318	The Politics of the Developing States	3
PSCI 321	War and Peace	3
PSCI 320	American Foreign Policy	3
PSCI 323	Politics of Religion	3
PSCI 326	International Political Economy	3
PSCI 327	Politics of Migration	3
PSCI 328	International Law and Organizations	3
PSCI 350	Politics and Film	3
PSCI 351	Screening for PSCI 350	0

**Choose three of the following courses (9 credits minimum):**

ANT 110	Introduction to Cultural Anthropology	3
ANT 313	Anthropology of Globalization	3
ANT 314	Anthropology of Sex and Gender Diversity	3
ANT 331	Anthropology and Contemporary Human Problems	3
BA 251	International Business	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
ECON 301	Money and Banking	3
ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3
ECON 344	International Economics	3
ECON 360	Economics of Growth and Development	3
ECON 377	Industrial Organizations	3
ENST 100	Introduction to Environmental Studies	3
ENST 205	Environment, Politics and Law	3
ENST 215	Human Behavior and Environment	3
ENST 225	Energy and the Environment	3
ENST 235	Chemistry and the Environment	3
ENST 331	Anthropology and Contemporary Human Problems	3
ENST 335	Environmental and Resource Economics	3

ENST 380	Sustainable Geographies	3
GEOG 296	Study Abroad Experience	3
GEOG 315	Nature and Society	3
GEOG 360	Nations, States, and Territory	3
GNDR 285	Gender in the Contemporary Global Order	3
PHIL 311	Environmental Ethics	3
PSCI 392	Internship	1-13
PSCI 422	Directed Studies	1-3
SOC 235	Social Change in a Global Context	3

**NOTE:** No more than 3 credits of internship can be used toward the major.

**Choose one of the following regional concentrations: Africa and the Middle East; Asia; Europe; or Latin America.**

**Africa and the Middle East Concentration**

Choose three of the following courses:

AFS 104	Survey of Africa	3
AFS 396	African and African American World Views	3
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
HIST 110	African Civilization	3
HIST 318	Modern Africa	3
HIST 319	Revolutionary South Africa	3
HIST 395	Topics in History	3
PSCI 325	Conflict in the Middle East	3

HIST 395: Africa or the Middle East subtitle

**Asia Concentration**

Choose three of the following courses:

ASIA 116	State, Society, and Culture in Contemporary Asia	3
CHIN 116	Introduction to Chinese Civilization	3
ENG 262	Masterpieces of World Literature	3
GEOG 218	Emerging Asia	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3
HIST 307	History of China to 1500	3
HIST 310	History of China Since 1500	3
HIST 311	History of Japan	3
HIST 395	Topics in History	3
JAPN 116	Contemporary Japan	3
MIND 181	Great Traditions of Asia: India, China and Japan	3
PSCI 319	Asian Politics	3

HIST 395: Asia subtitle

**Europe Concentration**

Choose three of the following courses (9 credits minimum):

FR 411	France Then and Now	3
FR 412	French Politics and Society	3
GEOG 340	Europe	3
GEOG 392	Field Course in Geography	1-6
GER 116	Contemporary Germany	3
HIST 283	Russian Cultural History	3
HIST 371	The European Enlightenment	3
HIST 383	Great War and Aftermath	3
HIST 384	Three Germanies	3
HIST 385	History of the Holocaust, 1933 to the Present	3
HIST 386	Twentieth Century Russia	3
HIST 392	Sex and Gender in Modern Europe	3
HIST 395	Topics in History	3
PSCI 210	European Politics	3
PSCI 215	Post-Communist Russian Empire	3
SPAN 321	Spanish Civilization and Culture	3

HIST 395: European subtitle

**Latin American Concentration**

Choose three of the following courses (9 credits minimum):

GEOG 333	Environment and Society in Latin America	3
GEOG 392	Field Course in Geography	1-6
HIST 118	History of Mexico	3
HIST 312	History of Brazil	3
HIST 314	History of Latin America to 1855	3
HIST 315	History of Latin America: 1855 to the Present	3
HIST 316	History of Caribbean and Central America	3
HIST 395	Topics in History	3
PSCI 316	Latin American Politics	3
SPAN 331	Latin American Civilization and Culture	3
SPAN 341	Mexican and Mexican American Civilization and Culture	3

HIST 395: Latin American subtitle

**3. University-Wide Credits — 53 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 53 credits.

## INTERNATIONAL AFFAIRS B.A. – INTERNATIONAL POLITICAL ECONOMY CONCENTRATION

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### PROGRAM OVERVIEW

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**College of Humanities and Social Sciences**

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/political-science-international-affairs](http://www.unco.edu/hss/political-science-international-affairs)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

This concentration area will develop a broad understanding of international issues through the study of international political economy. Foreign language study as well as political science and economics are the main focus. Course requirements also involve classes from a number academic departments.

This concentration area promotes the development of analytical, research, writing and language skills that are necessary to think critically and reflect upon contemporary international issues.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

Students are required to be orally proficient in a foreign language. There are three ways to fulfill the language proficiency requirement:

1. Three credits in a foreign language at the 300 level or above;
2. Demonstrated proficiency at the intermediate/low level on the ACTFL/ETS Oral Proficiency Interview;
3. Other evidence approved by the student's departmental advisor.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

One of the following two courses are recommended, but not required.

GEOG 100	World Geography	3
	or	
GEOG 200	Human Geography	3

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 36 credits**

**Take the following courses:**

PSCI 105	Fundamentals of Politics	3
PSCI 110	Global Issues	3

**Choose one of the following courses:**

PSCI 415	Senior Seminar in Comparative Politics	3
PSCI 425	Senior Seminar in International Relations	3

**NOTE:** Students should be aware that PSCI 415 and PSCI 425 are only offered in fall semesters. Students enrolled in Study Abroad or an Internship conflicting with fulfillment of the PSCI 415 or PSCI 425 requirement may substitute another PSCI course with the approval of their PSCI Advisor.

**Choose three of the following courses (nine credits minimum):**

ENST 205	Environment, Politics and Law	3
PSCI 200	Introduction to Comparative Politics	3
PSCI 220	Introduction to International Relations	3
PSCI 230	The Evolution of the Modern State	3
PSCI 240	Globalization	3
PSCI 270	Nationalism, Ethnicity and Race	3
PSCI 286	Value Issues in Political Economy	3
	or	
MIND 286	Value Issues in Political Economy	3
PSCI 296	Study Abroad Experience	3
PSCI 315	Comparative Public Policy	3
PSCI 317	Dictatorship to Democracy	3
PSCI 318	The Politics of the Developing States	3
PSCI 320	American Foreign Policy	3
PSCI 321	War and Peace	3
PSCI 323	Politics of Religion	3
PSCI 326	International Political Economy	3
PSCI 327	Politics of Migration	3
PSCI 328	International Law and Organizations	3
PSCI 350	Politics and Film	3
PSCI 351	Screening for PSCI 350	0
PSCI 392	Internship	1-13

**NOTE:** No more than 3 credits of internship can be used toward the major.

**Take all of the following courses:**

ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3

**Choose one of the following courses:**

ECON 301	Money and Banking	3
ECON 344	International Economics	3
ECON 360	Economics of Growth and Development	3
ECON 377	Industrial Organizations	3
ECON 452	Econometrics	3
BA 251	International Business	3
ENST 335	Environmental and Resource Economics	3



**Choose one of the following courses:**

GEOG 296	Study Abroad Experience	3
PSCI 210	European Politics	3
PSCI 215	Post-Communist Russian Empire	3
PSCI 316	Latin American Politics	3
PSCI 319	Asian Politics	3
PSCI 325	Conflict in the Middle East	3

**3. University-Wide Credits — 53 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 53 credits.

**JOURNALISM B.A.****PROGRAM OVERVIEW****College of Humanities and Social Sciences**

**Location:** Candelaria 1265

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/journalism-media-studies](http://www.unco.edu/hss/journalism-media-studies)

**Advising Information**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**This program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

Gain critical skills and hands-on experience in reporting, writing, editing and producing news for print, broadcast and the Web. You'll graduate prepared to work in a wide variety of news organizations, including TV and radio stations, online news publications, newspapers and magazines.

**Program Admission Requirements:**

Academic Good Standing

**Program Note:**

Journalism majors may not also enroll in the Media Studies minor.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 Credits****Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 50 credits**

**Take all of the following courses (35 credits):**

JMS 100	Introduction to Journalism and Media Studies	3
JMS 210	Media Writing	3
JMS 212	Visual Media	3
JMS 310	News Reporting and Writing	3
JMS 312	Digital Storytelling	3
JMS 342	Video Production	4
JMS 350	News Editing	3
JMS 410	Advanced News	3
JMS 450	News Production	4
JMS 485	Media Ethics	3
JMS 497	Media Law	3

**Complete 15 credits of Journalism electives (15 credits)**

Take any additional courses with the JMS prefix to bring the total credit hours in the major to 50 credits.

(JMS 492 Internship is strongly recommended.)

**3. University-Wide Credits — 39 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree that will typically be 39 credits.

**MATHEMATICS B.S. – COMPUTER SCIENCE CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Natural and Health Sciences**

**Contact:** Jodie Dawn Novak, Ph.D., School Director

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

**Advising Information**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

All undergraduate programs require a core of common courses to provide students with a solid foundation in the mathematical sciences. Thereafter, students can choose from different concentration areas depending on their educational interests and goals.

**Computer Science Concentration**

Expanded computational, scientific, statistical, and mathematical knowledge, combined with growing needs in technology have created increased demands for individuals trained in mathematics and computer science. This concentration will allow the student to be prepared for careers with computer software companies, careers involving a significant use of computer technology, or for additional graduate study in computer science and other related disciplines.

**Program Admission Requirements:**

Academic Good Standing.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) or MATH 132 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 55 credits****Take all of the following courses:**

CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
CS 200	Object-Oriented Analysis, Design, and Programming	3
CS 301	Algorithms and Data Structures	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 233	Calculus III	4
MATH 335	Differential Equations I	3
MATH 350	Elementary Probability Theory	4
MATH 495	Topics in Mathematics	1-3

Note: MATH 495 - Take 3 credits.

**Choose one of the following courses:**

CS 454	Data Mining and Machine Learning	3
CS 456	Neural Networks and Deep Learning	3

**Take 12 credits from:**

CS 302	Programming Languages	3
CS 350	Software Engineering I	3
CS 395	Special Topics in Computer Science	1-3
CS 440	Operating Systems	3
CS 442	Networking	3
CS 454	Data Mining and Machine Learning	3
CS 456	Neural Networks and Deep Learning	3
CS 497	Senior Project	1-8
MATH 321	Introduction to Abstract Algebra I	3
MATH 322	Introduction to Abstract Algebra II	3
MATH 336	Differential Equations II	3
MATH 341	Introduction to Modern Geometry I	3
MATH 342	Introduction to Modern Geometry II	3
MATH 351	Elementary Statistics Theory	3
MATH 375	Elementary Numerical Analysis	3
MATH 431	Basic Analysis I	4
MATH 432	Basic Analysis II	4
MATH 437	Mathematical Modeling	3
MATH 460	Introduction to Complex Analysis	3
MATH 495	Topics in Mathematics	1-3
STAT 411	Fundamentals of Data Science	3
STAT 451	Intermediate Applied Statistics	3

with MATH 495 taken under a second title.

**3. University-Wide Credits — 34-37 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program that will typically be 34-37 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MATHEMATICS B.S. – LICENSURE: MIDDLE SCHOOL MATHEMATICS (GRADES 6-8)

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Lindsay Reiten, Ph.D., Assistant Professor

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

#### Advising Information

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

This program prepares students to teach mathematics, such as arithmetic, algebra, geometry, and applications at the middle school level (grades 6-8).

Students entering this program are expected to have the equivalent of four years of high school mathematics that will enable them to begin a study of calculus; students without these prerequisites may be required to take additional courses in algebra and trigonometry before beginning the calculus sequence.

Graduates of this program are prepared and will be qualified for licensure to teach mathematics in grades 6-8 in the state of Colorado. The program also prepares students for graduate study in mathematics education.

#### Program Admission Requirements:

- Academic Good Standing
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

#### Program Requirements:

*For admission to PTEP, the student must have:*

- Completed MATH 185 and MATH 131 with a grade of "C" or better (C- is not acceptable);
- Completed at UNC at least two content courses that may count toward the Math major;
- A GPA of at least 2.5 in all content courses taken at UNC that may count toward the major.

*For admission to Student Teaching, the student must have:*

- Satisfactorily completed at least 30 semester hours of content courses that may count toward the math major, including: MATH 286, MATH 341 and MATH 391;
- Satisfactorily completed Phases One, Two and Three of the Secondary Teacher Education Program;
- A GPA of at least 2.5 in content courses taken at UNC that may count toward the major.

The GPA in the content courses will be computed by Mathematical Sciences according to procedures approved by the faculty that are in place at the time the student's application for admission to PTEP, or to student teaching, or for graduation.

Content courses that may count toward the major are those mathematics, statistics and/or computer courses specified in the Catalog as required courses for the major, or as program electives in the major.

It is recommended that students entering the program take MATH 102 in their first semester.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3

- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses, some of which also count toward the required major and PTEP credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*ENG 225 is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*MATH 131, MATH 132, or MATH 185 is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 Credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PSY 247 is recommended to fulfill Social & Behavioral Sciences and will fulfill both LAC and PTEP major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### **See Liberal Arts Curriculum (p. 70)**

### **2. Required Major — 38 credits**

Take all of the following courses:

CS 120	Introduction to Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 185	Number Sense and Algebra	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
MATH 286	Elements of Discrete Mathematics	3
MATH 317	Mathematical Foundations for Teachers	3
MATH 341	Introduction to Modern Geometry I	3
MATH 386	Problem Solving	3
MATH 391	Introduction to Number Theory	3
MATH 464	Introduction to History of Mathematics	3
STAT 355	Introduction to Applied Statistics and Probability	3

MATH 131, MATH 132, and MATH 185 satisfy LAC Mathematics.

### **3. PTEP Requirements — 47 credits**

#### **Phase I (8 credits taken concurrently)**

ECLD 360	Second Language Acquisition	3
EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

#### **Phase II (5 credits taken concurrently)**

EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
STEP 262	Observation and Analysis of Secondary Teaching II	2

#### **Independent of Phase: Take nine credits**

ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
MED 341	Principles of Teaching Secondary Mathematics	3

MED 449 Teaching Mathematics with Technology 3

MED 341: Take after STEP 161 and prior to MED 441; recommended to be taken with STEP 262.

MED 449: Take prior to STEP 464.

ECLD 340: Suggest taking after STEP 161 and prior to STEP 262.

**Independent of Phase: Take 3 credits**

PSY 247 Adolescent Learning and Motivation 3

PSY 349 Educational Psychology for Secondary Teachers 3

**Phase III (8 credits taken concurrently)**

ET 449 Integrating Technologies into Secondary Education Pedagogy 3

MED 441 Methods of Teaching Mathematics 3

STEP 363 Clinical Experience: Secondary 2

**Phase IV (14 credits)**

STEP 464 Secondary Student Teaching 1-14

**4. University Wide Credits — 4 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 4 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an increased number of university wide electives to apply to this degree. See your advisor for details.

## MATHEMATICS B.S. – PURE AND APPLIED MATHEMATICAL SCIENCES CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Jodie Dawn Novak, Ph.D., School Director

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

#### Advising Information

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

All undergraduate programs require a core of common courses to provide students with a solid foundation in the mathematical sciences. Thereafter, students can choose from different concentration areas depending on their educational interests and goals.

#### Pure and Applied Mathematical Sciences Concentration

Expanded scientific, statistical and mathematical knowledge, combined with growing needs in technological as well as social areas, have created increased demands for individuals trained in applied mathematics. This concentration focuses on applications of mathematics to real-life problems and includes some supporting computer science and statistics. Graduates are prepared for technical positions in such areas as environmental, governmental, industrial, military, and social settings and for additional graduate study in mathematics and other related disciplines.

The concentration also prepares graduates for graduate programs in mathematics, applied mathematics, statistics, and data science. Students will be prepared to begin a career in a variety of quantitative settings including branches of engineering, physical and social science, finance and management, law and medicine.

**Program Admission Requirements:**

Academic Good Standing

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) or MATH 132 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 56 credits****Take all of the following courses:**

CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 233	Calculus III	4
MATH 321	Introduction to Abstract Algebra I	3
MATH 335	Differential Equations I	3
MATH 350	Elementary Probability Theory	4

MATH 431	Basic Analysis I	4
MATH 460	Introduction to Complex Analysis	3
MATH 495	Topics in Mathematics	1-3

Note: MATH 495 - Take 3 credits.

**Take 12 credits from:**

CS 301	Algorithms and Data Structures	3
CS 302	Programming Languages	3
CS 350	Software Engineering I	3
CS 454	Data Mining and Machine Learning	3
CS 456	Neural Networks and Deep Learning	3
MATH 322	Introduction to Abstract Algebra II	3
MATH 336	Differential Equations II	3
MATH 341	Introduction to Modern Geometry I	3
MATH 342	Introduction to Modern Geometry II	3
MATH 351	Elementary Statistics Theory	3
MATH 375	Elementary Numerical Analysis	3
MATH 432	Basic Analysis II	4
MATH 437	Mathematical Modeling	3
MATH 495	Topics in Mathematics	1-3
STAT 411	Fundamentals of Data Science	3
STAT 451	Intermediate Applied Statistics	3

with MATH 495 taken under a second title.

**3. University-Wide Credits — 33-36 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 33-36 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MATHEMATICS B.S. – LICENSURE: MATHEMATICS (GRADES 7-12)

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Lindsay Reiten, Ph.D., Assistant Professor

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

#### Advising Information

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

All undergraduate programs require a core of common courses to provide students with a solid foundation in the mathematical sciences. Thereafter, students can choose from three different concentration areas depending on their educational interests and goals.

This program prepares students to teach mathematics, such as arithmetic, algebra, geometry, trigonometry and mathematical analysis and applications at the secondary school level (grades 7-12).

Students entering this program are expected to have the equivalent of four years of high school mathematics that will enable them to begin a study of calculus; students without these prerequisites may be required to take additional courses in algebra and trigonometry before beginning the calculus sequence.

Graduates of this program are prepared and will be qualified for licensure to teach mathematics in grades 7-12 in the state of Colorado. The program also prepares students for graduate study in mathematics education.

#### Program Admission Requirements:

- Academic Good Standing

- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

#### Program Requirements:

*For admission to PTEP, the student must have:*

- completed MATH 131 and MATH 132 with a grade of "C" or better (C- is not acceptable);
- completed at UNC at least two content courses that may count toward the Math major;
- a GPA of at least 2.5 in all content courses taken at UNC that may count toward the major.

*For admission to Student Teaching, the student must have:*

- satisfactorily completed at least 30 semester hours of content courses that may count toward the math major, including: MATH 221, MATH 321 and MATH 341;
- satisfactorily completed Phases One, Two and Three of the Secondary Teacher Education Program;
- a GPA of at least 2.5 in content courses taken at UNC that may count toward the major.

The GPA in the content courses will be computed by the Mathematical Sciences according to procedures approved by the faculty that are in place at the time the student's application for admission to PTEP, or to student teaching, or for graduation.

Content courses that may count toward the major are those mathematics, statistics and/or computer courses specified in the Catalog as required courses for the major, or as program electives in the major.

It is recommended that students take MED 272, Mathematics Tutoring.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to



obtain a fingerprint background check, which is required by the Colorado Department of Education.)

- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses, some of which also count toward the required major and PTEP credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*ENG 225 is recommended to fulfill the Intermediate Writing Course in the Written Communication requirement.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*MATH 131 or MATH 132 is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 Credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PSY 247 is recommended to fulfill Social & Behavioral Sciences and will fulfill both LAC and PTEP major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses

See Liberal Arts Curriculum (p. 70)

### **2. Required Major — 42 credits**

Take all of the following courses:

CS 120	Introduction to Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 233	Calculus III	4
MATH 317	Mathematical Foundations for Teachers	3
MATH 321	Introduction to Abstract Algebra I	3
MATH 341	Introduction to Modern Geometry I	3
MATH 391	Introduction to Number Theory	3
MATH 437	Mathematical Modeling	3
MATH 464	Introduction to History of Mathematics	3
STAT 355	Introduction to Applied Statistics and Probability	3

### **3. Required PTEP — 47 credits**

#### **Phase I (8 credits taken concurrently)**

ECLD 360	Second Language Acquisition	3
EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

#### **Phase II (5 credits taken concurrently)**

STEP 262	Observation and Analysis of Secondary Teaching II	2
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3

**Independent of Phase: Take nine credits**

MED 341	Principles of Teaching Secondary Mathematics	3
MED 449	Teaching Mathematics with Technology	3
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3

MED 341: Take after STEP 161 and prior to MED 441; recommended to be taken with STEP 262.

MED 449: Take prior to STEP 464.

ECLD 340: Suggest taking after STEP 161 and prior to STEP 262.

**Independent of Phase: Take 3 credits**

PSY 247	Adolescent Learning and Motivation	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Phase III (8 credits taken concurrently)**

STEP 363	Clinical Experience: Secondary	2
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
MED 441	Methods of Teaching Mathematics	3

**Phase IV (14 credits)**

STEP 464	Secondary Student Teaching	1-14
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In the mathematics secondary PTEP, students must take MED 341, MED 441, MED 449 and ECLD 360.

**4. University-Wide Credits — 0 credits\***

\*Note: Students must apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an increased number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

**MATHEMATICS B.S. – STATISTICS AND DATA SCIENCE CONCENTRATION**

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**PROGRAM OVERVIEW**

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**College of Natural and Health Sciences**

**Contact:** Jodie Dawn Novak, Ph.D., School Director

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

**Advising Information**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

All undergraduate programs require a core of common courses to provide students with a solid foundation in the mathematical sciences. Thereafter, students can choose from different concentration areas depending on their educational interests and goals.

**Statistics and Data Science Concentration**

Expanded computational, scientific, statistical, and mathematical knowledge, combined with growing needs in technology have created increased demands for individuals trained in mathematics, statistics, and data science. This concentration focuses on statistical foundations and their applications to problems in varied disciplines, e.g. business, agriculture, medicine, law, literature, psychology and other social sciences, and on the design and analysis of statistical models in a wide variety of settings. Graduates are prepared for positions involving the design and analysis of statistical models in such areas as environmental, governmental, industrial, military, and social settings, and for additional graduate study in the areas of applied statistics and operations research.

**Program Admission Requirements:**

Academic Good Standing.

**DEGREE REQUIREMENTS — 120 CREDITS**

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**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

### Mathematics — 3 credits

*MATH 131 (4) or MATH 132 (4) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

### See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 55 credits

### Take all of the following courses:

CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 233	Calculus III	4
MATH 335	Differential Equations I	3
MATH 350	Elementary Probability Theory	4
MATH 351	Elementary Statistics Theory	3
MATH 495	Topics in Mathematics	1-3
STAT 411	Fundamentals of Data Science	3
STAT 451	Intermediate Applied Statistics	3

Note: MATH 495 - Take 3 credits.

### Take 12 credits from:

CS 301	Algorithms and Data Structures	3
CS 302	Programming Languages	3
CS 350	Software Engineering I	3

CS 395	Special Topics in Computer Science	1-3
CS 454	Data Mining and Machine Learning	3
CS 456	Neural Networks and Deep Learning	3
MATH 321	Introduction to Abstract Algebra I	3
MATH 322	Introduction to Abstract Algebra II	3
MATH 336	Differential Equations II	3
MATH 341	Introduction to Modern Geometry I	3
MATH 342	Introduction to Modern Geometry II	3
MATH 375	Elementary Numerical Analysis	3
MATH 431	Basic Analysis I	4
MATH 432	Basic Analysis II	4
MATH 437	Mathematical Modeling	3
MATH 460	Introduction to Complex Analysis	3
MATH 495	Topics in Mathematics	1-3

with MATH 495 taken under a second title.

### 3. University-Wide Credits — 34-37 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program that will typically be 34-37 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MEXICAN AMERICAN STUDIES B.A. – LIBERAL ARTS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Contact:** Department of Chicana/o and Latinx Studies

**Location:** Candelaria 0140

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/chicana-chicano-latinx-studies/

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Track Credits
4. University-Wide Credits

#### Program Description:

The fundamental objective of the bachelor's in Mexican American Studies is to provide the student with knowledge and understanding of the historical development and cultural experience of the largest Latino community in the United States: Mexican Americans. Emphasis is placed on its contemporary reality by various theoretical perspectives and areas of academic inquiry through the arts and sciences: history, literature, sociology, political science, gender studies and psychology.

This integrative approach seeks to help the student develop critical thinking and writing skills in order to establish a solid foundation in the liberal arts. It provides the essential tools for making informed judgments about the complex nature of our diverse society. The program culminates with the capstone course, an extensive research project, which fuses theoretical concepts with practical knowledge. The Mexican American Studies major prepares the student to pursue careers in the fields of law, business, public service, and education.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

At least 50 percent of the required major credits taken to complete the major must be upper division courses, 300-400 level.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 37 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MAS 100 (3) is recommended to fulfill Social & Behavioral Sciences and U.S. Multicultural Studies requirement and will fulfill both LAC and major requirements.*

*MAS 110 (3) is recommended to fulfill Arts & Humanities and U.S. Multicultural Studies requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### 2. Required Major courses — 35 credits

#### Required Major courses

MAS 100	Introduction to Mexican American Studies	3
MAS 101	Careers in Mexican American Studies	1
MAS 110	Contemporary Chicano Literature	3
MAS 301	Mexican American Politics and Leadership	3
MAS 337	Chicana/o Literature and Theory	3
MAS 380	US Mexico Immigration	3
MAS 420	Chicana/o Civil Rights Movement	3

MAS 446	Chicana/o Theory	3
MAS 450	Internship in Mexican American Studies	4
MAS 460	Narco Corrido and Mexican Folk Culture	3
SPAN 100	Introductory Spanish	3

**Select 3 credit-hours from the following:**

MAS 225	Latina/Latino History	3
MAS 280	Topics in Chicana/Chicano Art and Culture	3

**3. Track — 12 credits**

Complete all courses in one of the following tracks. It is recommended that students seek advising for the track.

**Community Health and Nutrition Track**

Select 12 credit hours from the following:

FND 250	Principles of Nutrition	3
HUSR 209	Foundations of Health Promotion/Health Education	3
HUSR 300	Human Services Helping Skills	3
HUSR 350	Introduction to Environmental Health	3
SOC 375	Sociology of Health and Illness	3

**Globalization, Borders and Migration Track**

Select 12 credit hours from the following:

ANT 331	Anthropology and Contemporary Human Problems	3
PSCI 240	Globalization	3
SOC 235	Social Change in a Global Context	3
SOC 388	Global Immigration	3

**Social Justice and Public Policy Track**

Select 12 credits hours from the following:

AFS 240	Dynamics of Racism	3
COMM 223	Intercultural Communication	3
GNDR 240	Gender, Race, Class, and Sexuality	3
LEAD 100	Fundamentals of Leadership	3
PSCI 303	Public Policy in the United States	3

**TESL, Bilingualism: Mexican American and the U.S. Educational Experience Track**

Required 12 credit hours:

COMM 223	Intercultural Communication	3
ECLD 360	Second Language Acquisition	3
MAS 275	Education of Mexican American Students	3
WLC 390	History and Philosophy of Multilingual Education	3

**Youth Advocacy Track**

Select 12 credit hours from the following:

HUSR 238	Contemporary Issues in Drug Abuse	3
SOC 237	Sociology of Race, Racism, and Power	3
SOC 247	Social Deviance	3
SOC 340	Juvenile Delinquency	3
SOC 347	Sociology of Corrections	3

**4. University-Wide Credits — 42 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 42 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MEXICAN AMERICAN STUDIES B.A. – LICENSURE: SOCIAL STUDIES (GRADES 7- 12)

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

**Contact:** Department of Chicana/o and Latinx Studies

**Location:** Candelaria 0140

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/chicana-chicano-latinx-studies/](http://www.unco.edu/hss/chicana-chicano-latinx-studies/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of five parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Supporting Credits
4. Professional Teacher Education Program (PTEP) Credits
5. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

This program fulfills an important role in training teachers at the undergraduate level to be social studies teachers. With increasing student diversity in our schools, both in Colorado and the nation, districts are desperate to hire teachers who are well grounded in curriculum and approaches that meet the needs of culturally diverse learners and their families. The secondary education concentration in Mexican American Studies effectively prepares preservice teachers to teach social studies to culturally diverse students at the middle and secondary levels. In addition to taking coursework in Mexican American Studies, History, Economics, Geography and Political Science, students will participate in the UNC partner school program through student teaching and field experience. It is recommended that students add the TESOL Endorsement (24 credits) to this licensure. Twelve of the 24 TESOL required credits are already required in the program. Students who complete the UNC TESOL endorsement successfully will be recommended by UNC for the CLD endorsement in Colorado.

#### Program Admission Requirements:

To be recommended for admission to PTEP students must complete a minimum of 12 semester credits in the major (at least 9 credits at UNC) with a 2.75 grade point average or higher in those courses taken at UNC and counting toward the major. Mexican American Studies majors must successfully complete at least 31 credits in the major with a 2.75 grade point average or above in courses taken at UNC prior to applying for student teaching and complete SOSC 341 with a grade of "C" or better (GPA 2.0 or above).

#### Program Requirements:

- All majors must obtain a grade of "C" or better (GPA 2.0 or above) in all MAS courses taken at UNC. Majors receiving a grade of "D" or lower in any course for the major must retake the course — or an equivalent approved by the academic advisor — and receive a grade of "C" or better (GPA 2.0 or above) to have the course counted toward the major.
- All MAS courses numbered 300 or higher include a research and writing component. Only 6 credits of MAS or HISP prefixes may be counted toward LAC. Students are strongly encouraged to acquire secondary language proficiency.

#### PTEP Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.

- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional course work completed outside the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any course to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS] and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MAS 100 (3) is recommended to fulfill Social & Behavioral Sciences and U.S. Multicultural Studies requirement and will fulfill both LAC and major requirements.*

*MAS 110 (3) is recommended to fulfill Arts & Humanities and U.S. Multicultural Studies requirements and will fulfill both LAC and major requirements.*

*HIST 100 (3), HIST 101 (3) and HIST 120 (3) or HIST 121 (3) are recommended to fulfill History requirement and will fulfill both LAC and major requirements.*

*SPAN 201 (3) or SPAN 202 (3) are recommended to fulfill Arts & Humanities and International Studies requirements and will fulfill both LAC and major requirements.*

*ECON 203 (3) or ECON 205 (3), GEOG 100 (3), GEOG 110 (3), and PSCI 100 (3) are recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social Behavioral courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Science courses (p. 75)

#### **See Liberal Arts Curriculum (p. 70)**

### **2. Major Requirements — 25 credits**

Students may select between MAS 275 or WLC 390. See course list below

MAS 100	Introduction to Mexican American Studies	3
MAS 110	Contemporary Chicano Literature	3
MAS 275	Education of Mexican American Students	3
	or	
WLC 390	History and Philosophy of Multilingual Education	3
MAS 301	Mexican American Politics and Leadership	3
MAS 380	US Mexico Immigration	3
MAS 420	Chicana/o Civil Rights Movement	3
MAS 450	Internship in Mexican American Studies	4
MAS 460	Narco Corrido and Mexican Folk Culture	3

### **3. Supporting Required Credits — 27 credits**

Students may select between ECLD 360 or ECLD 380; ECON 203 or ECON 205; HIST 120 or HIST 121; SPAN 100, SPAN 104, SPAN 201, or SPAN 202.

See course list below.

ECLD 360	Second Language Acquisition	3
	or	
ECLD 380	Introduction to Linguistics for ESL/CLD Educators	3
ECON 203	Principles of Macroeconomics	3
	or	
ECON 205	Principles of Microeconomics	3
GEOG 100	World Geography	3
GEOG 110	Geography of the United States and Canada	3
HIST 100	Survey of American History from Its Beginnings to 1877	3

HIST 101	Survey of American History from 1877 to the Present	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
	or	
HIST 121	Western Civilization from 1689 to the Present	3
PSCI 100	United States National Government	3
SPAN 100	Introductory Spanish	3
	or	
SPAN 104	Applied Spanish for Professionals	3
	or	
SPAN 201	Intermediate Spanish I	3
	or	
SPAN 202	Intermediate Spanish II	3

**4. Required PTEP — 38 credits**

**Phase I (5 credits taken concurrently)**

STEP 161	Observation and Analysis of Secondary Teaching I	2
EDF 290	Foundations of Education	3

**Phase II (8 credits taken concurrently)**

EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 349	Educational Psychology for Secondary Teachers	3
STEP 262	Observation and Analysis of Secondary Teaching II	2

**Phase III (11 credits taken concurrently)**

ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
SOSC 341	Teaching Secondary Social Studies	3
STEP 363	Clinical Experience: Secondary	2

**Phase IV (14 credits)**

STEP 464	Secondary Student Teaching	1-14
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**5. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an *increased* number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

Those choosing to add the TESOL Endorsement will not have additional university-wide credits. It is recommended that students meet with their advisor/s every semester.

**MUSIC B.A. - CULTURE AND EXPRESSION CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Performing and Visual Arts**

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Bachelor of Arts in Music and Culture and Expression Concentration is a flexible, student-centered program that includes a broad overview of the music field within a Liberal Arts degree. The Culture and Expression concentration offers students opportunities to focus on creative endeavors including composition and performance, research-based studies including musicology and theory, digital music and recording, music business and entrepreneurship, or a combination of those.

The program is easily paired with one of our certificate programs (Arts Entrepreneurship or Music Technology) and/or a minor outside the School of Music. The B.A. in Music is a good choice for students who wish to double-major in music and a field outside of music.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 Credits**

**See Liberal Arts Curriculum**

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses



**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context is recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses

**2. Required Major — 54 Credits**

**Required Major Credits - 7 credits**

Take all of the following courses

MUS 100	Recitals, Concerts and Productions	0
MUS 143	Musical Styles and Context	3
MUS 209	Introduction to Music Technology	2
MUS 460	Survey of the Music Business	2

Take MUS 100 four semesters

**Theory and Aural Skills courses - 8 credits**

Take either these four courses:

MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1

**Or these four courses:**

MUS 181	Jazz and Latin Theory I	3
MUS 182	Jazz and Latin Aural Skills I	1
MUS 183	Jazz and Latin Theory II	3
MUS 184	Jazz and Latin Aural Skills II	1

**Lessons - 4 credits**

Take 4 credits from the following:

MUS 231	Music Lessons	1
MUS 431	Music Lessons	1

**Ensembles - 4 credits**

Take 4 credits of ensemble courses

**Music History and Culture - 9 credits**

select 9 credits from the following:

MUS 145	Music for Cartoons: Disney to Animé	3
MUS 150	History of Rock and Roll	3
MUS 155	Beats and Grooves in Hispanic and Latinx Music	3
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 245	Introduction to Ethnomusicology	3
MUS 247	Music as Cultural Identity	3
MUS 248	Asian Musical Culture	3
MUS 344	History of Jazz	2
MUS 350	Afro-Caribbean and South American Music	3
MUS 351	Music of Mexico and Central America	3
MUS 363	Routes of Black Music	3
MUS 443	Topics in Jazz History	2

**Music Theory and Expression - 6 credits**

select 6 credits from the following:

MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 181	Jazz and Latin Theory I	3
MUS 182	Jazz and Latin Aural Skills I	1
MUS 223	Jazz Improvisation I	2
MUS 183	Jazz and Latin Theory II	3
MUS 184	Jazz and Latin Aural Skills II	1
MUS 262	Class Jazz Piano	1
MUS 313	Digital Composition	2
MUS 327	Analysis of Jazz Styles	2
MUS 328	Jazz Improvisation II	2
MUS 346	Arranging	2
MUS 441	Standard Latin and Jazz Repertoire	1

**MUS-prefix electives - 16 credits**

**University-Wide Credits — 35 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this program, that will typically be 35 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MUSIC B.A. - LATINX MUSIC CONCENTRATION

### PROGRAM OVERVIEW

#### College of Performing and Visual Arts

**Location:** Frasier Hall 108  
**Telephone:** 970.351.2993  
**Fax:** 970.351.1923  
**Website:** arts.unco.edu/music

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Bachelor of Arts in Music Latinx Music Concentration is designed for those with a passion to explore the rich musical traditions of Mexico, Central America, South America, and the Caribbean. The program offers coursework, lessons, and performance experiences to develop broad knowledge and skills in Latinx Music genres and cultures.

The program is easily paired with one of our certificate programs (Arts Entrepreneurship or Music Technology) and/or a minor outside the School of Music. The B.A. in Music is a good choice for students who wish to double-major in music and a field outside of music.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 Credits

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context, and MUS 155: Beats and Grooves in Hispanic and Latinx Music are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

*MAS 100 is recommended to fulfill Social & Behavioral Sciences and U.S. Multicultural Studies requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses

#### See Liberal Arts Curriculum

#### 2. Required Major — 62 credits

##### Required Major Credits - 30 credits

Take all of the following courses:

MUS 100	Recitals, Concerts and Productions	0
MUS 143	Musical Styles and Context	3
MUS 155	Beats and Grooves in Hispanic and Latinx Music	3
MUS 160	Class Piano I	1
MUS 209	Introduction to Music Technology	2
MUS 262	Class Jazz Piano	1
MUS 269	Latin Percussion Class	1
MUS 342	Jazz Rhythm Section Workshop	1
MUS 350	Afro-Caribbean and South American Music	3
MUS 351	Music of Mexico and Central America	3
MUS 441	Standard Latin and Jazz Repertoire	1
MUS 460	Survey of the Music Business	2
DNCE 140	Embodied Rhythm	2
MAS 100	Introduction to Mexican American Studies	3
MAS 280	Topics in Chicana/Chicano Art and Culture	3

MUS 100 - take 4 semesters

MUS 269 - take 2 credits

**Theory and Aural Skills - 8 credits**

Take either all of these courses:

MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1

**or all of these courses:**

MUS 181	Jazz and Latin Theory I	3
MUS 182	Jazz and Latin Aural Skills I	1
MUS 183	Jazz and Latin Theory II	3
MUS 184	Jazz and Latin Aural Skills II	1

**Lessons - 8 credits**

Take 8 credits from:

MUS 231	Music Lessons	1
MUS 431	Music Lessons	1
MUS 208	Group Lessons	1

**Ensembles - 4 credits**

MUS 419	Latin Music Ensemble	1
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Take MUS 419 four times

**Music Electives - 12 credits**

Take 12 credits of MUS-prefix electives

**3. University-Wide Credits — 27 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this program, that will typically be 27 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**MUSIC B.M. – BUSINESS CONCENTRATION****PROGRAM OVERVIEW****College of Performing and Visual Arts**

**Contact:** Melissa Malde, D.M.A., Interim Director, School of Music

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Bachelor of Music degree is the initial professional degree in music. Its primary emphasis is on development of the skills, concepts and sensitivity essential to the professional life of a musician. It also prepares students for advanced study in graduate school.

**Program Admission Requirements:**

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).
- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, students may only be designated as music majors upon successful completion of the School of Music application and audition process.
- **Minimum Proficiencies.** Minimum proficiency in music fundamentals and ear training as assessed by the Music Theory Placement Exam to enter MUS 113/114.

**Program Requirements:**

- In all MUS courses, a student must receive C- or better to fulfill degree requirements.
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than a C- a third time in the same class, the student will be removed from the major.
- Students are required to take MUS 100 7-8 times, based on the residency requirements of the final semester internship. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- Based on their interests, audition results, and faculty advisement, students will take either classical or jazz lessons each semester in residence. This will affect the requirement regarding participation in Major Musical Organizations. See notes below, and see "Major Musical Organizations".
- Students will elect to either produce a capstone project or present a half Senior Recital.
- Students who elect the capstone project will take eight semesters of either Performance Study or Applied Music at the 200 and 400-level instruction.
- Students who elect the recital option will take eight semesters of either Performance Study or Applied Music, with a minimum of three semesters at the 400-level. These students must pass an upper-level qualifying examination, determined by the performance area, before they may enroll in 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass this examination on the first try, they may retake it once in the subsequent semester. **If the student does not pass a second time, they will be removed from the degree, or present the capstone alternatively.**
- Students who elect the recital option will present a half Senior Recital.
- **ENSEMBLES:** Of the eight hours of ensembles, seven semesters of Major Musical Organization are required, except for students whose performance studies are in

jazz for whom four semesters of Major Musical Organization are required.

- A minimum of 30 non-MUS prefix credits must be taken for the degree; this should be taken into account when selecting University-Wide and LAC courses.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 89 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] –15 Credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context and MUS 243: History of Music I are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

*ECON 205 Principles of Microeconomics is recommended to fulfill the Social & Behavioral Sciences requirements and will fulfill both LAC and major requirements.*

*Select any non-MUS-prefix courses from Arts & Humanities, History and Social & Behavioral Sciences to fulfill the remaining 6 credits as needed of this requirement from the currently approved LAC course list, including at least one course with an IS designation and one course with an MS designation.*

See Arts & Humanities, History and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

## 2. Required Major Credits — 89 credits

Take all of the following **Required Major courses (56 credits)**:

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 209	Introduction to Music Technology	2
MUS 211	Careers in Music	1
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 260	Class Piano III	1
MUS 332	Beyond Talent: Career Development for Musicians	2
MUS 343	Recording Techniques	2
MUS 392	Music Business Internship	1-3
MUS 460	Survey of the Music Business	2
	Performance Study and/or Applied Music	8
	Major Musical Organization	4-7
	Ensemble	1-4

**ENSEMBLES:** Of the eight hours of ensembles, seven semesters of Major Musical Organization are required, except for students whose performance studies are in jazz for whom four semesters of Major Musical Organization are required.

The Class Piano sequence is not required for piano students. Piano students instead take an additional 3 hours of MUS-prefix electives.

MUS 392: take once for 3 credits.

MUS 143: Satisfies LAC Arts & Humanities

MUS 243: Satisfies LAC Arts & Humanities

**Choose one of the following courses (2-3 credits):**

MUS 150	History of Rock and Roll	3
MUS 247	Music as Cultural Identity	3
MUS 344	History of Jazz	2

Take all of the following **Supporting Concentration Courses (18 credits)**:

BAAC 301	Survey of Accounting	3
BAFN 302	Essentials of Business Finance	3
BAMG 350	Management and Organizational Behavior	3
BAMG 355	Fundamentals of Entrepreneurship	3

BAMK 360 Marketing 3

ECON 205 Principles of Microeconomics 3

ECON 205: Satisfies LAC Social & Behavioral Sciences

**Remaining Major (12-13 credits):**

Take 12-13 credits as needed of any MUS-prefix courses.

**3. University-Wide Credits — 0 credits\***

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MUSIC B.M. – COMPOSITION CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Performing and Visual Arts

**Contact:** Paul Elwood, Ph.D. and Ludek Drizhal, M.M.,  
Co-Directors, Composition

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music/music-composition/

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Bachelor of Music degree is the initial professional degree in music. Its primary emphasis is on development of the skills, concepts and sensitivity essential to the professional life of a musician. It also prepares students for advanced study in graduate school.

#### Program Admission Requirements:

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).
- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, **students may only be designated as music majors upon successful completion of the School of Music application and audition process.**
- Composition applicants should upload a portfolio of their work to the application which includes PDFs of three representative scores and accompanying recordings (MIDI recordings are acceptable but live recordings are preferred). Composition students must also gain admittance to a instrumental or vocal study with a separate audition.

#### Program Requirements:

- In all MUS courses, a student must receive C- or better to fulfill degree requirements.
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than a C- a third time in the same class, the student will be removed from the major.
- Students are required to take MUS 100 8 times, based on degree. This is not tied to lessons.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- A half Junior Recital and full Senior Recital are required for all concentrations.
- 8 credits of 400-level of instruction (individual instruction) are required.
- A minimum of 30 non-MUS prefix credits must be taken for the degree.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 82 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context, and MUS 243: History of Music 1 are recommended to fulfill Arts &*

*Humanities requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 82 credits

Take all of the following (74 credits — Includes the MMO):

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 209	Introduction to Music Technology	2
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 231	Music Lessons	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 260	Class Piano III	1
MUS 261	Class Piano IV	1
MUS 277	Individual Instruction in Composition	2
MUS 301	18th Century Counterpoint	3
MUS 302	Form and Analysis	3
MUS 303	Instrumentation	2
MUS 313	Digital Composition	2
MUS 319	Instrumental Techniques and Conducting	1
MUS 323	Choral Techniques and Conducting	2
MUS 403	Acoustics of Music	2
MUS 477	Individual Instruction in Composition	2

MUS 277: Take 4 credits

MUS 477: Take 12 credits

MUS 231: Take 6 credits on your designated instrument.

MUS 143: Satisfies LAC Arts & Humanities

MUS 243: Satisfies LAC Arts & Humanities

## Ensembles — MMO (6 credits)

MUS 225/425 and MUS 224/424 count as MMOs for students whose secondary instrument is jazz.

### Choose one of the following music technology or music business courses:

MUS 343	Recording Techniques	2
MUS 460	Survey of the Music Business	2

## Music Electives — 6 credits

Take 6 credits from MUS-prefix coursework.

## 3. University-Wide Credits — 7 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 7 credits.

\*Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MUSIC B.M. – INSTRUMENTAL PERFORMANCE CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Performing and Visual Arts

**Contact:** Melissa Malde, D.M.A., Interim Director, School of Music

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Bachelor of Music degree is the initial professional degree in music. Its primary emphasis is on development of the skills, concepts and sensitivity essential to the professional life of a musician. It also prepares students for advanced study in graduate school.

#### Program Admission Requirements

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).
- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, **students may only be designated as music majors upon successful completion of the School of Music application and audition process.**
- **Minimum Proficiencies.** Minimum proficiency in music fundamentals and ear training as assessed by the Music Theory Placement Exam to enter MUS 113/114.

#### Program Requirements:

In all MUS courses, a student must receive C- or better to fulfill degree requirements.

- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than a C- a third time in the same class, the student will be removed from the major.
- Students are required to take MUS 100 8 times, based on degree. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- A half Junior Recital and full Senior Recital are required for all concentrations.
- The student must pass an upper-level qualifying examination, determined by the performance area, before they may enroll in the 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass this examination on the first try, they may retake it once in the subsequent semester. If the student does not pass a second time, they will be removed from the degree.
- 8 credits of 400-level of instruction (individual instruction) are required.
- A minimum of 30 non-MUS prefix credits must be taken for the degree.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*



See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] –15 Credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context and MUS 243: History of Music I are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

*Select any non-MUS-prefix courses from Arts & Humanities, History and Social & Behavioral Sciences to fulfill the remaining 9 credits as needed of this requirement from the currently approved LAC course list, including at least one course with an IS designation and one course with a MS designation.*

See Arts & Humanities, History and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 89 credits**

Take all of the following courses:

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 230	Small Ensembles and Chamber Music	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 260	Class Piano III	1
MUS 302	Form and Analysis	3
MUS 303	Instrumentation	2
MUS 307	History of Instruments and Instrumental Practice	3
MUS 319	Instrumental Techniques and Conducting	1
MUS 426	Orchestral Excerpts	1

MUS 430	Small Ensembles and Chamber Music	1
	Major Musical Organization	8

MUS 426: Take 2 credits. Guitar majors may substitute a music elective in consultation with their advisor.

MUS 230/MUS 430: String students take 7 times total, and may substitute MUS 228/MUS 448 and/or MUS 229/MUS 429 toward the MUS 230/MUS 430 requirement up to 4 times in consultation with their advisor.

All other students take 4 times total, and may substitute MUS 221/MUS 421, MUS 228/MUS 448, and/or MUS 229/MUS 429 toward the MUS 230/MUS 430 requirement up to 2 times in consultation with their advisor.

MUS 143: Satisfies LAC Arts & Humanities.

MUS 243: Satisfies LAC Arts & Humanities.

**Individual Instruction**

Choose one of the following based on your instrument:

**Strings, Harp, Guitar**

Take 8 credits of each of the below courses:

MUS 273	Individual Instruction in Strings, Harp, or Guitar	2
MUS 473	Individual Instruction in Strings, Harp, or Guitar	2

**Woodwinds**

Take 8 credits of each of the below courses:

MUS 274	Individual Instruction in Woodwinds	2
MUS 474	Individual Instruction in Woodwinds	2

**Brass/Percussion**

Take 8 credits of each of the below courses:

MUS 275	Individual Instruction in Brass or Percussion	2
MUS 475	Individual Instruction in Brass or Percussion	2

**Folk/Bluegrass**

Take 8 credits of each of the below courses:

MUS 272	Individual Instruction in Folk and Bluegrass	2
MUS 472	Individual Instruction in Folk and Bluegrass	2

**Choose one from each of the following categories for a total of 3-4 credits:**

Students may substitute a music elective(s) in place of the music technology and/or music business requirements in consultation with their advisor.

**Music Technology:**

MUS 209	Introduction to Music Technology	2
MUS 313	Digital Composition	2
MUS 343	Recording Techniques	2
MUS 403	Acoustics of Music	2

**Music Business:**

MUS 211	Careers in Music	1
MUS 332	Beyond Talent: Career Development for Musicians	2
MUS 460	Survey of the Music Business	2

**Remaining Major — 15-19 credits**

Take 15-19 credits as needed of any MUS-prefix courses.

**3. University-Wide Credits — 0 credits\***

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MUSIC B.M. – JAZZ STUDIES CONCENTRATION

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**PROGRAM OVERVIEW****College of Performing and Visual Arts**

**Contact:** Dana B. Landry, M.M., Director of Jazz Studies

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Bachelor of Music is a professional degree in music. It supports the development of skills, concepts, and sensitivity essential to a professional musician. It also prepares students for advanced study in music.

**Program Admission Requirements:**

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).
- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, **students may only be designated as music majors upon successful completion of the School of Music application and audition process.**

**Program Requirements:**

- In all MUS courses, a student must receive C- or better to fulfill degree requirements.
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than a C- a third time in the same class, the student will be removed from the major.

- Students are required to take MUS 100 8 times, based on degree. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- The junior recital must demonstrate performance skills in jazz. The senior recital must demonstrate performance and compositional skills in jazz and may not be performed until the successful completion of three semesters of MUS 436.
- A minimum of 30 non-MUS prefix credits must be taken for the degree.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 74 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context (3) is recommended to partially fulfill Arts & Humanities requirement and will fulfill both LAC and major requirements.*

*AFS 100: Introduction to Africana Studies (3) or AFS 101: Development of Black Identity (3) are recommended to*

*fulfill the U.S. Multicultural Studies and History requirements.*

*ANT 245: Introduction to Ethnomusicology (3) is recommended to fulfill the Social & Behavioral Sciences and International Studies requirements.*

*Select any course (3) from Arts & Humanities and another course (3) from any area listed below to fulfill the LAC Curriculum minimum of 15 credits.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### **See Liberal Arts Curriculum (p. 70)**

### **2. Required Major — 74 credits**

Take all of the following:

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 181	Jazz and Latin Theory I	3
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 223	Jazz Improvisation I	2
MUS 236	Individual Instruction in Jazz	2
MUS 262	Class Jazz Piano	1
MUS 327	Analysis of Jazz Styles	2
MUS 328	Jazz Improvisation II	2
MUS 344	History of Jazz	2
MUS 346	Arranging	2
MUS 347	Advanced Arranging	2
MUS 436	Individual Instruction in Jazz	2
MUS 441	Standard Latin and Jazz Repertoire	1
MUS 443	Topics in Jazz History	2
MUS 460	Survey of the Music Business	2

MUS 236: Take 8 credits

MUS 436: Take 8 credits

MUS 143: Satisfies LAC Arts & Humanities

**Jazz Ensembles — Choose appropriate option below:****Instrumentalists (12 credits)**

MUS 221	Small Jazz Ensembles	1
MUS 225	Jazz Ensemble	1
MUS 421	Small Jazz Ensembles	1
MUS 425	Jazz Ensemble	1

MUS 221, MUS 225, MUS 421, and MUS 425: Take 2 times each.

Ensembles other than MUS 221/MUS 421 and MUS 225/MUS 425: Take 4 times totaling 4 credits.

**Vocalists (12 credits)**

MUS 224	Vocal Jazz Ensembles	1
MUS 424	Vocal Jazz Ensembles	1

MUS 224 and MUS 424: Take 8 credits total.

Ensembles other than MUS 224/MUS 424: Take 4 times totaling 4 credits.

**Additional Required Credits (If applicable):****Vocalists (2 credits)**

MUS 410	Vocal Pedagogy	2
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**Pianists, guitarists, bassists, and drummers (1 credit)**

MUS 342	Jazz Rhythm Section Workshop	1
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**Remaining Major (2-4 credits)**

Take 2-4 credits of MUS-prefix courses.

**3. University-Wide Credits — 15 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 15 credits.

\*Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**MUSIC B.M. – PIANO CONCENTRATION****PROGRAM OVERVIEW****College of Performing and Visual Arts**

**Contact:** Lei Weng, D.M.A., Head, Keyboard Area

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Bachelor of Music is a professional degree in music. It supports the development of skills, concepts, and sensitivity essential to the professional musician. It also prepares students for advanced study in music.

**Program Admission Requirements:**

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).
- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, **students may only be designated as music majors upon successful completion of the School of Music application and audition process.**
- **Minimum Proficiencies.** Minimum proficiency in music fundamentals and ear training as assessed by the Music Theory Placement Exam to enter MUS 113/114.

**Program Requirements:**

- In all MUS courses, a student must receive C- or better to fulfill degree requirements.
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than

a C- a third time in the same class, the student will be removed from the major.

- Students are required to take MUS 100 8 times, based on degree. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- A half Junior Recital and full Senior Recital are required.
- The student must pass an upper-level qualifying examination, determined by the performance area, before they may enroll in the 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass this examination on the first try, they may retake it once in the subsequent semester. If the student does not pass a second time, they will be removed from the degree.
- 8 credits of 400-level of instruction (individual instruction) are required.
- A minimum of 30 non-MUS prefix credits must be taken for the degree.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 80 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context and MUS 243: History of Music 1 are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. Required Major — 80 credits**

Take all of the following (64 credits):

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 271	Individual Performance in Piano	2
MUS 302	Form and Analysis	3
MUS 323	Choral Techniques and Conducting	2
MUS 348	Accompanying and Coaching I	2
MUS 349	Accompanying and Coaching II	2
MUS 352	Piano Pedagogy I	2
MUS 353	Piano Pedagogy II	2
MUS 403	Acoustics of Music	2
MUS 415	Keyboard Literature I	2
MUS 416	Keyboard Literature II	2
MUS 471	Individual Instruction in Piano	2
	Major Musical Organization	4

MUS 271: Take 8 credits

MUS 471: Take 8 credits

MUS 143: Satisfies LAC Arts & Humanities

MUS 243: Satisfies LAC Arts & Humanities

The student must pass an upper-level qualifying examination, determined by the performance area, before

they may enroll in 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass the examination on the first try, they may retake it once in the subsequent semester.

### Ensembles (4 credits)

Choose from the following:

MUS 228	UNC Early Music Ensemble	1
MUS 229	UNC Contemporary Music Ensemble	1
MUS 230	Small Ensembles and Chamber Music	1
MUS 429	UNC Contemporary Music Ensemble	1
MUS 430	Small Ensembles and Chamber Music	1
MUS 448	UNC Early Music Ensemble	1

### Choose from the following music technology or music business courses (3-4 credits):

MUS 209	Introduction to Music Technology	2
MUS 211	Careers in Music	1
MUS 313	Digital Composition	2
MUS 332	Beyond Talent: Career Development for Musicians	2
MUS 343	Recording Techniques	2
MUS 460	Survey of the Music Business	2

### Remaining Major (8-9 credits)

Take 8-9 credits from MUS-prefix coursework.

### 3. University-Wide Credits – 9 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 9 credits.

\*Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## MUSIC B.M. – VOCAL PERFORMANCE CONCENTRATION

### PROGRAM OVERVIEW

#### College of Performing and Visual Arts

**Contact:** Melissa Malde, D.M.A., Head, Voice Area

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Bachelor of Music is a professional degree in music. It supports the development of skills, concepts, and sensitivity essential to a professional musician. It also prepares students for advanced study in music.

#### Program Admission Requirements:

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/)
- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, **students may only be designated as music majors upon successful completion of the School of Music application and audition process.**
- **Minimum Proficiencies.** Minimum proficiency in music fundamentals and ear training as assessed by the Music Theory Placement Exam to enter MUS 113/114.

#### Program Requirements:

- In all MUS courses, a student must receive C- or better to fulfill degree requirements.
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than

a C- a third time in the same class, the student will be removed from the major.

- Students are required to take MUS 100 8 times, based on degree. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- A half Junior Recital and full Senior Recital are required for all concentrations.
- Placement in MUS 285/MUS 485 or MUS 286/MUS 486 is by audition and advisement. Four semesters are required.
- 8 credits of 400-level instruction (Individual Instruction) are required.
- The student must pass an upper-level qualifying examination, determined by the performance area, before they may enroll in 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass this examination on the first try, they may retake it once in the subsequent semester. If the student does not pass a second time, they will be removed from the degree.
- A minimum of 30 non-MUS prefix credits must be taken for the degree.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 84-88 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143: Musical Styles and Context, and MUS 243: History of Music I are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

*Note that 200-level Foreign Language courses double count for an LAC requirement in Arts & Humanities and carry either an IS or an MS designation).*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

### See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 84-88 credits

Take all of the following courses:

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 170	Performance Study	1
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 260	Class Piano III	1
MUS 270	Individual Performance in Voice	2
MUS 302	Form and Analysis	3
MUS 323	Choral Techniques and Conducting	2
MUS 410	Vocal Pedagogy	2
MUS 444	English Diction	1
MUS 445	German Diction	1
MUS 446	French Diction	1
MUS 447	Italian Diction	1
MUS 470	Individual Instruction in Voice	2
	Major Musical Organization	8

MUS 170: Take 2 credits

MUS 270: Take 4 credits

MUS 470: Take 8 credits

MUS 143: Satisfies LAC Arts & Humanities

MUS 243: Satisfies LAC Arts & Humanities

**Choose six credits from the following courses:**

(Selected in consultation with advisor) (Placement is by audition):

MUS 285	Performance in Opera Theatre	1
MUS 286	Scene Studies in Opera	1
MUS 329	Stage Techniques for Singers	2
MUS 334	Acting for Singers	2
MUS 485	Performance in Opera Theatre	1
MUS 486	Scene Studies in Opera	1

**Take 11 credits of MUS prefix courses**

**Take 6-10 credits of foreign language**

Take two semesters of a spoken foreign language for a total of 6-10 credits (e.g., Chinese, French, German, Japanese or Spanish). Note that 200-level Foreign Language courses double count for an LAC requirement in Arts & Humanities and carry either an IS or an MS designation.

**3. University-Wide Credits — 1-5 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 1-5 credits.

\*Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**MUSIC EDUCATION BME – K-12  
INSTRUMENTAL TEACHING  
CONCENTRATION - LICENSURE: MUSIC  
(GRADES K-12)**

**PROGRAM OVERVIEW**

**College of Performing and Visual Arts**

**Contact:** Lindsay Fulcher, Ph.D., Head, Music Education Area

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

The Bachelor of Music Education degree emphasizes excellence in musicianship, teaching, and general studies. Attention will be given to attitudes relating to human considerations, social, economic, and culturally responsive components that give individual communities their identity.

The degree program assists students in becoming broadly based, knowledgeable, and skilled school music educators with licensure to teach Music K-12.

**Program Admission Requirements:**

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).



- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, students may only be designated as music majors upon successful completion of the School of Music application and audition process.

### **Music Education Program Requirement**

- All program requirements must be completed prior to student teaching.
- In all MUS courses, a student must receive C- or better to fulfill degree requirements
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than a C- a third time in the same class, the student will be removed from the major.
- Students are required to take MUS 100 7 times, based on degree. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- The required half Senior Recital must be performed during a semester prior to the student teaching semester. Students must meet all music performance and recital attendance requirements listed in the respective studio and/ or area handbooks.
- The student must pass an upper-level qualifying examination, determined by the performance area, before they may enroll in 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass this examination on the first try, they may retake it once in the subsequent semester. If the student does not pass a second time, they will be removed from the degree.
- Two semesters of 400-level instruction (Applied Music) are required.

### **Music Education PTEP Requirement**

- Student must demonstrate professional promise as a teacher to the satisfaction of the music education faculty via an interview with the faculty as part of MUS 210 (Introduction to Music Education), and must continue to demonstrate professional growth through satisfactory progress in subsequent coursework.

- Students admitted to professional teacher education programs are expected to maintain accepted standards of professional behavior in all aspects of their work in their program. The music education faculty will periodically review the suitability of candidates for continuation in the program. Students who do not attain or uphold such standards are subject to academic sanctions at the discretion of the music education faculty, including denial, suspension, probation, or dismissal from the program.
- Previously admitted students whose progress in the program is deemed suspect or unacceptable may be required to appear before the music education faculty (individually or collectively) to discuss conditions for their continuance as a professional teacher candidate.

### **PTEP Program Requirement:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more

than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**DEGREE REQUIREMENTS — 121 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 121 credits as outlined, the program recommends the below LAC courses that also count toward the BME required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143 (3) Musical Styles and Context and MUS 243 (3) History of Music I are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 59 credits**

Take all of the following courses:

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1

MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 209	Introduction to Music Technology	2
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 260	Class Piano III	1
MUS 314	Guitar in the Classroom	1
MUS 319	Instrumental Techniques and Conducting	1
MUS 320	Wind Literature, Pedagogy and Conducting	2
MUS 330	String Techniques	1
MUS 360	Voice Class	1
MUS 361	Single Reed and Flute Class	1
MUS 362	Double Reed Class	1
MUS 365	Percussion Techniques	1
MUS 368	Brass Techniques I	1
MUS 369	Brass Techniques II	1
MUS 404	Jazz Methods and Materials	2
	Major Musical Organization	7
	Performance Study and/or Applied Music	7

Jazz emphasis students should take 4 credits of 221/225/421/425 and 3 credits of Classical MMOs.

MUS 143: Satisfies LAC Arts & Humanities.

MUS 243: Satisfies LAC Arts & Humanities.

**Choose two credits from the following courses based on your instrument:**

**Brass, Woodwind, and Percussion (2 credits)**

MUS 292	Marching Band	1
MUS 492	Marching Band	1

**Strings (2 credits)**

MUS 230	Small Ensembles and Chamber Music	1
MUS 430	Small Ensembles and Chamber Music	1

**3. Required PTEP — 37 credits**

**Complete one of the following courses:**

PSY 347	Educational Psychology for Elementary Teachers	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Complete the following courses:**

EDF 290	Foundations of Education	3
EDFE 444	Supervised Student Teaching	1-15
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
EDSE 433	Exceptional Students in the Regular Classroom	2

EDFE 444: Students will take 11 credits

**Complete the following PTEP Methods Courses (15 credits):**

MUS 210	Introduction to Music Education	1
MUS 310	Teaching General Music in Elementary Schools	2
MUS 312	Teaching Instrumental Music in Elementary Schools	2
MUS 325	Choral Methods and Literature for Elementary and Secondary Schools	2
MUS 331	String Pedagogy and Literature for the Instrumental Music Teacher	2
MUS 356	Marching Band Techniques	1
MUS 413	Teaching Contemporary and Culturally Responsive Music in Schools	2
MUS 414	Transitional Capstone Course in Music Education	2
MUS 450	Seminar in Student Teaching for Music Educators	1

**4. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 121 credit hours. This degree does not require university wide electives and has received an exception from the CDHE to exceed the typical limit of 120 credit hours.

## MUSIC EDUCATION BME – K-12 VOCAL, PIANO AND GENERAL TEACHING CONCENTRATION - LICENSURE: MUSIC (GRADES K-12)

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### PROGRAM OVERVIEW

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**College of Performing and Visual Arts**

**Contact:** Lindsay Fulcher, Ph.D., Head, Music Education Area

**Location:** Frasier Hall 108

**Telephone:** 970.351.2993

**Fax:** 970.351.1923

**Website:** arts.unco.edu/music

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

The Bachelor of Music Education degree emphasizes excellence in musicianship, teaching, and general studies. Attention will be given to attitudes relating to human considerations, social, economic, and culturally responsive components that give individual communities their identity.

The degree program assists students in becoming broadly based, knowledgeable, and skilled school music educators with licensure to teach Music K-12.

**Program Admission Requirements:**

- Students planning to major in music are required to submit an application for admission to the School of Music. An audition is required for all applicants to music degree programs; for some graduate programs, an interview may be conducted in lieu of an audition. Current School of Music admission guidelines and audition requirements are available at: [arts.unco.edu/music/apply/](http://arts.unco.edu/music/apply/).

- Students meeting the general admission requirements of the University may be accepted as undeclared majors. However, **students may only be designated as music majors upon successful completion of the School of Music application and audition process.**

### Music Education Program Requirements

- All program requirements must be completed prior to student teaching.
- In all MUS courses, a student must receive C- or better to fulfill degree requirements.
- Any student receiving lower than a C- in a MUS prefix class for the second time in the same class will be placed on probation. If the student receives lower than a C- a third time in the same class, the student will be removed from the major.
- Students are required to take MUS 100 7 times, based on degree. This is not tied to lessons.
- After students have fulfilled the requirements for applied lessons in their degree, additional applied lessons will be at the discretion of the studio teacher and Director.
- All students in applied lessons must enroll in a major ensemble. Students that do not have a major ensemble required for the duration of the degree program should follow their degree requirements.
- Any student receiving a grade below a C- in applied lessons will be placed on probation. A second semester of a grade below a C- in applied lessons will result, upon consent from the area, in removal from the major.
- The required half Senior Recital must be performed during a semester prior to the student teaching semester. Students must meet all music performance and recital attendance requirements listed in the respective studio and/ or area handbooks.
- The student must pass an upper-level qualifying examination, determined by the performance area, before they may enroll in 400-level instruction. This examination is to be taken by the end of the fourth semester of 200-level instruction. If the student does not pass this examination on the first try, they may retake it once in the subsequent semester. If the student does not pass a second time, they will be removed from the degree.
- Two semesters of 400-level instruction (Applied Music) are required.

### Music Education PTEP Requirements:

- Student must demonstrate professional promise as a teacher to the satisfaction of the music education faculty via an interview with the faculty as part of MUS 210 (Introduction to Music Education), and must continue to demonstrate professional growth through satisfactory progress in subsequent coursework.

- Students admitted to professional teacher education programs are expected to maintain accepted standards of professional behavior in all aspects of their work in their program. The music education faculty will periodically review the suitability of candidates for continuation in the program. Students who do not attain or uphold such standards are subject to academic sanctions at the discretion of the music education faculty, including denial, suspension, probation, or dismissal from the program.
- Previously-admitted students whose progress in the program is deemed suspect or unacceptable may be required to appear before the music education faculty (individually or collectively) to discuss conditions for their continuance as a professional teacher candidate.

### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more

than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

**Please work with your content advisor to determine when these requirements will be completed throughout your program.**

## **DEGREE REQUIREMENTS — 121 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 121 credits as outlined, the program recommends the below LAC courses that also count toward the BME required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MUS 143 (3) Musical Styles and Context and MUS 243 (3) History of Music I are recommended to fulfill Arts & Humanities requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. Required Major — 60 credits**

Take all of the following:

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1

MUS 143	Musical Styles and Context	3
MUS 160	Class Piano I	1
MUS 161	Class Piano II	1
MUS 209	Introduction to Music Technology	2
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3
MUS 260	Class Piano III	1
MUS 261	Class Piano IV	1
MUS 314	Guitar in the Classroom	1
MUS 323	Choral Techniques and Conducting	2
MUS 330	String Techniques	1
MUS 361	Single Reed and Flute Class	1
MUS 365	Percussion Techniques	1
MUS 368	Brass Techniques I	1
MUS 404	Jazz Methods and Materials	2
MUS 410	Vocal Pedagogy	2
	Major Musical Organization	7

MUS 143: Satisfies LAC Arts & Humanities

MUS 243: Satisfies LAC Arts & Humanities

#### **Choose appropriately based on your area instrument for 7 credits:**

MUS 170	Performance Study	1
MUS 257	Applied Music	1
MUS 258	Applied Music: Jazz	1
MUS 457	Applied Music	1
MUS 458	Applied Music: Jazz	1

Jazz emphasis students should take 4 credits of 221/224/421/424 and 3 credits of Classical MMOs.

#### **Take all of the following courses:**

(Voice students)

MUS 237	English and Italian Diction	1
MUS 238	German and French Diction	1

#### **Choose 2 credits from the following courses:**

(Piano students)

MUS 237	English and Italian Diction	1
MUS 238	German and French Diction	1
MUS 231	Music Lessons	1
MUS 431	Music Lessons	1

MUS 231/431 MUST be taken through the voice area.

#### **Remaining Major**

Take 2 credits of MUS-prefix courses.

**3. Required PTEP — 36 credits**

**Complete one of the following courses:**

PSY 347	Educational Psychology for Elementary Teachers	3
PSY 349	Educational Psychology for Secondary Teachers	3

**Complete the following courses:**

EDF 290	Foundations of Education	3
EDFE 444	Supervised Student Teaching	1-15
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
EDSE 433	Exceptional Students in the Regular Classroom	2

EDFE 444: Students will take 11 credits.

**Complete the following PTEP Methods Courses (14 credits):**

MUS 210	Introduction to Music Education	1
MUS 310	Teaching General Music in Elementary Schools	2
MUS 312	Teaching Instrumental Music in Elementary Schools	2
MUS 324	Choral Conducting and Pedagogy for Elementary and Secondary Schools	2
MUS 325	Choral Methods and Literature for Elementary and Secondary Schools	2
MUS 413	Teaching Contemporary and Culturally Responsive Music in Schools	2
MUS 414	Transitional Capstone Course in Music Education	2
MUS 450	Seminar in Student Teaching for Music Educators	1

**4. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 121 credit hours. This degree does not require university wide electives and has received an exception from the CDHE to exceed the typical limit of 120 credit hours.

**MUSICAL THEATRE B.F.A.**

**PROGRAM OVERVIEW**

**College of Performing and Visual Arts**

**Contact:** Michelle Gaza, M.F.A., Interim Director

**Location:** Frasier Hall 105

**Telephone:** 970.351.2991

**Fax:** 970.351.4897

**Website:** arts.unco.edu/theatre/

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of these parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University Wide Credits

**Program Description:**

A Bachelor of Fine Arts in Musical Theatre prepares students for professional performance careers in the musical theatre industry. This program is intended to produce the highest achievement possible of the musical theatre performer through the study of music, voice, acting, dance, and movement skills. The degree prepares students to perform professionally in a variety of musical theatre styles.

**Program Admission Requirements:**

- Admission to the Bachelor of Fine Arts in Musical Theatre is by audition.
- All students planning to major in Musical Theatre are required to submit an additional application to the School.
- Information concerning auditions may be requested from School of Theatre Arts and Dance, University of Northern Colorado, Frasier Hall, Greeley, Colorado 80639, phone 970.351.2991

**Program Requirements:**

**Students must adhere to the following guidelines to remain in the BFA Musical Theatre major:**

- All BFA Musical Theatre majors, other than first semester freshmen\*, are required to audition for all mainstage plays and musicals during the academic year unless they receive an exemption in advance of auditions from the Area Head. In the event of a vacancy in the Area Head position, an exemption from

auditions must be granted by the School Director. Requests to be exempted from auditions will be considered on a case-by-case basis.

- \*First semester BFA Musical Theatre majors are barred from auditioning their first semester for Fall mainstage productions; and, therefore, do not need to receive an exemption.
- BFA Musical Theatre majors must accept any role they are offered in a mainstage production during the academic year. If a student does not wish to be considered for a particular production, permission must be granted ahead of time by the Area Head.

Non-compliance of any of the above requirements may result in disciplinary actions including, but not limited to, removal from future production assignments, loss of talent scholarship funding, or expulsion from the program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*MT 296 (3) is recommended to fulfill Arts & Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*FND 250 (3) is recommended to fulfill the Natural & Physical Sciences requirement.*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

### **2. Required Major — 89 credits**

#### **Take all of the following courses for 67 credits:**

MT 101	Musical Theatre Sight Singing and Ear Training	2
MT 160	Class Piano for Musical Theatre	2
MT 161	Introduction to Musical Theatre Performance	1
MT 250	Voice Class for Musical Theatre I	2
MT 275	Musical Theatre Song Analysis I	3
MT 276	Musical Theatre Song Analysis II	3
MT 296	Musical Theatre History	3
MT 350	Voice Class for Musical Theatre II	2
MT 370	Musical Theatre Dance	3
MT 375	Musical Theatre Song Analysis III	3
MT 390	Advanced Musical Theatre Scene Study	2
DNCE 166	Ballet I	2
DNCE 167	Ballroom Dance I	2
DNCE 170	Jazz Dance I	2
DNCE 175	Tap Dance I	2
DNCE 180	Ballet II	3
DNCE 181	Jazz Dance II	3
THEA 135	Playscript Analysis	3
THEA 158	Acting I	3
THEA 170	Acting II	3
THEA 193	Stage Speech and Dialects	3
THEA 240	Beginning Stage Directing	3
THEA 270	Acting III	3
THEA 360	Acting Styles I	3
THEA 361	Acting Styles II	3
THEA 464	Audition Techniques	3

THEA 240: Must be taken for 3 credits

#### **Take the following repeatable courses for 10 credits:**

##### **Take the following for 2 credits:**

MT 169	Applied Voice: Individual Voice Study	1
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##### **Take the following for 4 credits:**

MT 369	Individual Performance in Musical Theatre Voice	2
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##### **Take the following for 4 credits:**

THEA 100	Individual Performance in Theatre	2
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**Choose 12 credits from the following courses:**

(Select with advisor approval)

MT 285	Performance in Musical Theatre	1-3
MT 360	Scene Study in Musical Theatre	3
MT 369	Individual Performance in Musical Theatre Voice	2
MT 465	Musical Theatre Workshop	3
MT 470	Senior Project in Musical Theatre	3
MT 485	Performance in Musical Theatre	1-3
DNCE 171	Modern Dance I	2
DNCE 172	Foundations of Hip Hop	2
DNCE 182	Modern Dance II	3
DNCE 183	Tap Dance II	2
DNCE 280	Ballet III	3
DNCE 281	Jazz Dance III	3
DNCE 296	Choreography and Improvisation I	3
MUS 285	Performance in Opera Theatre	1
MUS 286	Scene Studies in Opera	1
MUS 485	Performance in Opera Theatre	1
MUS 486	Scene Studies in Opera	1
THEA 110	Performance in a Theatrical Production	2
THEA 149	Orientation to Technology	3
THEA 362	Acting for the Camera	3
THEA 465	Acting Showcase	3
	Major Vocal Ensemble	2

MT 360: Must be taken for 3 credits

MT 465 and MT 470: Audition required

Major Vocal Ensemble: Mixed Concert Choir, Women's Glee Club, Men's Glee Club are major ensembles.

**3. University Wide Credits – 0 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree that will typically be 0-3 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**NURSING B.S.N.****PROGRAM OVERVIEW****College of Natural and Health Sciences****Contact:** Melissa LM Henry, Ph.D., Director**Location:** Gunter 3080**Telephone:** 970.351.2293**Website:** www.unco.edu/nhs/nursing**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University Wide Credits

**Program Description:**

Nursing is an independent professional discipline requiring critical inquiry and discriminating judgment to assist individuals, families and communities to attain and maintain health. Qualified students are prepared as professional nurses and receive a foundation for graduate study in nursing.

The undergraduate program in nursing at UNC is a nine semester program leading to a Bachelor of Science in Nursing degree. The Bachelor of Science in Nursing major plan of study consists of a 4 semester 'pre-clinical' and 5 semester 'clinical' course sequence. Progression to the clinical portion of the nursing major requires formal admission after a professional application and selection process.

**Pre-clinical Phase:** The pre-clinical portion of the nursing major plan of study consists of 4 semesters of prerequisite and general education courses which provide the liberal arts and science foundation for the clinical nursing major.

Students interested in nursing are designated as pre-clinical nursing students (*Exploring: Nursing*) if they meet the general admission requirements of the University. Formal application is made to and obtained from UNC's Office of Admissions.

Students enrolled in the pre-clinical portion of the nursing major will receive academic advisement from a pre-nursing professional advisor in coordination with a nursing faculty advisor.

All students in the pre-clinical nursing (*Exploring: Nursing*) designation will be required to declare a degree-



granting major, other than nursing, after completion of 30 credit hours if they are not accepted into the clinical portion of the nursing major. Credits used to calculate earned hours include all applied transfer credit, college credit earned in high school, and UNC credit hours. A *No-Major Hold* will be applied to student's account upon completion of 30 credits, which will be removed upon completion of the required major declaration. Students will not be able to register for future courses until the No-Major Hold is removed.

**Clinical Phase:** The clinical portion of the nursing major consists of 5 semesters of nursing clinical and supporting theoretical courses. The clinical courses start during the 5<sup>th</sup> semester of the overall major, after completion of 4 semesters of prerequisite and general education courses and formal admission to the clinical portion of the major.

The designation of pre-clinical nursing (*Exploring: Nursing*) does not assure admission to the clinical portion of the nursing major. A separate application and acceptance process is required for the student to enter clinical nursing courses. Forms for applying to the clinical program and information about application procedures are obtained at the School of Nursing.

The number of students admitted to the clinical portion of the nursing major is determined by available resources. Available resources may also limit possibilities for readmission for those students who withdraw for any reason.

All students entering the clinical portion of the nursing major must be certified in cardiopulmonary resuscitation (CPR) for the adult and child/infant (health professional) as evidenced by current CPR card. This certification must be maintained while in the program. CPR courses are available outside the School of Nursing.

**Progression:** Students in the clinical portion of the nursing major must earn a minimum grade of "C" or better (C- is not acceptable) or satisfactory in all required nursing courses for progression to the next semester in the clinical portion of the nursing major. The nursing program faculty reserves the right to require the withdrawal from the nursing program of any student who, in their professional judgment, fails to satisfy the requirements of professionalism, and/or performance. A student receiving a grade less than "C" in a nursing course will be readmitted to that course on a space-available basis only.

**Policies:** School of Nursing policies are published in the Undergraduate Student Handbook.

**Missed or Repeated Courses:** Students who must repeat a clinical nursing course or who fail to enroll or complete a course on their scheduled rotation will be readmitted for clinical courses on a space-available basis only. Courses may not be offered every semester.

**Successive Enrollment:** A student who does not enroll for required nursing courses for two successive semesters during the clinical portion of the nursing major and has not made prior arrangements with the SON Assistant Director of Undergraduate Programs will no longer be considered a clinical nursing major.

**Graduation and Licensure:** The Bachelor of Science in Nursing degree will be granted by the Board of Trustees upon recommendation of the faculty of the School of Nursing to those students who have successfully completed the prescribed curriculum.

RN licensure is obtained by passing the national licensure exam which students arrange to take some weeks after graduation.

**Health Policies:** Within the academic year preceding the first clinical course, the student must have met the University's requirements regarding immunizations. Upon admission to the clinical portion of the major, students are responsible to obtain necessary health clearances and/or immunizations as required. Yearly PPD, influenza vaccination and completion of OSHA/HIPAA compliance testing are required.

**Criminal Background Check and Drug Screen:** To comply with clinical agency requirements, all students are required to submit evidence that a criminal background check and drug screen have been completed upon admission to the clinical portion of the major.

**School Nurse Provisional Licensure:** Graduates seeking School Nurse Licensure should contact the Teacher Education and Certification Unit of The Colorado Department of Education at 201 E. Colfax Avenue, Denver, Colorado 80203 for an application packet.

**Clinical Practice:** Student practica are offered in agencies according to available resources. All placements require transportation and may necessitate commuting from the Greeley area. Students are responsible for their own transportation to all clinical practicum.

#### **Program Admission Requirements:**

##### **Pre-clinical nursing (*Exploring: Nursing*) Admission:**

Students interested in nursing are designated as pre-clinical nursing students (*Exploring: Nursing*) if they meet the general admission requirements of the University.

##### **Admission to the Clinical Nursing Major**

There are 2 opportunities to gain admission in the clinical portion of the nursing major. If a student is accepted during the early admission process and meet progression criteria, they do not need to apply for admission a second time.

### Early 'Bears' Admission

Early admission to the nursing program is for students enrolled at UNC who have completed a minimum of 20 credits at UNC and meet specific admission criteria. These students would be required to complete the remaining prerequisite and general education requirements, in addition to performance on a standardized exam, before progression to the clinical portion of the nursing major.

#### Eligibility

- Minimum of 20 earned UNC credits (excluding college credit earned in high school or advanced placement (AP) credit)
- Minimum of 15 credits of general education or prerequisite courses still in progress.
- Minimum cumulative GPA of 3.5 on 4.0 scale
- Completion of a minimum of 4, and a maximum of 6, prerequisite courses or course equivalents with a grade of 'C' or higher ('C-' is not acceptable). All prerequisite courses or equivalents must be completed within 10 years of application, except PSY 230, STAT 150, and ENG 123.
- Demonstration of English Proficiency

Eligible applicants will be selected to the clinical portion of the nursing major based on an admission GPA (calculated using the most recent 30 non-remedial/non-technical college level credits and grades in prerequisite courses) and other admission criteria (e.g. statement of intent, letters of recommendation, program entrance examination). Admission criteria is subject to change. Specific admission criteria can be found on the School of Nursing website.

Students admitted to the clinical nursing major through early 'Bears' admission will be required to maintain a minimum of a "C" ("C-" is unacceptable) in all remaining prerequisite courses, a minimum cumulative GPA of 3.0 on a 4.0 scale, and meet required benchmarks on the program entrance exam before progression and full admission to the clinical portion of the nursing major. If the progression requirements are not met during the expected timeframe to enter the clinical courses, the student's admission to the clinical major will be rescinded.

### Open Admission

Open admission to the clinical portion of the nursing major will occur before the start of the clinical nursing major coursework. The number of seats available for 'open' admission will be limited.

#### Eligibility

- Minimum cumulative GPA of 3.3 on 4.0 scale
- Completion of a minimum of 6 prerequisite courses or course equivalents with a grade of 'C' or higher ('C-' is not acceptable). All prerequisite courses or equivalents

must be completed within 10 years of application, except PSY 230, STAT 150, and ENG 123. Up to 4 prerequisite courses may be in-progress at the time of application.

- Demonstration of English Proficiency

Eligible applicants will be selected to the clinical portion of the nursing major based on an admission GPA (calculated using the most recent 45 non-remedial/non-technical college level credits and grades in prerequisite courses) and other admission criteria (e. g. statement of intent, letters of recommendation, program entrance examination). Students who have taken credits/coursework at UNC will be given priority for admission. Specific admission criteria is subject to change. Specific admission criteria can be found on the School of Nursing website.

Students admitted to the clinical nursing major through open admission will be required to maintain a minimum of a "C" ("C-" is unacceptable) in all in-progress prerequisite courses before progression and full admission to the clinical nursing major.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 Credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 105 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*ENG 123 (3) is recommended to fulfill Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts and Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PSY 230 (3) is recommended to fulfill Social and Behavioral Sciences requirement as it will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural and Physical Sciences — 7 credits**

*BIO 110 (4), CHEM 281 (3), CHEM 281L (1), and FND 250 (3) are recommended to fulfill Natural and Physical Sciences requirement and will fulfill both LAC and major requirements.*

*Note: Additional Chemistry courses may be recommended depending on previous chemistry experience or test scores.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 105 credits**

Take all of the following courses:

BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 246	Advanced Human Anatomy and Physiology	3
BIO 251	Allied Health Microbiology	4
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
ENG 123	College Research Paper	3
FND 250	Principles of Nutrition	3
PSY 230	Lifespan Development	3
STAT 150	Introduction to Statistical Analysis	3
NURS 326	Pathophysiology	3
NURS 310	Foundations of Nursing I	3
NURS 313	Health Assessment Theory and Laboratory	3
NURS 323	Clinical Practice: Fundamental Nursing Concepts and Care	5
NURS 327	Pharmacology in Nursing Practice	3
NURS 340	Foundations of Nursing II	2
NURS 374	Clinical Practice: Alterations in Adult Health	6
NURS 375	Alterations in Adult Health Theory I	4
NURS 376	Alterations in Adult Health Theory II	3
NURS 380	Research and Evidence Based Practice	3
NURS 404	Clinical Practice of Public Health Nursing: Population-Based Practice	3
NURS 405	Theory and Principles of Public Health Nursing: Population-Based Practice	3
NURS 414	Clinical Practice: Psychiatric/Mental Health Nursing	3
NURS 415	Theory of Psychiatric/Mental Health Nursing	3
NURS 420	Clinical Practice: Childbearing Families	3

NURS 421	Clinical Practice: Pediatric Nursing	3
NURS 425	Childbearing Families Theory	3
NURS 426	Pediatric Nursing Theory	3
NURS 440	Current Issues in Health Care	2
NURS 444	Clinical Practice: Advanced Acute Care	3
NURS 445	Advanced Nursing Concepts and Care	2
NURS 446	Clinical Practice Capstone	5
NURS 480	Professionalism in Practice: Leadership and Management	3

*BIO 110, BIO 245, BIO 246, BIO 251, CHEM 281, CHEM 281L, ENG 123, FND 250, NURS 326, PSY 230, STAT 150 are prerequisite courses required prior to admission to the Clinical Phase of the Nursing Program.*

**3. University Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. This degree does not require university wide electives.

## NURSING B.S.N. – RN-BSN (REGISTERED NURSE SEEKING BACHELOR OF SCIENCE IN NURSING)

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Melissa Henry, Ph.D., Director

**Location:** Gunter 3080

**Telephone:** 970.351.2293

**Website:** [www.unco.edu/nhs/nursing](http://www.unco.edu/nhs/nursing)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Colorado Nursing Articulation Agreement Credits
4. University-Wide Credits

#### Program Description:

The RN-BSN program in nursing is a five semester program leading to a Bachelor of Science in Nursing degree. Nursing is an independent professional discipline requiring critical inquiry and discriminating judgment to assist individuals, families and communities to attain and maintain health. Qualified students are further prepared as professional nurses and receive a foundation for graduate study in nursing.

**RN-BSN Admission:** Forms for applying to the RN-BSN program and information about application procedures are obtained on the School of Nursing website year round.

The following factors will be considered by the nursing faculty in the selection of students:

- GPA is calculated on the most recent 45 non-remedial credits from UNC or other institutions and must be 2.5 GPA or above. Contact the School of Nursing for specifics on the GPA calculation.
- Only applicants who have earned a grade of C or better (C- is not acceptable) in each of the prerequisite courses or course equivalents will be considered for admission. If an applicant is admitted to the RN-BSN program, then earns less than a grade of C in any of the prerequisite courses or course equivalents, their admission to the Nursing program will be rescinded.

The number of students admitted to the RN-BSN nursing program is determined by available resources. Available resources may also limit possibilities for readmission to the program for those students who withdraw for any reason.

All students entering the RN-BSN program must be certified in cardiopulmonary resuscitation (CPR) for the adult and child/infant (health professional) as evidenced by current CPR card. This certification must be maintained while in the program. CPR courses are available outside the School of Nursing.

**Nursing Articulation:** The Colorado Council for Nursing Education (CCNE) affirms that students from an accredited program should be considered eligible for enrollment into the next higher level of education (e.g., LPN to ADN, ADN to BSN). All articulating students must meet program admission requirements and non-nursing course requirements specific to the receiving institution.

**Dual Enrollment:** Students may take the RN-BSN courses (using an alternate course sequencing) while concurrently enrolled in an affiliated Colorado Community College. The nursing articulation for dually enrolled students will be applied at the completion of the Associate of Applied Science (AAS) degree.

**RN-BSN Progression:** The length of the program for the registered nurse depends upon the amount of transfer credit and successful completion of prerequisite course challenge examinations, if needed. The Colorado Nursing Articulation Model permits RNs to receive credit for prior nursing course work. Individuals seeking admission must be admitted to the University of Northern Colorado following the procedures outlined in this Catalog. Students should contact the School of Nursing at the same time for information about RN criteria for admission to the nursing major and the specifics of the RN-BSN program.

**Policies:** School of Nursing policies are published in the required Student Handbook.

**Missed or Repeated Courses:** Students who must repeat a nursing course or who fail to enroll or complete a course on their scheduled rotation will be readmitted for RN-BSN courses on a space-available basis only. Courses may not be offered every semester.

**Successive Enrollment:** A student who does not enroll for either required support courses or nursing courses for two successive semesters and has not made prior arrangements with the Assistant Director will not be considered an active RN-BSN student.

**Graduation and Licensure:** The Bachelor of Science in Nursing degree will be granted by the Board of Trustees upon recommendation of the faculty of the School of Nursing to those students who have successfully completed the prescribed curriculum with an average of "C" or above.

RN licensure or Dual Enrollment status (see Dual Enrollment above) is required for admission into the program.

**Health Policies:** Prior to the first clinical course, students are responsible to obtain necessary health clearances and/or immunizations as required. Yearly PPD, influenza and completion of OSHA testing are required.

**Criminal Background Check/Drug Screen:** To comply with clinical agency requirements, all students are required to submit evidence that a criminal background check and drug screen has been completed.

**School Nurse Provisional Licensure:** Graduates seeking School Nurse Licensure should contact the Teacher Education and Certification Unit of The Colorado Department of Education at 201 E. Colfax Avenue, Denver, Colorado 80203 for an application packet.

**Clinical Practice:** Student clinical experiences are offered in agencies according to available resources. All placements require transportation. Students are responsible for their own transportation to all clinical practicum.

#### **Program Admission Requirements:**

Academic Good Standing

#### **Program Requirements:**

A minimum grade of “C” or better (C- is not acceptable) or satisfactory in all nursing courses required for progression to the next semester must be earned.

### **DEGREE REQUIREMENTS — 120 CREDITS**

#### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 53 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*ENG 123 (3) is recommended to fulfill the Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

*PSY 230 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*FND 250 (3) is recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

#### **2. Required Major — 53 credits (RN students seeking a B.S.N.)**

Take all of the following courses:

NURS 303	Transition to Baccalaureate Nursing	3
NURS 305	Professional Nursing Concepts	3
NURS 329	Health Assessment - RN/BSN	3
NURS 380	Research and Evidence Based Practice	3
NURS 382	Patient Centered Care Concepts Across the Lifespan	3
NURS 383	Current Issues in Health Care RN/BSN	3
NURS 405	Theory and Principles of Public Health Nursing: Population-Based Practice	3
NURS 406	Population-Based Practice - RN/BSN	3
NURS 470	Clinical Practice: Professionalism in Practice	3
NURS 480	Professionalism in Practice: Leadership and Management	3
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 246	Advanced Human Anatomy and Physiology	3
BIO 251	Allied Health Microbiology	4
ENG 123	College Research Paper	3
FND 250	Principles of Nutrition	3
PSY 230	Lifespan Development	3
STAT 150	Introduction to Statistical Analysis	3

*BIO 245 (4), BIO 246 (3), BIO 251 (4), ENG 123 (3), FND 250 (3), PSY 230 (3), STAT 150 (3) are prerequisite courses required to be completed prior to admission to the RN-BSN Nursing Program.*

### 3. Colorado Nursing Articulation Agreement — 40 credits

The student is awarded 40 credits of upper division nursing coursework upon completion of the Associate Degree program, passing the NCLEX, and 13 credits of the UNC RN-BSN nursing curriculum.

### 4. University-Wide Credits — 0 credits\*

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an *increased* number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

#### Program Note

Students in the RN-BSN program are exempt from completing 20 of the last 30 semester credit hours of their degree program with UNC courses; 30 semester credit hours of the degree must still be taken in UNC courses.

## NUTRITION B.S.

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Department of Nutrition and Dietetics

**Location:** Gunter 2280

**Telephone:** 970.351.2755

**Website:** [www.unco.edu/nhs/nutrition-dietetics](http://www.unco.edu/nhs/nutrition-dietetics)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Nutrition degree is intended for students who want to focus on the sciences and the scientific basis for nutrition. Both areas of health promotion and foods-related careers may be studied. Students also have the flexibility to choose electives to prepare for graduate programs in health fields such as medicine, physician assistant school, exercise science, public health, or health-related research while receiving a strong background in nutrition. Professionals trained in nutrition science have many career options due to population growth and aging, the focus on prevention of chronic diseases, and a growing emphasis on health, nutrition, and wellness. A Bachelor's degree in Nutrition will prepare you for a career working in the Supplemental Nutrition Program for Women, Infants and Children (WIC), Food Stamp Nutrition Education (FSNE), and Cooperative Extension among others. If a focus in foods and management is selected with the Nutrition degree many opportunities in school districts, corporate food industries, entrepreneurial ventures, and government programs are available. This is a major for those who are not pursuing dietetic registration.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- Students may not earn B.S. degree in both Nutrition and Dietetics from UNC.
- Students who earn B.S. degrees in Nutrition or Dietetics cannot minor in Nutrition.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 61 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

*PSY 120 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*BIO 110 (4), CHEM 111 (4), CHEM 111L (1), CHEM 281 (3), CHEM 281L (1), FND 250 (3) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 61 credits****Take all of the following courses:**

BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 246	Advanced Human Anatomy and Physiology	3
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
FND 210	Medical Terminology	2
FND 250	Principles of Nutrition	3

FND 252	Nutrition in the Life Cycle	3
FND 370	Nutrition Education and Application Strategies	3
FND 420	Maternal and Child Nutrition	3
FND 451	Advanced Nutrition	3
FND 452	Community Nutrition	3
FND 455	Nutrition for Fitness and Athletic Performance	3
PSY 120	Principles of Psychology	3
SCI 291	Scientific Writing	3
STAT 150	Introduction to Statistical Analysis	3

**Choose at least nine credits from the following:**

Must take at least two upper level courses (300/400).

BIO 251	Allied Health Microbiology	4
	or	
BIO 351	Microbiology	4
COMM 223	Intercultural Communication	3
COMM 410	Living With/Through Your Screens	3
FND 310	Introduction to Foods	2
FND 310L	Introduction to Foods Laboratory	2
FND 320	Nutrition Applications in Foodservice	2
FND 320L	Nutrition Applications in Foodservice Laboratory	1
FND 360	Nutrition and Aging	3
FND 430	Nutrition Assessment and Intervention	2
FND 430L	Nutrition Assessment and Intervention Laboratory	1
FND 446	Foodservice Systems Management	3
FND 446L	Foodservice Systems Management Laboratory	1
HUSR 208	Perspectives on Aging and Later Life	3
HUSR 209	Foundations of Health Promotion/Health Education	3
HUSR 342	Modern Concepts of Health and Disease	3
PSY 443	Motivation	3
SOC 375	Sociology of Health and Illness	3

**3. University-Wide Credits — 28 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 28 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**Program Note**

In accordance with University policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**PHILOSOPHY B.A.****PROGRAM OVERVIEW****College of Humanities and Social Sciences**

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/philosophy

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The major in philosophy is designed to provide both a solid undergraduate education in philosophy and a foundation for the further study of philosophy at the graduate level. It is an excellent major not only for students interested in philosophy itself but also for pre-professional students—especially, perhaps, for those who intend to study the law. Students may want to consider a double major because of the ways the study of philosophy can enhance one's ability to investigate fundamental issues in other fields.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- No more than 6 credits of PHIL 492 may be counted toward the major.
- At least 9 credit hours must be taken at the upper division (300 or 400).

Note that PHIL 225, PHIL 300, PHIL 365, PHIL 371, and PHIL 495 are variable title courses which may be repeated multiple times under different content and each offering may be counted toward the major.

**Program Recommendations:**

- Majors are encouraged to take at least two years of a foreign language.
- Students planning to pursue graduate study in philosophy are encouraged to take at least one semester of Formal Logic (PHIL 321 or PHIL 322), to take PHIL 385 and PHIL 390 to fulfill the Metaphysics &



Epistemology category, and to complete the Ethics, Social and Political Philosophy minor as well as the major. Since graduate program admission requirements vary considerably, students should discuss graduate school plans with an advisor as early as possible.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 Credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 30 required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies, and International Studies — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PHIL 126 (3) is recommended to fulfill the Arts and Humanities and the International Studies requirements and will fulfill both LAC and major requirements.*

*PHIL 150 (3) is recommended to fulfill the Arts and Humanities requirement and will fulfill both LAC and major requirements.*

*PHIL 221 (3) is recommended to fulfill the Arts and Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. Required Major — 30 credits**

#### **Logic and Methods:**

Select at least one of the following:

PHIL 221	Basic Logic	3
PHIL 321	Formal Logic I	3
PHIL 322	Formal Logic II	3

#### **History and Traditions:**

Select at least two of the following:

PHIL 231	Ancient Greek Philosophy	3
PHIL 232	Medieval Western Philosophy	3
PHIL 233	Modern Western Philosophy	3
PHIL 246	Early Chinese Philosophy	3

#### **Value Theory:**

Select at least two of the following:

PHIL 250	Medical Ethics	3
PHIL 311	Environmental Ethics	3
PHIL 350	Ethical Theory	3
PHIL 355	Social and Political Philosophy	3
PHIL 365	Topics in Value Theory and Public Policy	3
PHIL 366	Philosophy of Law	3

#### **Metaphysics and Epistemology:**

Select at least two of the following:

PHIL 270	Philosophy of Religion	3
PHIL 280	Philosophy of Science	3
PHIL 371	Topics in Metaphysics and Epistemology	3
PHIL 372	Philosophy of Race	3
PHIL 373	Personal Identity	3
PHIL 375	Science Fiction and Philosophy	3
PHIL 385	Epistemology	3
PHIL 390	Metaphysics	3

#### **Advanced Seminar:**

Take at least one offering:

PHIL 495	Advanced Seminar	3
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**Remaining Major — 6 credits**

Select at least two additional courses in order to bring the total number of PHIL credits to at least 30. These may include courses from any of the lists above that have not already been used to fulfill specific area requirements, or from any of the additional courses below.

PHIL 100	Introduction to Philosophy	3
PHIL 126	Introduction to Global Philosophies	3
PHIL 150	Moral Issues	3
PHIL 225	Philosophical Figures	3
PHIL 300	Topics in Philosophy	3
PHIL 360	Feminist Theories	3
PHIL 422	Directed Study	1-3
PHIL 492	Internship	1-6

**3. University-Wide Credits — 59 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 59 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## PHILOSOPHY B.A. – ETHICS AND PUBLIC POLICY CONCENTRATION

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**PROGRAM OVERVIEW****College of Humanities and Social Sciences**

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** [www.unco.edu/hss/philosophy](http://www.unco.edu/hss/philosophy)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

In a society that offers most of its students only technical training, those who wish to distinguish themselves in their chosen fields must pay special attention to questions of ethics and public policy. Many programs claim to teach students how to get where they are going. Applied philosophy teaches them to evaluate their goals—both those they set for themselves and those they set for their society. Applied philosophy is thus relevant to students' vocations in the traditional sense of the word: instead of being just the first in a series of training and retraining designed to keep them abreast of recent developments in the changing job market, it provides students with a firm foundation for further learning, whatever their callings might be.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- Electives (Remaining Major Credits) may be chosen from courses with a PHIL prefix as well as courses in other disciplines. All electives must contribute to the student's understanding of ethics or public policy and must be chosen in consultation with the major advisor.
- In general, a required course may not be counted as an elective; however, if either PHIL 365 or PHIL 495 or both are taken more than once, one section may be counted towards the fulfillment of the basic requirement, and the others may be counted as electives.

**Program Recommendations:**

In addition, the Philosophy program recommends that majors take at least two years of a foreign language—preferably French or German.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 Credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 30 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PHIL 150 (3) is recommended to fulfill the Arts and Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 30 credits**

Take all of the following courses:

PHIL 150	Moral Issues	3
PHIL 231	Ancient Greek Philosophy	3
PHIL 233	Modern Western Philosophy	3
PHIL 350	Ethical Theory	3
PHIL 355	Social and Political Philosophy	3
PHIL 495	Advanced Seminar	3

PHIL 495: Specific offerings to be chosen in consultation with the major advisor.

Take one of the following courses:

PHIL 311	Environmental Ethics	3
PHIL 365	Topics in Value Theory and Public Policy	3
PHIL 366	Philosophy of Law	3

**Remaining Major**

Take 9 credits chosen in consultation with your faculty advisor. These may include additional subtitles of PHIL 365 or courses from other disciplines which engage with ethical & public policy issues.

**3. University-Wide Credits — 59 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 59 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## PHYSICS B.S.

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Cynthia S. Galovich, Ph.D., Department Chair

**Location:** Ross Hall 0232

**Telephone:** 970.351.2961

**Website:** www.unco.edu/nhs/physics-astronomy

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This major focuses on the main laws and principles of physics through a basic core of physics and support courses. Students can select from a variety of elective courses at the junior/senior level to tailor the program toward their future goals.

Graduates have a solid foundation in physics for pursuing their individual career goals, including employment in industry and research laboratories and graduate studies in physics, engineering, health or the environment.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- A research project, completed in PHYS 470, is required. HON 451 may be substituted for PHYS 470.
- A 2.0 GPA or better is required in PHYS prefix courses for graduation.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 80 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course requirement.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*CHEM 111 (4), CHEM 111L (1), and PHYS 240 (5) are recommended to fulfill the Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 80-84 credits

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CS 120	Introduction to Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 301	Seminar in Physics	1
PHYS 320	Mathematical Methods I	3
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1
PHYS 340	Mechanics	4
PHYS 341	Electricity and Magnetism I	3
PHYS 342	Electricity and Magnetism II	3
PHYS 345	Quantum Mechanics I	3

PHYS 355	Computer Applications in Physics	3
PHYS 360	Laboratory Physics	2
PHYS 370	Research I	1-3
PHYS 420	Mathematical Methods II	3
PHYS 440	Thermodynamics and Statistical Mechanics	4
PHYS 445	Quantum Mechanics II	3
PHYS 448	Nuclear and Particle Physics	3
PHYS 470	Research II	1-3

**Math elective — 3 credits**

Elective credits in Mathematics (consent of advisor).

**Physics electives — 6 credits**

Additional AST or PHYS prefix courses that are numbered 300 or higher.

**3. University-Wide Credits — 5-9 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 5-9 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## PHYSICS B.S. – ASTRONOMY CONCENTRATION

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**PROGRAM OVERVIEW****College of Natural and Health Sciences**

**Contact:** Cynthia S. Galovich, Ph.D., Department Chair

**Location:** Ross Hall 0232

**Telephone:** 970.351.2961

**Website:** [www.unco.edu/nhs/physics-astronomy](http://www.unco.edu/nhs/physics-astronomy)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

This concentration gives graduates excellent preparation for graduate school in Astronomy, Astrophysics, and Physics, and for employment in industry and research laboratories.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- A research project, completed in PHYS 470, is required for all concentrations except secondary teaching. HON 451 may be substituted for PHYS 470.
- A 2.0 GPA or better is required in PHYS prefix courses for graduation.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 87 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course requirement.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and PHYS 240 (5) are recommended to fulfill the Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 87-91 credits**

Take all of the following courses:

AST 301	Classical Astronomy and the Solar System	3
AST 302	Stars and the Milky Way	3
AST 303	Galaxy Formation and Cosmology	3
AST 310	Techniques in Observational Astronomy	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CS 120	Introduction to Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 301	Seminar in Physics	1
PHYS 320	Mathematical Methods I	3
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1
PHYS 340	Mechanics	4

PHYS 341	Electricity and Magnetism I	3
PHYS 342	Electricity and Magnetism II	3
PHYS 345	Quantum Mechanics I	3
PHYS 347	Optics	4
PHYS 355	Computer Applications in Physics	3
PHYS 360	Laboratory Physics	2
PHYS 370	Research I	1-3
PHYS 420	Mathematical Methods II	3
PHYS 440	Thermodynamics and Statistical Mechanics	4
PHYS 445	Quantum Mechanics II	3
PHYS 448	Nuclear and Particle Physics	3
PHYS 470	Research II	1-3

**3. University-Wide Credits — 0-2 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 0-2 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## PHYSICS B.S. – ENGINEERING PHYSICS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

**Contact:** Cynthia S. Galovich, Ph.D., Department Chair

**Location:** Ross Hall 0232

**Telephone:** 970.351.2961

**Website:** [www.unco.edu/nhs/physics-astronomy](http://www.unco.edu/nhs/physics-astronomy)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Engineering concentration of the B. S. in Physics provides practical application of the theories and methods of physics. Students take more courses in the theory of physics than they would in the typical engineering curriculum and more courses in applications related to the engineering fields than they would in the traditional physics degree.

Graduates will be well prepared for engineering-type positions in industry and research laboratories or for graduate work in engineering or physics-related fields. Because of the strong emphasis on both theory and applications, graduates can quickly assimilate rapid changes in these fields.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- A research project, completed in PHYS 470, is required for all concentrations except secondary teaching. HON 451 may be substituted for PHYS 470.
- A 2.0 GPA or better is required in PHYS prefix courses for graduation.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 78 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course requirement.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*CHEM 111 (4), CHEM 111L (1), and PHYS 240 (5) are recommended to fulfill the Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 78-82 credits

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CS 120	Introduction to Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
MATH 335	Differential Equations I	3
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 301	Seminar in Physics	1

PHYS 320	Mathematical Methods I	3
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1
PHYS 340	Mechanics	4
PHYS 341	Electricity and Magnetism I	3
PHYS 342	Electricity and Magnetism II	3
PHYS 343	Electronics	3
PHYS 345	Quantum Mechanics I	3
PHYS 355	Computer Applications in Physics	3
PHYS 360	Laboratory Physics	2
PHYS 347	Optics	4
PHYS 370	Research I	1-3
PHYS 420	Mathematical Methods II	3
PHYS 440	Thermodynamics and Statistical Mechanics	4
PHYS 445	Quantum Mechanics II	3
PHYS 470	Research II	1-3

**3. University-Wide Credits — 7-11 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 7-11 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**PHYSICS B.S. – MATHEMATICAL PHYSICS  
CONCENTRATION**

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**PROGRAM OVERVIEW**

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**College of Natural and Health Sciences**

**Contact:** Cynthia S. Galovich, Ph.D., Department Chair

**Location:** Ross Hall 0232

**Telephone:** 970.351.2961

**Website:** [www.unco.edu/nhs/physics-astronomy](http://www.unco.edu/nhs/physics-astronomy)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

This program, offered through the cooperation of the School of Mathematical Sciences, focuses on the laws, principles and mathematical foundations of physics.

This concentration is an excellent preparation for graduate school in mathematics, applied mathematics, physics, mathematical physics or other similar programs. It is also excellent preparation for many types of positions in industry or in research laboratories.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- A research project, completed in PHYS 470, is required for all concentrations except secondary teaching. HON 451 may be substituted for PHYS 470.
- A 2.0 GPA or better is required in PHYS prefix courses for graduation.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.



**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 86 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course requirement.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 111 (4), CHEM 111L (1), and PHYS 240 (5) are recommended to fulfill the Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

**2. Required Major — 86-90 credits**

Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CS 120	Introduction to Programming	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 233	Calculus III	4
MATH 335	Differential Equations I	3
MATH 460	Introduction to Complex Analysis	3
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 301	Seminar in Physics	1
PHYS 320	Mathematical Methods I	3
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1
PHYS 340	Mechanics	4
PHYS 341	Electricity and Magnetism I	3
PHYS 342	Electricity and Magnetism II	3
PHYS 345	Quantum Mechanics I	3
PHYS 355	Computer Applications in Physics	3
PHYS 360	Laboratory Physics	2
PHYS 370	Research I	1-3
PHYS 420	Mathematical Methods II	3
PHYS 440	Thermodynamics and Statistical Mechanics	4
PHYS 445	Quantum Mechanics II	3
PHYS 470	Research II	1-3

**Math electives — 6 credits**

Additional MATH prefix courses (consent of advisor).

**Physics electives — 3 credits**

Additional PHYS prefix courses that are numbered 300 or higher.

**3. University-Wide Credits — 0-3 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 0-3 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## PHYSICS B.S. – LICENSURE: SCIENCE (GRADES 7-12)

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Cynthia S. Galovich, Ph.D., Department Chair

**Location:** Ross Hall 0232

**Telephone:** 970.351.2961

**Website:** [www.unco.edu/nhs/physics-astronomy](http://www.unco.edu/nhs/physics-astronomy)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

The program emphasizes the laws, principles and applications of physics and other sciences, along with the communication skills and teaching methods to effectively teach these concepts at the junior high and high school levels (grades 7-12). Graduates of this degree would help to combat a shortage of physical science teachers and help meet the nationwide goals of excellence in science preparation.

With additional physics and mathematics courses, students could qualify for graduate study in physics or for employment in industry or governmental research laboratories.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- A 2.0 GPA or better is required in PHYS prefix courses for graduation.
- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

### DEGREE REQUIREMENTS — 122 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 122 credits as outlined, the program recommends the below LAC courses that also count toward the required 63 major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

### Written Communication — 6 credits

*SCI 291 (3) is recommended to fulfill the Intermediate Writing Course requirement.*

See Written Communication courses. (p. 71)

### Mathematics — 3 credits

*MATH 131 (4) and MATH 132 (4) are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

BIO 110 (4), BIO 111 (4), CHEM 111 (4), CHEM 111L (1), CHEM 281 (3), CHEM 281L (1), GEOL 100 (4), and PHYS 240 (5) are recommended to fulfill the Physical & Natural Sciences requirement and will fulfill both LAC and major requirements.

See Natural & Physical Sciences courses (p. 75)

### See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 63 credits

Take all of the following courses:

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
GEOL 100	General Geology	4
MATH 131	Calculus I	4
MATH 132	Calculus II	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 320	Mathematical Methods I	3
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1

PHYS 340	Mechanics	4
PHYS 341	Electricity and Magnetism I	3
PHYS 345	Quantum Mechanics I	3
PHYS 347	Optics	4

### Choose one of the following courses:

AST 301	Classical Astronomy and the Solar System	3
AST 302	Stars and the Milky Way	3

## 3. Required PTEP — 38 credits

### Phase I (5 credits taken concurrently).

EDF 290	Foundations of Education	3
STEP 161	Observation and Analysis of Secondary Teaching I	2

### Phase II (8 credits taken concurrently)

EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 349	Educational Psychology for Secondary Teachers	3
STEP 262	Observation and Analysis of Secondary Teaching II	2

### Phase III (11 credits taken concurrently)

ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
SCED 441	Methods of Teaching Secondary School Science	3
STEP 363	Clinical Experience: Secondary	2

ECLD 340 may be taken outside of Phase III.

### Phase IV (14 credits)

STEP 464	Secondary Student Teaching	1-14
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## 4. University-Wide Credits — 0 credits\*

\*Note: Students must apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 122 credit hours. This degree does not require university wide electives and has received an exception from the CDHE to exceed the typical limit of 120 credit hours.

## POLITICAL SCIENCE B.A.

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Location:** McKee 318

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/political-science-international-affairs

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

This program emphasizes the development of the analytical, research, and writing skills that are necessary to think critically and reflect upon political values and public policy. The program participates in the Center for Teaching History and Social Science, the Institute for Civic Education, the Honors program, Gender Studies, Environmental Studies, and International Relations program.

#### Program Admission Requirements:

Academic Good Standing

#### Program Recommendations:

See recommended LAC courses below.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*The following courses are recommended, but not required.*

HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3
HIST 120	Western Civilizations from the Bronze Age to 1689	3
HIST 121	Western Civilization from 1689 to the Present	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 36 credits

##### Take all of the following courses:

PSCI 100	United States National Government	3
PSCI 105	Fundamentals of Politics	3
PSCI 110	Global Issues	3

##### Choose one of the following courses:

PSCI 405	Senior Seminar in American Politics	3
PSCI 415	Senior Seminar in Comparative Politics	3
PSCI 425	Senior Seminar in International Relations	3
PSCI 435	Senior Seminar in Political Philosophy	3

##### Choose two courses from each of the following groups for a total of 24 credits:

###### Group A — American Politics

ENST 205	Environment, Politics and Law	3
PSCI 203	Colorado Politics	3
PSCI 207	Women and Politics	3
PSCI 208	Introduction to Public Administration	3
PSCI 301	Electoral Politics in the United States	3

PSCI 302	Power in America	3
PSCI 303	Public Policy in the United States	3
PSCI 306	Constitutional Law	3
PSCI 309	American Political Development	3
PSCI 335	American Political Thought	3
PSCI 392	Internship	1-13
PSCI 405	Senior Seminar in American Politics	3
PSCI 422	Directed Studies	1-3
<b>Group B — International Relations</b>		
PSCI 220	Introduction to International Relations	3
PSCI 240	Globalization	3
PSCI 320	American Foreign Policy	3
PSCI 321	War and Peace	3
PSCI 325	Conflict in the Middle East	3
PSCI 326	International Political Economy	3
PSCI 327	Politics of Migration	3
PSCI 328	International Law and Organizations	3
PSCI 422	Directed Studies	1-3
PSCI 425	Senior Seminar in International Relations	3
<b>Group C — Political Philosophy</b>		
PSCI 331	Political Philosophy I	3
PSCI 422	Directed Studies	1-3
PSCI 332	Political Philosophy II	3
PSCI 435	Senior Seminar in Political Philosophy	3
<b>Group D — Comparative Politics</b>		
PSCI 200	Introduction to Comparative Politics	3
PSCI 210	European Politics	3
PSCI 215	Post-Communist Russian Empire	3
PSCI 230	The Evolution of the Modern State	3
PSCI 270	Nationalism, Ethnicity and Race	3
PSCI 286	Value Issues in Political Economy	3
	or	
MIND 286	Value Issues in Political Economy	3
PSCI 296	Study Abroad Experience	3
PSCI 315	Comparative Public Policy	3
PSCI 316	Latin American Politics	3
PSCI 317	Dictatorship to Democracy	3
PSCI 318	The Politics of the Developing States	3
PSCI 319	Asian Politics	3
PSCI 323	Politics of Religion	3
PSCI 350	Politics and Film	3
PSCI 351	Screening for PSCI 350	0
PSCI 415	Senior Seminar in Comparative Politics	3
PSCI 422	Directed Studies	1-3

**3. University-Wide Credits — 53 credits**

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 53 credits.

**Program Notes**

Qualified students are invited to enroll in the Honors Program in Political Science. Consult the director, Honors Program in Political Science.

Students must have permission of the Internship Coordinator before registering for an internship.

Students must have completed 9 credits in political science before doing an internship. While students may take up to 13 credits in the Political Science Internship program, only 3 credits can be used toward the requirements for the major.

## PSYCHOLOGY B.A.

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

**Contact:** Carl Granrud, Ph.D., Director

**Location:** McKee Hall 0014

**Telephone:** 970.351.2957

**Website:** [www.unco.edu/cebs/psychological-sciences/](http://www.unco.edu/cebs/psychological-sciences/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The School of Psychological Sciences offers a quality, comprehensive, and coherent program. Students learn the research methods and core theories employed by psychologists. The psychology curriculum emphasizes diversity, equity, and inclusion to prepare students to apply their psychological education in diverse communities. Students are also exposed to the diversity of psychology through a range of elective courses. The variety of courses offered permits students to choose a set of psychology courses that are related to their interests and career goals. Students consider their future careers in a required freshman-level course as well as in a required upper-division field experience in which they work in a supervised psychology-related setting.

We are home to an active chapter of Psi Chi, the national honor society for psychology students as well as an active Psychology Club. Psi Chi and Psychology Club work closely with the program faculty and provide social and preprofessional opportunities to qualifying students. Also, we strongly encourage high achieving students with an affinity for research and an interest in graduate school to consider applying to the University Honors Program.

#### Program Admission Requirements:

Academic Good Standing

## DEGREE REQUIREMENTS — 120 CREDITS

### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Completing LAC coursework outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*PSY 120 (3) is recommended to fulfill the Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.*

*PSY 230 (3) or PSY 265 (3) is recommended to fulfill Social & Behavioral Sciences as the additional 3 credits required in Arts & Humanities or History or Social & Behavioral Sciences and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*School of Psychological Sciences faculty recommend that students fulfill their Liberal Arts Curriculum requirement for Natural & Physical Sciences by taking BIO 100 (3 credits) and BIO 105 (1 credit).*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### 2. Required Major Credits — 45 credits

Take all of the following courses:

UNIV 101	Foundations for Learning and Development	3
PSY 120	Principles of Psychology	3
PSY 166	Skills and Careers in Psychological Sciences	3
PSY 200	Psychological Statistics	3
PSY 201	Research Methods in Psychology	3

PSY 380	Behavioral Neuroscience	3
PSY 491	Psychology Field Experience	1-6

PSY 491: 3 credits required; 6 credits maximum

#### Core Group — 6 credits

Choose two of the following courses:

PSY 230	Lifespan Development	3
PSY 255	Introduction to Mental Health	3
PSY 265	Social Psychology	3

#### Experimental Group — 3 credits

Choose one of the following courses:

PSY 341	Learning and Memory	3
PSY 375	Sensation and Perception	3
PSY 440	Cognition	3
PSY 443	Motivation	3

#### Diversity, Equity, and Inclusion Group — 3 credits

Choose one of the following courses:

PSY 280	Psychology of Human Sexuality	3
PSY 340	Psychology & Culture	3
PSY 365	Psychology and the Law	3
PSY 467	Psychology of Prejudice	3
GNDR 240	Gender, Race, Class, and Sexuality or	3
SOC 240	Gender, Race, Class, and Sexuality	3

#### Electives — 12 credits

Select 12 additional credits from the PSY designation (including courses from any of the lists above that have not already been used to fulfill specific category requirements). Up to 6 credits may be selected from outside the PSY designation from the list below.

#### Other notes

- *Students must be juniors or seniors with a 3.0 GPA to register for PSY 401, PSY 407, PSY 481, and 500-level graduate courses.*
- *PSY 491: A maximum of 6 credits may count toward the major (3 credits are required; an additional 3 credits may be taken for elective credit).*

#### Approved Electives from outside the PSY designation.

No more than 6 credits of the following courses may be included as Psychology Major electives.

HUSR 397	Foundations of Substance Abuse Prevention and Treatment	3
SES 333	Psychology of Exercise and Physical Activity	3
SES 438	Sport Psychology	3
GNDR 240	Gender, Race, Class, and Sexuality or	3
SOC 240	Gender, Race, Class, and Sexuality	3

### 3. University-Wide Electives — 44 credits\*

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 44 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

#### **ACCELERATED (4 + 1) PSYCHOLOGY B.A. AND EDUCATIONAL PSYCHOLOGY M.A.**

Site: Greeley

Mode: In-person

Start term: Summer, Fall, Spring

Motivated and high-achieving students may seek to complete the requirements for the B.A. in Psychology and M.A. in Educational Psychology in five years. To obtain both degrees, students must complete all the requirements for the B.A. described in the Undergraduate Catalog and all of the requirements for the M.A. described in the Graduate Catalog. Completing the requirements for both degrees in the accelerated Master's program is made possible by taking 9 credits of graduate course work in the junior and senior years (paid for at the undergraduate tuition rate). Students remain eligible for financial aid as an undergraduate; any Graduate School aid is not available until students are admitted as a Graduate student.

Students interested in transferring into an accelerated Master's Program must:

- Have a cumulative GPA of at least 3.0 to take graduate-level courses as a junior or senior.
- Meet with the program's advisor in their junior year, apply (following the same procedure and meeting the same requirements as other M.A. applicants). Full admission is dependent on completing the B.A. requirements in the senior year while maintaining a minimum 3.0 GPA.
- Students and faculty identify the graduate courses the students should take. The program application will be signed and forwarded to the Graduate School with signatures of the program advisor indicating the approval of graduate course transfer.

## RECREATION, TOURISM AND HOSPITALITY B.S.

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

**Location:** Kepner 1070A

**Telephone:** 970.351.2674

**Website:** [mcb.unco.edu/programs/recreation-tourism-hospitality/](http://mcb.unco.edu/programs/recreation-tourism-hospitality/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The program is committed to providing students with the highest possible quality education in Recreation, Tourism and Hospitality. All faculty members have had both academic and practical experience in their subject areas and place a special emphasis on excellence in instruction and academic advising.

The program is committed to involvement in the issues that affect the management of the recreation, tourism, and hospitality industries. Experiential learning in the program is structured by numerous volunteer opportunities, the practicum experience, and the internship experience.

The Recreation, Tourism and Hospitality program is designed to provide the student with leadership and middle management skills through instruction in core concepts, theories, and best practices in a variety of employment settings.

#### Program Admission Requirements:

- Enrolled students requesting a change of major to Recreation, Tourism and Hospitality must have an overall GPA of 2.3.

#### Program Requirements:

- Students complete a 9-credit Internship experience. Current Advanced First Aid and CPR are prerequisites.
- Recreation, Tourism and Hospitality courses must be completed with a grade of C- or better.
- Students are approved for their internship by faculty.

- Students must have completed all required courses in the major and have a minimum GPA of 2.5 in major courses before beginning their internship.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

##### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

##### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

##### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

##### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 42 credits

Take all of the following courses:

BACS 101	Business Computing	3
BAMG 355	Fundamentals of Entrepreneurship	3
ECON 205	Principles of Microeconomics	3
RTH 203	Introduction to Recreation, Tourism and Hospitality	3
RTH 206	Commercial Recreation, Tourism and Hospitality	3
RTH 231	Leadership in RTH	3
RTH 368	Program Planning in Recreation, Tourism and Hospitality	3
RTH 390	Recreation, Tourism and Hospitality Administration and Law	3
RTH 453	Management of RTH Services	3



RTH 490	Evaluation and Research in Recreation, Tourism and Hospitality	3
RTH 492	Internship in Recreation, Tourism and Hospitality	3-12
STAT 150	Introduction to Statistical Analysis	3

RTH 492: Take 9 credits

#### 4. University-Wide Credits — 47 credits

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 47 credits.

## SOCIOLOGY B.A.

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

**Location:** Candelaria 2285

**Email:** sociology@unco.edu

**Website:** www.unco.edu/hss/sociology

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. You may also check in "Degree Works." If no advisor is listed, contact the department for information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Sociology offers broad scope and relevance for research, theory and the application of knowledge to address social problems in virtually any work environment. Sociology prepares students with marketable skills for work in both public and private job sectors including the areas of education, health, government, social advocacy and research. Gain skills to seek positive social change and innovative solutions through analysis of the structure of society, the dynamics of culture and interaction and the causes and consequences of human behavior.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

Juniors and seniors with a University GPA of 3.0 and higher may register for 500 level courses.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 46 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*SCI 291 Scientific Writing is recommended to fulfill the Intermediate Writing Course requirement.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*SOC 100 Principles of Sociology is recommended to fulfill part of the Arts & Humanities requirement and will fulfill both LAC and major requirements. Sociology majors are required to take SOC 100 Principles of Sociology as well as one other LAC course with the SOC prefix. These two courses can be taken in any sequence or concurrently.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 46 credits**

Take all of the following courses:

SOC 100	Principles of Sociology	3
SOC 231	Introduction to Sociological Practice	3
SOC 351	Classical Social Theory	3
SOC 352	Contemporary Social Theory	3
SOC 361	Methods of Sociological Research I	3
SOC 362	Methods of Sociological Research II	3
SOC 364	Methods of Sociological Research II Lab	1
SOC 400	Senior Seminar	3

**Additional SOC LAC course — 3 credits**

See Liberal Arts Curriculum (p. 70) to select one additional 3-credit course with a SOC prefix.

**Required Concentration — 12 credits**

Take a minimum of four courses (12 credits) from **one** area of concentration you choose from the lists below. Two of these courses (6 credits) must be at the 300 level or higher. Course substitutions of variable title or new or other courses can be made with advisor approval.

**Social Psychology, Family, & the Life Course**

SOC 120	Introduction to Family Studies	3
SOC 215	Human Behavior and Environment	3
SOC 221	Sociology of Gender	3
SOC 240	Gender, Race, Class, and Sexuality	3
SOC 275	Society & Mental Health	3
SOC 278	Sociology of Emotions	3
SOC 305	Sociology of Disability	3
SOC 315	Gender & Aging	3
SOC 324	Issues in the Family	3
SOC 326	Sociology of Childhood and Adolescence	3
SOC 332	Social Psychology	3
SOC 340	Juvenile Delinquency	3
SOC 372	Bodies and Power	3
SOC 375	Sociology of Health and Illness	3
SOC 377	Self in Modern Society	3
SOC 414	Masculinities	3
SOC 432	Social Psychology and Group Dynamics	3
SOC 450	Family Theories	3
SOC 471	Sociology of Aging	3

**Inequality & Institutions**

SOC 170	Social Problems	3
SOC 215	Human Behavior and Environment	3
SOC 221	Sociology of Gender	3
SOC 222	Sociology of Popular Culture	3
SOC 237	Sociology of Race, Racism, and Power	3
SOC 240	Gender, Race, Class, and Sexuality	3
SOC 304	Sociology of Sex Trafficking & Sex Work	3
SOC 305	Sociology of Disability	3
SOC 323	Gender in Popular Culture	3
SOC 324	Issues in the Family	3
SOC 325	Sociology of Work and Occupations	3
SOC 333	Social Class and Inequality	3
SOC 366	Sociology of Religion	3
SOC 375	Sociology of Health and Illness	3
SOC 378	Sociology of Education	3
SOC 388	Global Immigration	3
SOC 414	Masculinities	3
SOC 444	Sociology of Law	3
SOC 448	Issues in Social Policy	3
SOC 471	Sociology of Aging	3
SOC 474	Sociology of Sport	3
SOC 479	The Community	3

**Deviance & Social Control**

SOC 170	Social Problems	3
SOC 222	Sociology of Popular Culture	3
SOC 240	Gender, Race, Class, and Sexuality	3
SOC 247	Social Deviance	3
SOC 275	Society & Mental Health	3

SOC 304	Sociology of Sex Trafficking & Sex Work	3
SOC 305	Sociology of Disability	3
SOC 323	Gender in Popular Culture	3
SOC 325	Sociology of Work and Occupations	3
SOC 340	Juvenile Delinquency	3
SOC 346	Criminology	3
SOC 366	Sociology of Religion	3
SOC 372	Bodies and Power	3
SOC 378	Sociology of Education	3
SOC 388	Global Immigration	3
SOC 414	Masculinities	3
SOC 444	Sociology of Law	3
SOC 448	Issues in Social Policy	3

**Electives — 9 credits**

Select 9 additional credits from SOC prefix courses.

**3. University-Wide Credits — 43 credits\***

Complete additional credits to achieve the minimum 120 credits needed for this degree at UNC. Students are encouraged to complete another major or a minor in their course of study.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**SOFTWARE ENGINEERING B.S.****PROGRAM OVERVIEW****Monfort College of Business and College of Natural and Health Sciences**

**Contact:** Jacob Rose, Ph.D., Chair of Accounting and CIS

**Location:** Kepner 2090 G

**Telephone:** 970.351.1210

**Contact:** Jodie Dawn Novak, Ph.D., Director, School of Mathematical Sciences

**Location:** Ross Hall 2239H

**Telephone:** 970.351.2820

**Advising Information:**

All business majors must consult with their assigned advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the MCB Advising Office for advisor information, 970.351.1233.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Software Engineering program is a collaborative degree offered by the Department of Accounting & CIS, Monfort College of Business, and the School of Mathematical Sciences, College of Natural and Health Sciences. The Software Engineering program prepares students to apply a systematic, disciplined, quantifiable approach to the development of software employing technology independent standard processes. Course content provides understanding and experiences in determining software requirements, software design fundamentals, software project planning, software metrics, and testing and application development.

Graduates will be able to communicate technical requirements, design patterns and system specifications in writing and orally, design and develop software to solve complex problems, understand and apply basic principles of computer engineering, and understand and apply professional ethics.

**Program Admission Requirements:**

- Incoming New First Time and Transfer students are admitted to the College of Business major and minors provided they meet the admission requirements set forth by UNC.

- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.50 or above are guaranteed admission to any business major.
- Current UNC students who have completed at least 15 credit hours with a cumulative GPA of 2.00-2.49 qualify to apply for admission to a business major. Students may apply at the MCB Advising Center located in Kepner 1095.

**Program Requirements**

- At least 44 credit hours of the degree must be earned at UNC.
- Attain a 2.0 or greater GPA in the required major courses.
- Attain at least a "C-" in each required major course.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

The program recommends that you choose the following courses:

*ENG 122 College Composition, AND*

*ENG 123 College Research Paper Writing OR SCI 291 Scientific Writing for your Intermediate Communication requirement.*

*These courses will count towards both the major requirements and liberal arts curriculum.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*The program recommends that you take the following courses:*

*MATH 131 Calculus I AND STAT 150 Introduction to Statistical Analysis*

*These courses will count towards both the major requirements and liberal arts curriculum.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*The program recommends that you take the following courses:*

*PHYS 220 Introductory Physics I OR PHYS 240 General Physics I*

**AND**

*BIO 110 Biology: Atoms-Cells OR CHEM 111 Principles of Chemistry I and CHEM 111L Principles of Chemistry I Laboratory*

*These courses will count towards both the major requirements and liberal arts curriculum.*

See Natural & Physical Sciences courses (p. 75)

See **Liberal Arts Curriculum** (p. 70)

**2. Required Major — 85-86 credits**

No more than 20 of the following credit hours may be transferred from another institution.

Of the 20 hours, no more than 9 hours of 300/400 level course may be transferred in from another institution.

**(Required Courses — 76-77 credits)**

The following courses are required as part of the Software Engineering major, some of which will also count towards the Liberal Arts Curriculum.

BACS 180	Introduction to Software Engineering	1
BACS 200	Web Design and Development for Small Business	3
BACS 287	Fundamentals of Programming	3
BACS 350	Intermediate Web Development	3
BACS 380	Networking and Data Communications Systems	3
BACS 383	Designing User Experiences	3
BACS 385	Fundamentals of Project Management	3
BACS 387	Object Oriented Systems Development	3
BACS 485	Database Management Systems	3
BACS 487	Systems Analysis and Design	3
CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
CS 200	Object-Oriented Analysis, Design, and Programming	3
CS 301	Algorithms and Data Structures	3
CS 350	Software Engineering I	3
CS 440	Operating Systems	3
	or	

CS 442	Networking	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 228	Discrete Mathematics	3
MATH 350	Elementary Probability Theory	4
STAT 150	Introduction to Statistical Analysis	3
ENG 123	College Research Paper	3
	or	
SCI 291	Scientific Writing	3
PHYS 220	Introductory Physics I	5
	or	
PHYS 240	General Physics I	5
BIO 110	Biology: Atoms to Cells	4
	or	
CHEM 111	Principles of Chemistry I and	4
CHEM 111L	Principles of Chemistry I Laboratory	1

**(Required Senior Project — 3 credits)**

Choose one of the following courses:

BACS 488	Senior CIS Project	3
CS 497	Senior Project	1-8

If CS 497 is taken; must complete 3 hours.

**(Major Electives — 6 credits)**

Choose six credits or more from any 300 or 400 level BACS or CS course not otherwise required for the major except for BACS 300.

**3. University-Wide Credits — 3-4 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 3-4 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## SPANISH B.A. – LICENSURE: WORLD LANGUAGES (GRADES K-12)

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Contact:** Department of World Languages and Cultures

**Location:** Candelaria Hall

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/world-languages-cultures/

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

Students develop a functional proficiency in the four language skills (listening, speaking, reading and writing) with an appreciation and understanding of the civilization and culture of the Hispanic world. Students become competent secondary school teachers of Spanish.

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- All Spanish language courses to be counted for the major and minor must be beyond the first year level.

**PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working. Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**Program Recommendations:**

It is recommended that Spanish majors take HIST 118 and MAS 337.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 42 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*SPAN 201 Intermediate Spanish I (3 credits) and SPAN 202 Intermediate Spanish II (3 credits) are recommended to fulfill both the Arts & Humanities and International Studies requirements and will fulfill both LAC and major requirements.*

*MAS 100 Introduction to Mexican American Studies (3 credits) is recommended to fulfill both the Social & Behavioral Sciences and U.S. Multicultural Studies requirements and will fulfill both LAC and major requirements.*

*MAS 110 Contemporary Chicano Literature (3 credits) is recommended to fulfill both the Arts & Humanities and U.S. Multicultural Studies requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 42 credits**

**Intermediate Spanish — 6 credits**

Take both of the following courses:

SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

**Mexican American Studies — 3 credits**

Choose one of the following courses:

MAS 100	Introduction to Mexican American Studies	3
MAS 110	Contemporary Chicano Literature	3

**Advanced Spanish — 6 credits**

Complete one of the following options:

**Non-Heritage Speaker Option**

SPAN 301	Spanish Grammar and	3
SPAN 302	Spanish Composition	3

**Heritage Speaker Option**

SPAN 310	Spanish for Native Speakers and	3
SPAN 312	Written Spanish for Native Speakers	3

The Heritage Speaker courses must have program approval through a placement exam.

**Advanced Language & Culture Studies — 27 credits**

Take all of the following courses:

SPAN 304	Introduction to Hispanic Literature	3
SPAN 305	Introduction to Hispanic Linguistics	3
SPAN 455	Literature for Children and Adolescents	3
SPAN 470	Spanish for Oral Proficiency	3

**Choose five of the following courses:**

(at least two courses must be 400 level)

SPAN 303	Spanish Conversation	3
SPAN 321	Spanish Civilization and Culture	3
SPAN 331	Latin American Civilization and Culture	3
SPAN 341	Mexican and Mexican American Civilization and Culture	3
SPAN 405	Spanish Phonetics and Dialects	3
SPAN 450	Masterpieces of Spanish Literature	3
SPAN 451	Masterpieces of Latin American Literature	3
SPAN 457	Masterpieces in Chicano/a Literature	3
SPAN 459	Hispanic Drama	3

**3. Required PTEP — 38 credits****Phase I (5 credits taken concurrently)**

EDFE 170	Introduction to Field Based Experience	1-3
EDF 290	Foundations of Education	3

**Phase II (8 credits taken concurrently)**

EDFE 270	Field Based Experience	2
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
PSY 347	Educational Psychology for Elementary Teachers	3
	or	
PSY 349	Educational Psychology for Secondary Teachers	3

**Phase III (11-14 credits taken concurrently)**

ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
ECLD 360	Second Language Acquisition	3
EDFE 370	Advanced Field Based Experience	1-3
WLC 441	Methods of Teaching World Languages in K-12	3

ECLD 340 may be taken outside of Phase III.

**Phase IV (14 credits)**

EDFE 444	Supervised Student Teaching	1-15
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Students wishing to be licensed must have obtained a grade of 3.0 or better in WLC 441.

It is recommended that Spanish majors take HIST 118 and either HIST 314 or HIST 315.

All Spanish language courses to be counted for the major and the minor must be beyond the first year level.

Courses with the SPAN prefix are taught in Spanish and courses with the HISP prefix are taught in English.

**4. University-Wide Credits — 9 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 9 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## SPANISH B.A. – LIBERAL ARTS CONCENTRATION

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Contact:** Department of World Languages and Cultures

**Location:** Candelaria Hall

**Email:** HSS@unco.edu

**Website:** www.unco.edu/hss/world-languages-cultures

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

Students develop a functional proficiency in the four language skills (listening, speaking, reading and writing) and an appreciation and understanding of the civilization and culture of the Hispanic world.

Students become functionally proficient in the Spanish language with a broad understanding and knowledge of the civilization and culture of the Spanish-speaking world.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- All Spanish language courses to be counted for the major must be beyond the first year level.

#### Program Recommendations:

It is recommended that Spanish majors take HIST 118 and MAS 100 and either MAS 110 or MAS 337.

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 42 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*SPAN 201 Intermediate Spanish I (3 credits) and SPAN 202 Intermediate Spanish II (3 credits) are recommended to fulfill both the Arts & Humanities and International Studies requirements and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 42 credits

##### Intermediate Spanish — 6 credits

Take both of the following courses:

SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

##### Advanced Spanish — 6 credits

Complete one of the following options:

##### Non-Heritage Speaker Option

SPAN 301	Spanish Grammar and	3
SPAN 302	Spanish Composition	3

##### Heritage Speaker Option

SPAN 310	Spanish for Native Speakers and	3
SPAN 312	Written Spanish for Native Speakers	3

The Heritage Speaker courses must have program approval through a placement exam.



**Advanced Language & Culture Studies — 30 credits**

Take all of the following courses:

SPAN 304	Introduction to Hispanic Literature	3
SPAN 305	Introduction to Hispanic Linguistics	3
SPAN 470	Spanish for Oral Proficiency	3

**Choose two of the following courses:**

SPAN 321	Spanish Civilization and Culture	3
SPAN 331	Latin American Civilization and Culture	3
SPAN 341	Mexican and Mexican American Civilization and Culture	3

**Choose two of the following courses:**

SPAN 450	Masterpieces of Spanish Literature	3
SPAN 451	Masterpieces of Latin American Literature	3
SPAN 457	Masterpieces in Chicano/a Literature	3

**Choose three of the following elective courses in addition to requirements above:**

At least one course must be 400 level.

SPAN 303	Spanish Conversation	3
SPAN 321	Spanish Civilization and Culture	3
SPAN 331	Latin American Civilization and Culture	3
SPAN 341	Mexican and Mexican American Civilization and Culture	3
SPAN 405	Spanish Phonetics and Dialects	3
SPAN 410	Spanish for the Professions	3
SPAN 416	Spanish for Criminal Justice	3
SPAN 450	Masterpieces of Spanish Literature	3
SPAN 451	Masterpieces of Latin American Literature	3
SPAN 455	Literature for Children and Adolescents	3
SPAN 457	Masterpieces in Chicano/a Literature	3
SPAN 459	Hispanic Drama	3

**3. University-Wide Credits — 47 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 47 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**NOTE:** Courses with the SPAN prefix are taught in Spanish and courses with the HISP prefix are taught in English.

## SPECIAL EDUCATION B.A. – EARLY CHILDHOOD SPECIAL EDUCATION LIBERAL ARTS CONCENTRATION (BIRTH TO 8 YEARS)

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### PROGRAM OVERVIEW

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*Program temporarily not accepting new applications for admissions.*

### College of Education and Behavioral Sciences

**Contact:** Corey Pierce, Ph.D., Director

**Location:** McKee 29

**Telephone:** 970.351.2691

**Fax:** 970.351.1061

**Website:** [www.unco.edu/cebs/special-education/](http://www.unco.edu/cebs/special-education/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts Curriculum requirements and courses in early childhood and early childhood special education theory, practice, and pedagogy to ensure students have the breadth of knowledge needed in early childhood special education. Strong emphasis is placed on promoting families as partners, collaborative and cross-disciplinary service approaches, recommended intervention practices that are based on research evidence, and appropriate practices for work with children and their families across a range of abilities and cultural experiences. Students are required to take technology courses; and the use of technology is incorporated into the special education coursework. Field based experiences with children in three age-groups birth to 2 years, 3- 5 years, and 5-8 years are included in coursework. The program addresses national and state early childhood special education professional standards for the promotion of development and learning of young children from birth to age 8 in inclusive settings.

#### Program Admission Requirements:

Academic Good Standing

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

#### **Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

The following courses are recommended, but not required for the major:

- ENG 122 College Composition
- ENG 123 College Research Paper

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

These courses are recommended to fulfill Mathematics requirement and fulfill both LAC and major requirements.

- MATH 181 Fundamentals of Mathematics I: Number and Operations
- MATH 182 Fundamental Mathematics II: Algebra, Probability and Data Analysis

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

Select any courses to fulfill this requirement from the currently approved LAC course list. Please work with your advisor for recommended courses for this section of LAC.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### **Natural & Physical Sciences — 7 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### **2. Required Major — 71 credits**

#### **Required Major Courses — 39 credits**

Take all of the following courses:

EDSE 201	Culture of Special Education	3
EDSE 203	The Individualized Education Program and the Collaborative Process	3
EDSE 270	Field-Based Experience	3
EDSE 331	Typical and Atypical Development of Young Children	3
EDSE 332	Appropriate Assessment in Early Childhood Special Education	3

EDSE 333	Evidence-based Practices for Preschool Learners, 3-5 Years	3
EDSE 334	Evidence-based Practices for Young Learners, 5 to 8 Years	3
EDSE 431	Introduction to Early Childhood Special Education	3
EDSE 432	Evidence-based Practices for Infants and Toddlers, Birth to 3 Years	3
EDSE 434	Collaborative Practice with Families and Professionals	3
EDSE 435	Young Children with Significant Support Needs	3
EDSE 436	Field Experience in Early Childhood Special Education: Birth to 3 Years	3
EDSE 437	Field Experience in Early Childhood Special Education: 3-8 Years	3

#### **Additional Required Courses — 32 credits**

Take all of the following courses:

ECLD 350	Teaching Young Bilingual Children	3
EDEC 205	Nutrition, Health, and Safety	3
EDEC 220	Curriculum Development: Methods and Techniques	3
EDEC 240	Administration of Early Childhood Care and Education Program	3
EDEC 241	Administration: Human Relations for Early Childhood	3
EDEC 250	Diverse Early Language and Literacy	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
PSY 347	Educational Psychology for Elementary Teachers	3

### **3. University-Wide Credits — 18 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 18 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## SPECIAL EDUCATION B.A. – LICENSURE: SPECIAL EDUCATION GENERALIST (AGES 5-21)

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

**Location:** McKee 126, Dean's Office

**Telephone:** 970.351.2691

**Website:** [www.unco.edu/cebs/special-education/](http://www.unco.edu/cebs/special-education/)

**Contact:** Center for Urban Education

**Location:** 1059 Alton Way #758, Denver, CO 80230

**Telephone:** 303.637.4334

**Website:** [www.unco.edu/cebs/urban-education/](http://www.unco.edu/cebs/urban-education/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

The curriculum consists of recommended Liberal Arts Curriculum requirements, courses in professional teacher preparation, courses in special education theory, practice, and pedagogy and courses in Liberal Arts Curriculum content to ensure teachers have the breadth of knowledge needed to be a special education teacher. Strong emphasis is placed on literacy and mathematics in both Liberal Arts Curriculum requirements and content area coursework. Students are required to take technology courses; and the use of technology is incorporated into the special education coursework. The program is organized around nine themes including individual differences (disabilities, culture, and language), interpersonal/collaborative skills, direct instruction, legal responsibilities/processes, organizational/systemic processes, behavioral management, knowledge and access of resources, inquiry skills, and implementation of special educator roles. Topics emphasized within these themes include normal developmental learning, general assessment concepts, foundational characteristics of disabilities, service delivery models, and technology.

#### Program Admission Requirements:

Academic Good Standing

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

### DEGREE REQUIREMENTS — 120 CREDITS

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#### Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that will also count toward the required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

MATH 181 and MATH 182 are recommended to fulfill the Mathematics requirement and will fulfill both LAC and major requirements.

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

An Art & Humanities course with an IS designation and an Arts & Humanities course with an MS designation are recommended to fulfill the LAC requirement.

One of the following is recommended to fulfill your Social and Behavioral Sciences Course: GEOG 100 or GEOG 110 or PSCI 100 or ECON 203 or ECON 205 and will fulfill both LAC and major requirements.

HIST 100 or HIST 101 is recommended to fulfill History requirement and will fulfill both LAC and major requirements.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

SCI 265 and SCI 266 are recommended to fulfill the Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 76 credits**

CSD 266	Normal Speech and Language Development	3
CSD 365	Language Disorders in Children	3
EDEL 360	Teaching Foundational Reading Skills	3
EDSE 201	Culture of Special Education	3
EDSE 203	The Individualized Education Program and the Collaborative Process	3
EDSE 320	Assessment in Special Education	3

EDSE 321	Advanced Assessment in Special Education	3
EDSE 322	K-12 Methods in Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
EDSE 326	Behavioral Dimensions of Students with Exceptionalities II	3
EDSE 327	Methods for Teaching Mathematics: Students with Special Needs	3
EDSE 328	Field Experience in Special Education: Elementary	3
EDSE 329	Field Experience in Special Education: Secondary	3
EDSE 411	Assessments to Support the Struggling Reader	3
EDSE 442	Language and Literacy for Students with Severe Delays	3
EDSE 443	Support Systems in Special Education	3
EDSE 460	Culturally and Linguistically Diverse Students with Disabilities	3
EED 342	Methods and Materials for Teaching Language and Composition in the Elementary School	3
GEOG 100	World Geography	3
GEOG 110	Geography of the United States and Canada	3
PSCI 100	United States National Government	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4

**Required PTEP (Main Campus) — 24 credits**

In addition to your course work, you will also be responsible for Passing the relevant PRAXIS exams and completing the following applications: Initial PTEP Application, Full Admission to PTEP Application and Student Teaching Application. Students must have a 3.0 prior to student teaching.

EDSE 270	Field-Based Experience	3
PSY 347	Educational Psychology for Elementary Teachers	3
	or	
PSY 349	Educational Psychology for Secondary Teachers	3
EDF 290	Foundations of Education	3
ET 240	Integration of Technology into Content and Pedagogy	3
	or	
ET 449	Integrating Technologies into Secondary Education Pedagogy	3
EDSE 444	Student Teaching in Special Education	1-15
	Application for Initial Admission to PTEP	
	Application for Full Admission to PTEP	
	Pass PRAXIS Test	
	Application for Student Teaching	

In addition, EDSE 444 must be taken for 12 credits.

**Required PTEP (Center for Urban Education) — 22 credits**

The Center for Urban Education offers the full comprehensive four-year Special Education BA Program.

All other courses listed in the areas of LAC and Major Credits apply to Center for Urban Education students.

EDSE 170	Introduction to Field Based Experience	1-3
EDSE 370	Advanced Field-Based Experience	1-3
EDSE 371	Action Research Project	1
EDSE 444	Student Teaching in Special Education	1-15
EDF 290	Foundations of Education	3
ET 240	Integration of Technology into Content and Pedagogy	3
PSY 347	Educational Psychology for Elementary Teachers	3
	Application for Full Admission to PTEP	
	Application for Initial Admission to PTEP	
	Pass PRAXIS Test	
	Application for Student Teaching	

EDSE 170: Must be taken for 3 credits: Take for 3 semesters, 1 credit each semester.

EDSE 370: Must be taken for 3 credits: Take for 3 semesters, 1 credit each semester.

EDSE 444: Must be taken for 6 credits.

In addition to your course work, you will also be responsible for Passing the relevant PRAXIS exams and completing the following applications: Initial PTEP Application, Full Admission to PTEP Application and Student Teaching Application. Students must have a 3.0 prior to student teaching.

**3. University-Wide Credits — 0 credits\***

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an *increased* number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

**Program Notes:**

All courses must be successfully completed prior to enrolling in EDSE 444. Prior to Student Teaching, candidates must pass both an Elementary Content and the Special Education Generalist PRAXIS test.

First semester transfer students' GPA will be reviewed at the end of the first semester on campus. Student must have a 3.0 GPA to enroll in EDSE 444.

Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Special Education majors do not take ECLD 340, EDSE 433, and EDFE 444; required major courses will meet these requirements (EDSE 201, EDRD 410 and EDSE 444).

This major allows K-12 special education teachers to learn and apply the roles and responsibilities they must perform on a daily basis:

- Assess and identify students with disabilities;
- Plan an Individualized Education program in collaboration with other professionals and parents under the rules and regulations of the Individuals with Disabilities Education Act and the Colorado Exceptional Children Education Act;

- Provide direct individualized instruction and interventions in learning and behavior to meet the unique needs of students with disabilities; provide support to students with disabilities in the Liberal Arts Curriculum (LAC) through consultation and collaboration with Liberal Arts Curriculum teachers; and provide adaptations and support systems in collaboration and consultation with LAC teachers; thereby providing an advantage to the student attaining this degree over those preparing to teach with a Liberal Arts Degree.

## SPECIAL EDUCATION B.A. – LIBERAL ARTS CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

**Location:** McKee 126, Dean's office

**Telephone:** 970.351.2691

**Website:** [www.unco.edu/cebs/special-education/](http://www.unco.edu/cebs/special-education/)

**Contact:** Center for Urban Education

**Location:** 1059 Alton Way #758, Denver, CO 80230

**Telephone:** 303.637.4334

**Website:** [www.unco.edu/cebs/urban-education/](http://www.unco.edu/cebs/urban-education/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The curriculum consists of recommended Liberal Arts Curriculum requirements, courses in professional teacher preparation, courses in special education theory, practice, and pedagogy and courses in Liberal Arts Curriculum content. Strong emphasis is placed on literacy and mathematics in both Liberal Arts Curriculum requirements and content area coursework. The program is organized around nine themes including individual differences (disabilities, culture, and language), interpersonal/collaborative skills, direct instruction, legal responsibilities/processes, organizational/systemic process behavioral management knowledge and access of resources, inquiry skills, and implementation of special educator roles. Topics emphasized within these themes include typical developmental learning, general assessment concepts, foundational characteristics of disabilities, service delivery models, and technology.

#### Program Admission Requirements:

Academic Good Standing

### DEGREE REQUIREMENTS — 120 CREDITS

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#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 79 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

### Mathematics — 3 credits

MATH 181 and MATH 182 are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.

See Mathematics courses (p. 71)

### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation. We recommend that your Arts and Humanities courses count for your IS and MS designations.

HIST 100 or HIST 101 is recommended to fulfill History requirement and will fulfill both LAC and major requirements.

GEOG 100 or GEOG 110 or PSCI 100 or ECON 203 or ECON 205 is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

SCI 265 and SCI 266 are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.

See Natural & Physical Sciences courses (p. 75)

### See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 79 credits

EDSE 201	Culture of Special Education	3
EDSE 203	The Individualized Education Program and the Collaborative Process	3
EDSE 270	Field-Based Experience	3
EDSE 320	Assessment in Special Education	3
EDSE 321	Advanced Assessment in Special Education	3
EDSE 322	K-12 Methods in Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
EDSE 326	Behavioral Dimensions of Students with Exceptionalities II	3

EDSE 327	Methods for Teaching Mathematics: Students with Special Needs	3
EDSE 328	Field Experience in Special Education: Elementary	3
EDSE 329	Field Experience in Special Education: Secondary	3
EDSE 411	Assessments to Support the Struggling Reader	3
EDSE 442	Language and Literacy for Students with Severe Delays	3
EDSE 443	Support Systems in Special Education	3
EDSE 460	Culturally and Linguistically Diverse Students with Disabilities	3
EDEL 360	Teaching Foundational Reading Skills	3
CSD 266	Normal Speech and Language Development	3
CSD 365	Language Disorders in Children	3
EED 342	Methods and Materials for Teaching Language and Composition in the Elementary School	3
MATH 181	Fundamentals of Mathematics I: Number and Operations	3
MATH 182	Fundamental Mathematics II: Algebra, Probability and Data Analysis	3
MATH 283	Fundamental Mathematics III: Geometry and Measurement	3
HIST 100	Survey of American History from Its Beginnings to 1877	3
HIST 101	Survey of American History from 1877 to the Present	3
GEOG 100	World Geography	3
GEOG 110	Geography of the United States and Canada	3
PSCI 100	United States National Government	3
ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3
SCI 265	Physical Science Concepts	3
SCI 266	Earth and Life Science	4
	Application for Initial Admission to PTEP	
	Application for Full Admission to PTEP	

### 3. University-Wide Credits — 10 Credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 10 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## SPORT AND EXERCISE SCIENCE B.S. – EXERCISE SCIENCE CONCENTRATION

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

**Contact:** Gary D. Heise, Ph.D., Program Coordinator

**Location:** Gunter 2620

**Telephone:** 970.351.1738

**Website:** [www.unco.edu/nhs/sport-exercise-science/](http://www.unco.edu/nhs/sport-exercise-science/)

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

The Exercise Science program is designed to provide students quality academic and professional preparation in the scientific study of exercise science and post-graduate degrees. The program offers a sound theoretical foundation and clinical applications. Graduates will be prepared to pursue enrollment in physical therapy, athletic training, occupational therapy, physician assistant, or other health related professional programs. The Exercise Science program is a National Strength and Conditioning Association education recognition program.

#### Program Admission Requirements:

Academic Good Standing

#### Program Requirements:

- Prior to registering for SES 492, students must complete all SES prefix courses with a GPA of 2.7 or better, have current CPR certification, and have consent of the Internship Director. In addition, the SES Internship Request Form must be submitted two weeks before the start of Final Exam week of the PRIOR SEMESTER. This request requires students to secure an internship experience and provide details of the internship site and supervisor.

## DEGREE REQUIREMENTS — 120 CREDITS

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### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 85 required major credits.



Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

### Written Communication — 6 credits

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Written Communication courses (p. 71)

### Mathematics — 3 credits

STAT 150 (3) is recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.

See Mathematics courses (p. 71)

### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

PSY 120 (3) is recommended to fulfill Social & Behavioral Sciences requirement and will fulfill both LAC and major requirements.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

BIO 110 (4), CHEM 111 (4), CHEM 111L, PHYS 220 (5), and SES 220 (4) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.

See Natural & Physical Sciences courses (p. 75)

### See Liberal Arts Curriculum (p. 70)

## 2. Required Major — 85 credits

Take all of the following courses:

BIO 110	Biology: Atoms to Cells	4
BIO 210	Cell Biology	3
BIO 341	Human Anatomy	4
BIO 350	Human Physiology	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
PHYS 220	Introductory Physics I	5
PSY 120	Principles of Psychology	3
SES 123	Introduction to Sport and Exercise Science	3
SES 220	Anatomical Kinesiology	4
SES 322	Exercise Physiology I	3
SES 324	Exercise Physiology II	3

SES 331	Biomechanics	3
SES 490	Exercise Assessment and Programming	3
SES 492	Internship in Sport and Exercise Science	6-12
STAT 150	Introduction to Statistical Analysis	3

Note: SES 492: Take 6 credits

### Choose 24 credits from the following courses:

BIO 220	Genetics	4
BIO 325	Introduction to Cancer Biology	3
BIO 351	Microbiology	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
FND 210	Medical Terminology	2
PHYS 221	Introductory Physics II	5
PSY 230	Lifespan Development	3
PSY 255	Introduction to Mental Health	3
SES 280	Prevention and Care of Sports Injuries	3
SES 323	Motor Learning and Development	3
SES 333	Psychology of Exercise and Physical Activity	3
SES 405	Exercise Oncology	3
SES 410	Cardiac Rehabilitation	3
SES 424	Complementary and Integrative Health	3
SES 426	Motor Control	3
SES 431	Advanced Methods in Biomechanics	3
SES 436	Social Influences on Sport and Exercise Behavior	3

### 3. University-Wide Credits — 4 credits\*

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 4 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

### Program Note

By taking FND 250 as a university-wide elective, all pre-requisite courses will be met for UNC's M.S. degree in Athletic Training.

**SPORT AND EXERCISE SCIENCE B.S. –  
HUMAN PERFORMANCE CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Natural and Health Sciences**

**Contact:** Gary D. Heise, Ph.D., Program Coordinator

**Location:** Gunter 2620

**Telephone:** 970.351.1738

**Website:** www.unco.edu/nhs/sport-exercise-science/

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The Human Performance program is designed to provide students quality academic and professional preparation in the scientific study of human movement. The program offers a sound theoretical foundation and practical applications. Graduates will be prepared to work in one or more of the following areas: cardiac rehabilitation, gerontological fitness, fitness and exercise program management, conditioning of athletes, biomechanics, ergonomics, sport and exercise leadership, and /or stress management. The Human Performance program is a National Strength and Conditioning Association education recognition program.

**Program Requirements:**

- Prior to registering for SES 492, students must complete all SES prefix courses with a GPA of 2.7 or better, have a current CPR certification, and have consent of the Internship Director. In addition, the SES Internship Request Form must be submitted two weeks before the start of Final Exam week of the PRIOR SEMESTER. This request requires students to secure an internship experience and provide details of the internship site and supervisor.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 64 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*CHEM 281 (3), CHEM 281L (1), and SES 220 (4) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 64 credits**

**Take all of the following courses:**

BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 246	Advanced Human Anatomy and Physiology	3
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1
SES 123	Introduction to Sport and Exercise Science	3
SES 220	Anatomical Kinesiology	4
SES 221	Weight Training Techniques	1
SES 280	Prevention and Care of Sports Injuries	3
SES 322	Exercise Physiology I	3
SES 324	Exercise Physiology II	3
SES 331	Biomechanics	3
SES 333	Psychology of Exercise and Physical Activity	3
SES 426	Motor Control	3

SES 490	Exercise Assessment and Programming	3
SES 492	Internship in Sport and Exercise Science	6-12

Note: SES 492: Take 12 credits total; can be taken in 6 credit semester blocks.

**Choose 12 credits from the following courses:**

**Minimum of 6 credits must be from these courses:**

SES 323	Motor Learning and Development	3
SES 405	Exercise Oncology	3
SES 410	Cardiac Rehabilitation	3
SES 431	Advanced Methods in Biomechanics	3
SES 480	Advanced Functional Assessment of Strength and Conditioning	3

**Remaining credits may also include:**

SES 335	Principles of Coaching	3
SES 337	Sport for High Performance Athletes	3
SES 424	Complementary and Integrative Health	3
SES 436	Social Influences on Sport and Exercise Behavior	3

**3. University Wide Credits — 25 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree, that will typically be 25 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**Program Notes**

This concentration is a National Strength and Conditioning Association (NSCA) education recognition program. Students wishing to participate in the NSCA recognition program should consult their advisor.

By including BIO 110, FND 250, PHYS 220, PSY 120, STAT 150 within LAC choices or university-wide electives, all pre-requisite courses will be met for UNC's M.S. Athletic Training program.

**SPORT AND EXERCISE SCIENCE B.S. –  
LICENSURE: PHYSICAL EDUCATION  
(GRADES K-12)**

**PROGRAM OVERVIEW**

**College of Natural and Health Sciences**

**Contact:** Jennifer M. Krause, Ph.D., Program Coordinator

**Location:** Gunter 2660

**Telephone:** 970.351.1755

**Website:** [www.unco.edu/nhs/sport-exercise-science/](http://www.unco.edu/nhs/sport-exercise-science/)

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

**Program Description:**

The mission of the undergraduate Physical Education Teacher Education program at the University of Northern Colorado is to prepare future physical educators with the knowledge, skills, and dispositions to develop physically literate K-12 graduates. This mission will be accomplished by providing students with classroom and field-based experiences that cultivate expertise in the areas of motor skill development, health-related fitness, program design, instructional technology, assessment, and pedagogy. Graduates will depart the program as reflective physical education professionals who are capable of promoting physical activity in diverse settings.

**Program Admission Requirements:**

**Admission Criteria.** Prior to enrollment in SES 266 students must have a minimum overall grade point average of 2.5 and completed the Application for Initial Admission to PTEP.

**Transfer Applicants and Change of Major Students.** First semester transfer applicants who have completed a minimum of 30 credit hours may enroll in SES 266 their first semester on campus if their overall GPA at another institution is a 2.5 or higher.

- Academic Good Standing
- A 2.5 cumulative GPA is required for transfer and change of major students to declare this program.
- A maximum of 15 hours may be transferred to the major from other institutions.

### **Program Requirements:**

Must maintain a 2.5 overall GPA to retain full admission in both SES, K-12 and the PTEP. Provisional status will prevent the student from enrolling in upper division courses in the SES K-12 major.

- Demonstrate professional promise as a teacher to the satisfaction of the Physical Education Teacher Education Faculty. Means of evaluation may include, but are not limited to, letters of intent, review of dispositions and interviews with the SES faculty.
- Students will annually be required to complete an oath and consent form.
- Prior to student teaching, students must have successfully completed all required Sport and Exercise Science K-12 Licensure Program courses, be fully admitted to the major and PTEP programs, achieve proficient or advanced on all dispositions, hold current First Aid/CPR certification, and pass the state licensure examination.
- Meet all Physical Education and state standards at a provisional level as listed in the program handbook.
- Show continuous growth in becoming a physical education teacher. Students who wish to be licensed to teach in the State of Colorado must make application upon completion of their program.
- Students who plan to apply for K-12 Teacher Licensure in the State of Colorado must student teach at both the elementary and secondary levels.

### **PTEP Program Requirements:**

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)

- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

## **DEGREE REQUIREMENTS — 120 CREDITS**

### **1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 44 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

#### **Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### **Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### **Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

Select any courses to fulfill this requirement from the currently approved LAC course list.

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

### Natural & Physical Sciences — 7 credits

SES 220 (4) and FND 250 (3) are recommended to fulfill Natural & Physical Sciences requirement and will fulfill both LAC and major requirements.

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

### 2. Required Major — 44 credits

Take all of the following courses:

FND 250	Principles of Nutrition	3
SES 202	Lifetime Sports and Physical Activities	3
SES 210	Developmentally Appropriate Elementary Activities	3
SES 220	Anatomical Kinesiology	4
SES 221	Weight Training Techniques	1
SES 240	Secondary Physical Education Content	3
SES 243	Outdoor and Adventure Programming	3
SES 322	Exercise Physiology I	3
SES 323	Motor Learning and Development	3
SES 331	Biomechanics	3
SES 333	Psychology of Exercise and Physical Activity	3
	or	
SES 438	Sport Psychology	3
SES 441	Physical Education Technology	3
SES 443	Teaching and Assessing School Health	3
SES 446	Sociocultural Concepts of Teaching and Learning in Physical Education	3
	3 credits of SES prefix electives	

### 3. Required PTEP — 45 credits

Complete the Application for Initial Admission to PTEP the semester before SES 170.

Complete the Application for Full Admission to PTEP the semester before content methods.

Complete the Application for Student Teaching the semester before student teaching.

Take all of the following

EDF 290	Foundations of Education	3
PSY 347	Educational Psychology for Elementary Teachers	3
	or	

PSY 349	Educational Psychology for Secondary Teachers	3
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
EDFE 444	Supervised Student Teaching	1-15
EDSE 433	Exceptional Students in the Regular Classroom	2

EDFE 444: Take 12 credits

### SES/PTEP Methods Courses – 23 semester credits

SES 170	Introduction to Field Based Experience	1
SES 266	Introduction to Physical Education as a Profession	3
SES 338	Teaching Diverse Populations	4
SES 340	Planning, Assessment, and Instruction in Physical Education	4
SES 342	Physical Activity and Fitness in Schools	3
SES 440	Developing Pedagogical Skills in Elementary Physical Education	4
SES 442	Developing Pedagogical Skills in Secondary Physical Education	4

### 4. University Wide Credits — 0 credits\*

\*Note: Students *must* apply the recommended courses to both the liberal arts curriculum requirements and the major requirements to complete this degree program in 120 credit hours. Students may have an *increased* number of university wide electives to apply to this degree depending on the number of credits applied to both the LAC and the major. See your advisor for details.

**SPORT AND EXERCISE SCIENCE B.S. –  
SPORT ADMINISTRATION  
CONCENTRATION**

**PROGRAM OVERVIEW**

**College of Natural and Health Sciences**

**Contact:** Alan Morse, Ph.D., Program Coordinator

**Location:** Butler-Hancock Hall 261A

**Telephone:** 970.351.1722

**Website:** www.unco.edu/nhs/sport-exercise-science/

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of four parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Required Minor Credits
4. University-Wide Credits

**Program Description:**

Sports Administration is an applied field with diverse content areas and administrative populations. This major enables students to combine sport specific content and administrative practices in preparation for the continually changing world of sport administration. Students who select this concentration are not eligible for teacher licensure in Sport and Exercise Science (120 credit hours).

**Program Admission Requirements:**

Academic Good Standing

**Program Requirements:**

- Prior to registering for SES 492, students must complete all SES prefix courses with a GPA of 2.7 or better and have consent of the Internship Director. In addition, the SES Internship Request Form must be submitted two weeks before the start of Final Exam week of the PRIOR SEMESTER. This request requires students to secure an internship experience and provide details of the internship site and supervisor.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the 49 required major credits.

Any additional coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*BA 205 (3) is recommended to fulfill Intermediate Writing Course requirement and will fulfill both LAC and major requirements.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*BA 150 (3) is recommended to fulfill Arts & Humanities requirement and ECON 203 (3) is recommended to fulfill Social & Behavioral Sciences requirement and these courses will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 49 credits**

Take all of the following courses:

BA 150	Foundations of Business Thought	3
BA 205	Business Communications	3
ECON 203	Principles of Macroeconomics	3
SES 270	Introduction to Sport Administration	3
SES 300	Management of Sport Organizations	3
SES 370	Sport Finance	3
SES 390	Pre-Internship Seminar in Sport Administration	1
SES 461	Sport Governance & Law	3
SES 478	Sport Marketing	3
SES 492	Internship in Sport and Exercise Science	6-12

Note: SES 492 take 12 credits.

**Required Elective Credits (choose 12 credits from the following courses)**

BACS 200	Web Design and Development for Small Business	3
BAMK 371	Digital Marketing	3
BAMK 478	Social Media Marketing	3
COMM 331	Organizational Communication	3
COMM 343	The Art of Persuasion	3
ECON 310	Economics of Entrepreneurship	3
ECON 315	Labor Economics	3
JMS 100	Introduction to Journalism and Media Studies	3
SES 160	History of Sport in the United States	3
SES 333	Psychology of Exercise and Physical Activity	3
SES 375	Event and Facility Management	3
SES 436	Social Influences on Sport and Exercise Behavior	3
SES 445	International Perspectives of Sport	3
SES 450	Sport Leadership and Ethics	3
SES 451	Sport Sales	3
SES 452	Sport in Film	3

**3. Required Minor - Business Administration — 21 credits**

See Business Administration minor requirements (p. 370)

**4. University-Wide Elective Credits — 19 credits\***

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 19 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**STATISTICS B.S.****PROGRAM OVERVIEW****College of Natural and Health Sciences**

**Contact:** Jodie Novak, Ph.D., Chair of Mathematical Sciences

**Location:** Ross Hall 2239

**Telephone:** 970.351.2820

**Website:** [www.unco.edu/nhs/mathematical-sciences/](http://www.unco.edu/nhs/mathematical-sciences/)

**Advising Information**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

**Program Description:**

The BS Statistics Major provides students with instruction in the basic techniques, applications, and theories of statistics, including the design and analysis of statistical models, in a wide variety of settings such as biology, business, criminal justice, earth sciences, geography, medicine, law, psychology and other social, natural and health sciences. Expanded computational, scientific, and statistical knowledge, combined with growing needs in technology, have created increased demands for individuals trained in statistics. Graduates are prepared for positions involving the design and analysis of statistical models in such areas as environmental, governmental, industrial, military, and social settings, and for additional graduate study in the areas of applied statistics and operations research.

**Program Admission Requirements:**

Academic Good Standing.

**DEGREE REQUIREMENTS — 120 CREDITS****1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*SCI 291 (3) is recommended to fulfill part of the Written Communication requirement, and will fulfill both LAC and major requirements. Then only 3 more credits of currently approved Written Communication courses will be needed.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*STAT 150 (3), STAT 250 (3), MATH 131 (4) or MATH 132 (4) are recommended to fulfill Mathematics requirement and will fulfill both LAC and major requirements.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 61 credits**

**Required Statistics Courses — 25 credits**

STAT 150	Introduction to Statistical Analysis	3
	or	
STAT 250	Statistics for Life Sciences	3
STAT 211	Computational Tools for Data Analysis	3
STAT 311	Data Preparation and Analysis	3
STAT 320	Design and Analysis of Experiments	3
STAT 330	Regression Analysis	3
MATH 350	Elementary Probability Theory	4
MATH 351	Elementary Statistics Theory	3
STAT 490	Statistics Capstone	3

**Required Mathematics and Computer Science Courses — 27 credits**

CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
CS 209	Computer and Data Ethics	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 233	Calculus III	4

**Major Electives — 6 credits**

Take 6 credits from the following:

CS 454	Data Mining and Machine Learning	3
MATH 431	Basic Analysis I	4
MATH 437	Mathematical Modeling	3
STAT 411	Fundamentals of Data Science	3
STAT 440	Applied Multivariate Statistical Analysis	3
STAT 495	Topics in Statistics	1-4
STAT 497	Statistics Project	1-4

**Scientific Writing Requirement — 3 credits**

SCI 291	Scientific Writing	3
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**3. University-Wide Credits — 28-34 credits**

Complete additional credits to achieve the minimum 120 credits needed for any degree at UNC; for this program that will typically be 28-34 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.



## THEATRE ARTS B.A. – LICENSURE: DRAMA THEATRE ARTS (GRADES K-12)

### PROGRAM OVERVIEW

#### College of Performing and Visual Arts

**Contact:** Michelle Gaza, M.F.A., Interim Director

**Location:** Frasier Hall 105

**Telephone:** 970.351.2991

**Fax:** 970.351.4897

**Website:** arts.unco.edu/theatre/

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of four parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. Professional Teacher Education Program (PTEP) Credits
4. University-Wide Credits

\*For Educator licensure majors, PTEP coursework counts towards the minimum of nine upper-division UNC credits (300-400).

#### Program Description:

A major in Theatre Arts with a concentration in Teaching provides training for students who have teaching of drama in grades K-12 as their career goal. The program cultivates an appreciation and understanding of theatre as part of American society and culture.

A major in Theatre Arts with a concentration in Teaching prepares students to teach drama in grades K-12.

#### Program Admission Requirements:

Admission to the Bachelor of Arts in Theatre Arts, Teaching concentration degree program is by interview only. Information concerning interviews may be requested from the School of Theatre Arts and Dance, University of Northern Colorado, Frasier Hall, Greeley, CO 80639, phone 970.351.2991.

#### Program Requirements:

**Students must adhere to the following guidelines in order to persist within the K-12 Drama Teaching Concentration - Licensure: Drama Theater Arts (Grades K-12) Program (“Theatre Education”):**

- All Theatre Education concentration majors must demonstrate professional promise as a teacher to the satisfaction of the Theatre Arts Faculty.
- Theatre Education concentration students choosing to audition for a main stage play or musical during the academic year must accept any role they are offered.

Non-compliance of any of the above requirements may result in disciplinary actions including, but not limited to, removal from future production assignments, loss of talent scholarship funding, or expulsion from the program.

#### PTEP Program Requirements:

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3
- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

**Additional Information:**

- Candidates must pass the Praxis or Place test prior to Student Teaching.
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- A teaching minor is highly recommended. Students must remember that in the public schools of the State of Colorado more than half the teaching load must be done in the area of licensure. A student desiring this licensure should be prepared for many additional requirements in content and in methods and observation in the minor field.
- This program meets the current licensure requirements of the North Central Association of teachers of drama.
- Students who are in theatre education must apply for admission to the Professional Teacher Education program (PTEP). Students are responsible for familiarizing themselves with the requirements in the PTEP section of the catalog. It is recommended that application for PTEP be made during the sophomore year, or after completing 30 semester hours of University coursework and no later than the first semester of the junior year. Students must complete the College of Education and Behavioral Sciences PTEP requirements (see Theatre Education advisor).

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*THEA 296 (3) and THEA 297 (3) are recommended to fulfill Arts & Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

See Liberal Arts Curriculum (p. 70)

**2. Required Major — 50 credits**

Take all of the following courses:

THEA 135	Playscript Analysis	3
THEA 149	Orientation to Technology	3
THEA 160	Acting Methods	3
THEA 190	Stage Speech	2
THEA 240	Beginning Stage Directing	3
THEA 255	Creative Drama	3
THEA 260	Scene Study	3
THEA 265	Theatre for Young Audiences Tour	3
THEA 275	Stage Movement I	2
THEA 296	History of Theatre I	3
THEA 297	History of Theatre II	3
THEA 324	Masterpieces in Theatrical Production	2
THEA 340	Workshop in Directing I	3
THEA 380	Design fundamentals for Secondary Education	3
THEA 440	Directing the One-Act Play	3

**Complete 8 hours of Individual Performance in Theatre courses:**

THEA 100	Individual Performance in Theatre	2
THEA 110	Performance in a Theatrical Production	2

**3. Required PTEP — 36 credits**

EDEC 250	Diverse Early Language and Literacy	3
EDFE 444	Supervised Student Teaching	1-15
EDF 290	Foundations of Education	3
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
EDSE 433	Exceptional Students in the Regular Classroom	2

PSY 347	Educational Psychology for Elementary Teachers	3	semester hours of University coursework and no later than the first semester of the junior year. Students must complete the College of Education and Behavioral Sciences PTEP requirements (see Theatre Education advisor).
PSY 349	Educational Psychology for Secondary Teachers	3	
THEA 365	Clinical Experiences I: Elementary Theatre	3	
THEA 385	Methods of Teaching Drama	3	
THEA 485	Clinical Experiences II: Secondary Theatre	3	
THEA 490	Theatre Arts Student Teaching Seminar	1	

Note: EDFE 444: Take 12 credits

#### 4. University-Wide Credits — 3 credits\*

Complete additional credits to achieve the minimum credits needed for any degree at UNC; for this program, that will typically be 3 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

#### Program Notes

Admission to the Bachelor of Arts in Theatre Arts, Teaching Concentration degree program is by interview only.

All Theatre Education concentration majors must demonstrate professional promise as a teacher to the satisfaction of the Theatre Arts Faculty.

The Theatre Arts program requires student majors to consult with and be advised by a faculty member teaching in the program.

A teaching minor is highly recommended. Students must remember that in the public schools of the State of Colorado more than half the teaching load must be done in the area of licensure. A student desiring this licensure should be prepared for many additional requirements in content and in methods and observation in the minor field.

This program meets the current licensure requirements of the North Central Association of teachers of drama.

The Colorado Commission on Higher Education and this program require the completion of a yearly assessment process in this concentration area. The assessment, which includes an evaluation of your years progress as well as a yearly audition or interview, may be the basis of your continuance in this concentration area.

Students who are in theatre education must apply for admission to the Professional Teacher Education program (PTEP). Students are responsible for familiarizing themselves with the requirements in the PTEP section of the catalog. It is recommended that application for PTEP be made during the sophomore year, or after completing 30

## THEATRE ARTS B.A. – THEATRE STUDIES CONCENTRATION

### PROGRAM OVERVIEW

#### College of Performing and Visual Arts

**Contact:** Michelle Gaza, M.F.A., Interim Director

**Location:** Frasier Hall 105

**Telephone:** 970.351.2991

**Fax:** 970.351.4897

**Website:** arts.unco.edu/theatre/

#### Advising Information:

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

#### The program consists of three parts:

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University-Wide Credits

#### Program Description:

A major in Theatre Arts provides pre-professional training for students who have professional theatre employment as their career goal. The program cultivates an appreciation and understanding of theatre as part of American society and culture. Our Theatre Studies Concentration is designed with coursework specific to students with interests in directing, playwriting, theatre management, entrepreneurship, and dramaturgy.

#### Program Admission Requirements:

Academic Good Standing

### DEGREE REQUIREMENTS — 120 CREDITS

#### 1. Liberal Arts Curriculum — 31 credits

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

#### Written Communication — 6 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

#### Mathematics — 3 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

#### Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*THEA 296 (3) and THEA 297 (3) are recommended to fulfill Arts & Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

#### Natural & Physical Sciences — 7 credits

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

#### See Liberal Arts Curriculum (p. 70)

#### 2. Required Major — 54 credits

##### Take all of the following courses for 38 credits:

THEA 135	Playscript Analysis	3
THEA 149	Orientation to Technology	3
THEA 150	Actor's Lab	1
THEA 160	Acting Methods	3
THEA 190	Stage Speech	2
THEA 240	Beginning Stage Directing	3
THEA 241	Seminar in Theatre Arts Management	3
THEA 275	Stage Movement I	2
THEA 296	History of Theatre I	3
THEA 297	History of Theatre II	3
THEA 324	Masterpieces in Theatrical Production	2
THEA 373	Playwriting	3
THEA 375	Stage Management for the Theatre	3
THEA 433	Dramaturgy	3
THEA 454	Theatre Studies Senior Seminar	1

##### Complete ten hours of Individual Performance in Theatre courses:

THEA 100	Individual Performance in Theatre	2
THEA 110	Performance in a Theatrical Production	2
THEA 308	Theatre Workshop	1-4

THEA 110: no more than 4 hours can be used to satisfy this requirement

**Choose six credits from the following courses:**

ART 185	Neoclassic to Modern Art History	3
ART 190	Art Appreciation	3
COMM 212	Professional Speaking	3
COMM 223	Intercultural Communication	3
DNCE 167	Ballroom Dance I	2
ENG 229	Professional Writing and Digital Video	3
ENG 243	Creative Writing: Screenwriting	3
FILM 230	Introduction to Filmmaking	3
MIND 288	Contemporary Arts Connections	3
MT 296	Musical Theatre History	3
MUS 140	Exploration of Music through American Identities	3
PVA 210	Introduction to Arts Entrepreneurship	3
THEA 130	Introduction to the Theatre	3
THEA 159	The Art of Acting for All Majors	3
THEA 193	Stage Speech and Dialects	3
THEA 215	Beginning Scene Design	3
THEA 220	Beginning Costume Design	3
THEA 225	Theatre in Film	3
THEA 230	Beginning Lighting Design	3
THEA 245	Beginning Sound Design	3
THEA 250	Stage Make Up	2
THEA 255	Creative Drama	3
THEA 276	Stage Movement II	3
THEA 308	Theatre Workshop	1-4
THEA 340	Workshop in Directing I	3
THEA 374	Playwriting II	3
THEA 401	Practicum in Theatre	1-4
THEA 422	Directed Research in Theatre	1-4
THEA 440	Directing the One-Act Play	3

**NOTE:** No more than 2 credits may be taken in any combination of THEA 401 or THEA 422.

THEA 340 and THEA 440: Only if space is available.

**3. University-Wide Credits — 35 credits\***

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this BA Theatre Arts degree that will typically be 35-41 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements may have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

**THEATRE DESIGN/TECHNOLOGY B.F.A.****PROGRAM OVERVIEW****College of Performing and Visual Arts**

**Contact:** Michelle Gaza, M.F.A., Interim Director

**Location:** Frasier Hall 105

**Telephone:** 970.351.2991

**Fax:** 970.351.4897

**Website:** arts.unco.edu/theatre/

**Advising Information:**

Students must consult with their assigned major advisor each semester prior to registering.

To find your advisor, log into [ursa.unco.edu](http://ursa.unco.edu); go to 'Student' tab and click 'View Student Information' link. If no advisor is listed, contact the major program for advisor information.

**The program consists of three parts:**

1. Liberal Arts Curriculum (LAC) Credits
2. Required Major Credits
3. University Wide Credits

**Program Description:**

A Bachelor of Fine Arts in Theatre Design/Technology prepares students for professional careers in: Lighting Design & Technology, Costume Design & Technology, Sound Design & Technology, Scenic Design, Technical Direction, Scene Painting, Properties Design and Technology, or Stage Management. This program is intended to produce the highest achievement possible of a design/technology student through the study of the major elements within their track along with understanding of the tracks with which each field collaborates in theatrical design and technology as well as performance. The degree prepares students to work professionally as designers and in a variety of performance styles and venues.

**Program Admission Requirements:**

- Admission to the Bachelor of Fine Arts in Theatre Design/Technology major is by interview.
- All students planning to major in Design/Technology are required to submit an additional application to the School.
- Information concerning interview may be requested from School of Theatre Arts and Dance, University of Northern Colorado, Frasier Hall, Greeley, Colorado 80639, phone 970.351.2991

**Program Requirements:**

**Students must adhere to the following guidelines to remain in the BFA Theatre Design/Technology major:**

- All BFA Design/Technology majors are required to participate in mainstage productions each semester, unless they receive an exemption in advance from the Area Head. In the event of a vacancy in the Area Head position, an exemption from participation must be granted by the School Director. Requests to be exempted will be considered on a case-by-case basis.
- BFA Design/Technology majors must accept any assignment they are offered in a mainstage production during the academic year. If a student does not wish to be considered for a particular production, permission must be granted by the Area Head prior to production assignments being created by the Design and Technology faculty.

Non-compliance of any of the above requirements may result in disciplinary actions including, but not limited to, removal from future production assignments, loss of talent scholarship funding, or removal from the program.

**DEGREE REQUIREMENTS — 120 CREDITS**

**1. Liberal Arts Curriculum — 31 credits**

To complete the degree in 120 credits as outlined, the program recommends the below LAC courses that also count toward the required major credits.

Any additional LAC coursework completed outside of the recommended list below may extend the length of the program of study.

**Written Communication — 6 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Written Communication courses (p. 71)

**Mathematics — 3 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Mathematics courses (p. 71)

**Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural Studies [MS], and International Studies [IS] — 15 credits**

To complete the LAC in the minimum number of credits, be sure to choose at least one course with an IS designation and one course with an MS designation.

*THEA 296 (3) or THEA 297 (3) is recommended to fulfill Arts & Humanities requirement and will fulfill both LAC and major requirements.*

See Arts & Humanities, History, and Social & Behavioral Sciences courses (p. 72)

**Natural & Physical Sciences — 7 credits**

*Select any courses to fulfill this requirement from the currently approved LAC course list.*

See Natural & Physical Sciences courses (p. 75)

**See Liberal Arts Curriculum (p. 70)**

**2. Required Major — 86 credits**

**Required Core Credits — 14 credits**

Take all of the following courses:

THEA 135	Playscript Analysis	3
THEA 149	Orientation to Technology	3
THEA 160	Acting Methods	3
THEA 296	History of Theatre I	3
	or	
THEA 297	History of Theatre II	3
THEA 324	Masterpieces in Theatrical Production	2

**Design/Technology Focus-Area Required Credits — 25 credits**

**Take all of the following courses — 9 credits**

THEA 155	Orientation to Design	3
THEA 210	Drafting for the Theatre	3
THEA 449	Design and Technology Senior Seminar	3

**Take the following repeatable courses — 16 credits**

**Take the following for 8 credits:**

THEA 100	Individual Performance in Theatre	2
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**Take the following for 8 credits:**

THEA 300	Advanced Individual Performance in Theatre	2
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**Technology Courses — 15 credits**

Choose five of the following courses:

THEA 222	Costume Technology I	3
THEA 232	Lighting Technology	3
THEA 246	Sound Technology	3
THEA 249	Scenic Technology	3
THEA 311	Beginning Scene Painting	3
THEA 317	Properties for Stage	3
THEA 375	Stage Management for the Theatre	3

**Design Courses — 9 credits**

Choose three of the following courses:

THEA 215	Beginning Scene Design	3
THEA 220	Beginning Costume Design	3
THEA 230	Beginning Lighting Design	3
THEA 245	Beginning Sound Design	3
THEA 334	Media Design and Technology	3

**Advanced Design Courses — 9 credits**

Choose three of the following courses:

THEA 315	Advanced Scene Design	3
THEA 320	Advanced Costume Design	3
THEA 332	Advanced Lighting Design	3
THEA 345	Advanced Sound Design	3

### Elective Courses — 14 credits

Choose from the following courses for 14 credits:

MUS 209	Introduction to Music Technology	2
MUS 313	Digital Composition	2
MUS 343	Recording Techniques	2
THEA 221	Costume History	3
THEA 240	Beginning Stage Directing	3
THEA 241	Seminar in Theatre Arts Management	3
THEA 290	History of Style and Decor	3
THEA 308	Theatre Workshop	1-4
THEA 321	Digital Rendering for Theatre Design	3
THEA 433	Dramaturgy	3
PVA 210	Introduction to Arts Entrepreneurship	3

### 3. University-Wide Credits — 3 credits\*

Complete additional credits to achieve the minimum credits needed for this degree at UNC; for this degree that will typically be 3-6 credits.

\*Note: Students who apply the recommended courses to both the liberal arts curriculum and the major requirements will have an *increased* number of university wide electives to apply to this degree. See your advisor for details.

## Licensure and Endorsements

### Initial Teacher Licensure

#### College of Education and Behavioral Sciences

Initial licensure programs are either attached to an undergraduate major, or are stand-alone post-baccalaureate undergraduate programs. See UNC Graduate Catalog for Graduate Initial Licensure programs. They are approved by the Colorado Department of Education and the Colorado Department of Higher Education. These programs include one initial endorsement. Individuals currently pursuing an undergraduate licensure program, and would like to obtain an added endorsement at the same time, should refer to Added Endorsement Teacher Licensure Programs (p. 354). Individuals who already have an initial license but are wishing to add another endorsement should refer to the Graduate Added Endorsement programs.

A teacher license gives the right to teach in Colorado public schools, and an endorsement is the right to teach in a specific area (for example, in Elementary classroom, or History in secondary classroom). The initial licensure programs are called PTEP, Professional Teacher Education Programs. Most of teacher licensure programs are administered by the School of Teacher Education, [www.unco.edu/cebs/teacher-education/](http://www.unco.edu/cebs/teacher-education/), unless otherwise noted. UNC Licensure officer Dr. Charles Warren is located at McKee 125; [charles.warren@unco.edu](mailto:charles.warren@unco.edu).

Teacher candidates who complete an approved content degree and the UNC professional teacher education program, as well as pass the appropriate Colorado Department of Education designated PRAXIS exam (if applicable), will be eligible for recommendation from UNC for a Colorado Department of Education teaching license.

#### DRAMA THEATRE ARTS (GRADES K-12)

See Theatre Arts B.A. – Licensure: Drama Theatre Arts (Grades K-12) (p. 344)

#### EARLY CHILDHOOD EDUCATION (AGES BIRTH-8)

See Early Childhood B.A. – Licensure: Early Childhood Education (Ages Birth-8) (p. 175)

#### EARLY CHILDHOOD SPECIAL EDUCATION (AGES BIRTH-8)

See Special Education B.A. – Early Childhood Special Education Endorsement (Ages Birth-8)

#### ELEMENTARY EDUCATION (GRADES K-6)

See:

- Elementary Education BA Elementary Education Endorsement K6 Culturally and Linguistically Diverse Concentration (p. 192)
- Elementary Education BA Elementary Education Endorsement K6 Education New Literacies Concentration (p. 194)
- Elementary Education BA Elementary Education Endorsement K6 Mathematics Concentration (p. 351)
- Elementary Education BA Elementary Education Endorsement K6 Performing and Visual Arts Concentration (p. 199)
- Elementary Education BA Elementary Education Endorsement K6 Social Studies Concentration (p. 204)
- Elementary Education BA Elementary Education Endorsement K6 Special Education Concentration (p. 351)

#### ELEMENTARY EDUCATION NONLICENSURE

See Elementary Education BA NonLicensure Educational Studies Concentration (p. 209)

#### ENGLISH LANGUAGE ARTS (GRADES 7-12)

See English Secondary Education B.A.:

- English Secondary Education B.A. – Culturally and Linguistically Diverse Education Concentration - Licensure: English Language Arts (Grades 7-12) (p. 215)
- English Secondary Education B.A. – English Language and Literature Concentration - Licensure: English Language Arts (Grades 7-12) (p. 219)
- English Secondary Education B.A. – Special Education Concentration - Licensure: English Language Arts (Grades 7-12) (p. 222)

#### MATHEMATICS MIDDLE SCHOOL (GRADES 6-8)

See Mathematics B.S. – Licensure: Middle School Mathematics (Grades 6-8) (p. 259)

#### MATHEMATICS SECONDARY (GRADES 7-12)

See Mathematics B.S. – Licensure: Mathematics (Grades 7-12) (p. 263)



## MUSIC (GRADES K-12)

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See Music Education B.M.E.:

- Music Education BME – K-12 Instrumental Teaching Concentration - Licensure: Music (Grades K-12) (p. 287)
- Music Education BME – K-12 Vocal, Piano and General Teaching Concentration - Licensure: Music (Grades K-12) (p. 290)

## MUSIC (GRADES K-12), POST BACCALAUREATE LICENSURE

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

See [www.unco.edu/cebs/teacher-education/licensure/postbac-secondary-k12/](http://www.unco.edu/cebs/teacher-education/licensure/postbac-secondary-k12/)

#### Admission Requirements

- A completed baccalaureate degree in Music. Students will have their transcripts evaluated for major content; additional content classes may be required. Persons with a non-related degree may declare a Second Bachelor's Degree.
- Applicants desiring to count licensure hours toward a Master of Arts or Master of Science degree in any area must apply concurrently to the Graduate School (for admission into the MA or MS degree program) and to the Post-Baccalaureate Licensure program in K12. EDFE 555 cannot be used as hours toward a Master's Degree.
- An interview with an appropriate content advisor is required.
- Applicants must have an overall 3.0 GPA for admission. If the grade point average is below 3.0, the applicant is required to provide evidence of qualifications sufficient to pursue graduate education.

#### PTEP Program Requirements

If you are seeking licensure in your program area, the following items are required to complete your program.

- Completion of Application for Initial Admission to PTEP – referred to as Checkpoint #1 (Enrollment in this checkpoint will result in a one-time program fee, assessed to student accounts to pay for assessment software. This checkpoint will also require an out-of-pocket payment - to the chosen approved vendor - to obtain a fingerprint background check, which is required by the Colorado Department of Education.)
- Completion of Full Admission to PTEP – referred to as Checkpoint #2
- Completion of Application for Student Teaching – referred to as Checkpoint #3

- Completion of content specific PRAXIS test prior to Student Teaching
- Candidates may not take extra courses with Student Teaching without prior approval from the Program Coordinator and the STE Director.
- All PTEP Field Experiences and methods courses need to be successfully completed prior to Student Teaching.
- Student Teaching outside the supervision of UNC Faculty may or may not be approved.
- Teacher Candidates will not be placed in a school where they were once students or where they have a close relative attending and/or working.
- Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field-based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

Please work with your content advisor to determine when these requirements will be completed throughout your program.

### REQUIREMENTS

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#### Required Common PTEP — 21 credit hours

EDF 290	Foundations of Education	3
EDFE 444	Supervised Student Teaching	1-15
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
EDSE 433	Exceptional Students in the Regular Classroom	2
PSY 347	Educational Psychology for Elementary Teachers	3
PSY 349	Educational Psychology for Secondary Teachers	3

EDF 500 may be substituted for EDF 290

EDFE 555 may be substituted for EDFE 444

ECLD 523 may be substituted for ECLD 340

EDSE 509 may be substituted for EDSE 433

PSY 500 may be substituted for PSY 347 or PSY 349

#### Select one of the Content Area Program of Studies:

##### Music — Instrumental Track

#### Foundational Courses

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3

MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3
MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3

MUS 100: each semester

**PTEP Preparation Courses — Instrumental Track**

MUS 292	Marching Band	1
MUS 319	Instrumental Techniques and Conducting	1
MUS 320	Wind Literature, Pedagogy and Conducting	2
MUS 330	String Techniques	1
MUS 360	Voice Class	1
MUS 361	Single Reed and Flute Class	1
MUS 362	Double Reed Class	1
MUS 365	Percussion Techniques	1
MUS 368	Brass Techniques I	1
MUS 369	Brass Techniques II	1
MUS 492	Marching Band	1
	Individual Performance	14
	Major Ensemble	7
	Piano Proficiency Examination	

**Music PTEP Methods Courses — Instrumental Track**

MUS 210	Introduction to Music Education	1
MUS 310	Teaching General Music in Elementary Schools	2
MUS 312	Teaching Instrumental Music in Elementary Schools	2
MUS 325	Choral Methods and Literature for Elementary and Secondary Schools	2
MUS 331	String Pedagogy and Literature for the Instrumental Music Teacher	2
MUS 356	Marching Band Techniques	1
MUS 413	Teaching Contemporary and Culturally Responsive Music in Schools	2
MUS 414	Transitional Capstone Course in Music Education	2
MUS 450	Seminar in Student Teaching for Music Educators	1

**Music — Vocal/General/Piano Track**

**Foundational Courses**

MUS 100	Recitals, Concerts and Productions	0
MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3
MUS 213	Music Theory III	3
MUS 214	Aural Skills and Sight Singing III	1
MUS 215	Music Theory IV	3

MUS 216	Aural Skills and Sight Singing IV	1
MUS 243	History of Music I	3
MUS 244	History of Music II	3

MUS 100: each semester

**PTEP Preparation Courses — Vocal/General/Piano Track**

MUS 314	Guitar in the Classroom	1
MUS 323	Choral Techniques and Conducting	2
MUS 330	String Techniques	1
MUS 361	Single Reed and Flute Class	1
MUS 365	Percussion Techniques	1
MUS 368	Brass Techniques I	1
MUS 410	Vocal Pedagogy	2
	Individual Performance	14
	Major Ensemble	7
	Piano Proficiency Examination	

Private Piano is recommended

**Music PTEP Methods Courses — Vocal/General/Piano Track**

MUS 210	Introduction to Music Education	1
MUS 310	Teaching General Music in Elementary Schools	2
MUS 312	Teaching Instrumental Music in Elementary Schools	2
MUS 324	Choral Conducting and Pedagogy for Elementary and Secondary Schools	2
MUS 325	Choral Methods and Literature for Elementary and Secondary Schools	2
MUS 413	Teaching Contemporary and Culturally Responsive Music in Schools	2
MUS 414	Transitional Capstone Course in Music Education	2
MUS 450	Seminar in Student Teaching for Music Educators	1

**General Requirements**

ENG — with B or better

COMM — with C or better

Teacher education and educator preparation licensure programs do not accept Professional Teacher Education Program (PTEP) or field based courses that are more than ten years old. PLEASE NOTE: Teacher Candidates have the right to petition this policy at the discretion of the program coordinator.

## PHYSICAL EDUCATION (GRADES K-12)

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See Sport and Exercise Science B.S. – Licensure: Physical Education (Grades K-12) (p. 338)

## SCIENCE (GRADES 7-12)

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See:

- Biological Sciences B.S. – Licensure: Science (Grades 7-12) (p. 133)
- Chemistry B.S. – Licensure: Science (Grades 7-12) (p. 162)
- Earth Sciences B.S. – Licensure: Science (Grades 7-12) (p. 183)
- Physics B.S. – Licensure: Science (Grades 7-12) (p. 313)

## SOCIAL STUDIES (GRADES 7-12)

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See:

- History B.A. – Licensure: Social Studies (Grades 7-12) (p. 244)
- Mexican American Studies B.A. – Licensure: Social Studies (Grades 7-12) (p. 269)

## SPECIAL EDUCATION GENERALIST (AGES 5-21)

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See Special Education B.A. – Licensure: Special Education Generalist (Ages 5-21) (p. 330)

## VISUAL ART (GRADES K-12)

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See Art and Design B.A. – Licensure: Visual Art (Grades K-12) (p. 120)

## WORLD LANGUAGES (GRADES K-12)

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See Spanish B.A. – Licensure: World Languages (Grades K-12) (p. 324)

### Added Endorsement Teacher Licensure

Most added endorsement licensure programs are graduate and are intended for only individuals who already have completed an initial licensure program and a bachelor's degree. See Graduate Added Endorsement Programs in the Graduate Catalog. However, the below added endorsement programs may be completed at the same time as an undergraduate initial licensure program.

## CULTURALLY AND LINGUISTICALLY DIVERSE (CLD) BILINGUAL EDUCATION SPECIALIST (GRADES K-12, SPANISH/ENGLISH)

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

#### Elementary, Secondary & K-12 Education K-12 Bilingual (Spanish/English) Education Endorsement

**Program Description:** The Culturally and Linguistically Diverse (CLD) Bilingual Education Specialist endorsement (K-12, Spanish/English) program leads to a CLD Bilingual Education Specialist endorsement by the Colorado Department of Education that qualifies a candidate to teach in both CLD and Spanish Bilingual Education settings. The program provides teacher candidates with the knowledge and pedagogical skills to effectively support Spanish/English bilingual learners in bilingual education programs. Students will gain deep understanding of theories of second language acquisition, the structures of the English and Spanish language, linguistically and culturally responsive teaching, the nature of bi/multilingualism, policies and programs impacting bi/multilingual learners, and methods for supporting content-based language learning. Students successfully completing this program will be recommended to the Colorado Department of Education for the Culturally and Linguistically Diverse Bilingual Education Specialist (K-12) endorsement.

#### Admission Requirements:

To enroll in this program, the student needs to be in a teacher licensure program at UNC.

Prior to beginning courses, students interested in obtaining the CLD Bilingual Education Specialist endorsement must complete the following:

1. Attend the CLD Orientation for new students (held once each semester).
2. Submit the application for admission to the CLD Bilingual Education Endorsement.
3. Schedule a meeting with CLD advisor Penny Mascarenas (penelope.mascarenas@unco.edu) to register for courses.

#### Program Requirements:

CLD Bilingual Education Specialist Endorsement candidates must maintain a 2.5 GPA to remain in the program. Faculty also reserve the right to place on probation or to require the withdrawal from the program of any student who fails to satisfy the requirements of scholarship, commitment, performance, or disregard for

the UNC Honor Code, based on course or practicum performance.

CLD Bilingual Specialist Endorsement candidates must complete the practicum requirement in a Spanish/English bilingual classroom. The CLD/Bilingual practicum must also be completed independently from other required practicum courses.

CLD Bilingual Specialist Endorsement candidates will complete a summative, standards-based portfolio during their practicum course (ECLD 401) that includes reflection upon artifacts generated throughout the program.

**Program Recommendations:**

Candidates are also encouraged to become involved with the UNC centers that advocate for the rights of minoritized communities, including the César Chávez Cultural Center or the Immigrant and Refugee Center.

**ENDORSEMENT REQUIREMENTS — 27-33 CREDITS**

**CLD Required Courses — 18 Credits**

WLC 390	History and Philosophy of Multilingual Education	3
ECLD 360	Second Language Acquisition	3
ECLD 380	Introduction to Linguistics for ESL/CLD Educators	3
ECLD 450	Literacy/Content Instruction in Bilingual Classrooms	3
ECLD 400	Methods and Approaches of Teaching Culturally and Linguistically Diverse Students	3
ECLD 401	CLD Practicum	3

**Bilingual Education Specialist Required Courses — 6 Credits**

**Take all of the following courses:**

SPAN 305	Introduction to Hispanic Linguistics	3
SPAN 412	Spanish for Bilingual Education II	3

**CLD Elective: U.S. Multicultural Studies — 3 credits**

**Complete one of the following options:**

MAS 100	Introduction to Mexican American Studies	3
MAS 101	Careers in Mexican American Studies	1
MAS 110	Contemporary Chicano Literature	3

**Spanish Language Proficiency Requirement:**

To obtain the CLD Bilingual Education specialist endorsement, candidates must demonstrate Spanish language proficiency through one of the following options (if you obtain a degree in a Spanish Teaching Licensure program or pass the Spanish Praxis, the remaining 6 credits of coursework may be waived):

1. Passing score on the Spanish Praxis test (for those in a licensure program other than Spanish); or
2. An additional 6 credits of university coursework in Spanish (choose one of the options below):

**Non-Heritage Speaker Option: 6 credits**

SPAN 301	Spanish Grammar	3
SPAN 302	Spanish Composition	3

**Heritage Speaker Option: 6 credits**

SPAN 310	Spanish for Native Speakers	3
SPAN 312	Written Spanish for Native Speakers	3

*Note: The Heritage Speaker courses must have program approval through a placement exam.*

**Program Notes**

Students should complete the required CLD courses in the listed sequence: WLC 390, ECLD 360, ECLD 380, ECLD 450, and ECLD 400 with ECLD 401 (same semester). Spanish courses and electives may be taken at any time.

**CULTURALLY AND LINGUISTICALLY DIVERSE EDUCATION (GRADES K-12)**

**PROGRAM OVERVIEW**

**College of Education and Behavioral Sciences**

**Elementary, Secondary & K-12 Education  
K-12 CLD Endorsement**

The endorsement program in Culturally and Linguistically Diverse (CLD) Education provides teacher candidates with the knowledge and pedagogical skills to effectively support K-12 students learning English as a new language. The program provides teacher candidates with deep understanding of theories of second language acquisition, the structures of the English language, linguistically and culturally responsive teaching, the nature of bi/multilingualism, policies and programs impacting bi/multilingual learners, and methods for supporting content-based language learning. Students successfully completing this program will be recommended to the Colorado Department of Education for the Culturally and Linguistically Diverse K-12 endorsement.

**Admission Requirements:**

To enroll in this program, the student needs to be in a teacher licensure program at UNC.

Prior to beginning your first semester within the CLD endorsement, students must complete the following:

1. Attend the mandatory CLD Orientation for new students prior to registration.
2. Submit the application for admission to the CLD Endorsement.

3. Schedule a meeting with CLD advisor Penelope Mascarenas (penelope.mascarenas@unco.edu) to register for courses.

#### Program Requirements:

CLD Endorsement candidates must maintain a 2.5 GPA to remain in the program. Faculty also reserve the right to place on probation or to require the withdrawal from the program of any student who fails to satisfy the requirements of scholarship, commitment, performance, or disregard for the UNC Honor Code, based on course or practicum performance.

CLD Endorsement candidates must complete the practicum requirement in a classroom with English learners. The CLD practicum must also be completed independently from other required practicum courses.

CLD Endorsement candidates will complete a summative, standards-based portfolio during their practicum course (ECLD 401) that includes reflection upon artifacts generated throughout the program.

#### Program Recommendations:

Students are also encouraged to become involved with the UNC ;or community centers that advocate for the rights of minoritized communities, including the César Chávez Cultural Center or the Immigrant and Refugee Center.

### ENDORSEMENT REQUIREMENTS — 24 CREDITS

#### Required — 18 credits

MAS 275	Education of Mexican American Students	3
	or	
WLC 390	History and Philosophy of Multilingual Education	3
ECLD 360	Second Language Acquisition	3
ECLD 380	Introduction to Linguistics for ESL/CLD Educators	3
ECLD 340	Academic Language/Literacy Development in the Content Areas at the Secondary Level	3
	or	
ECLD 455	Approaches to Content Literacy for Diverse Learners	3
ECLD 400	Methods and Approaches of Teaching Culturally and Linguistically Diverse Students	3
ECLD 401	CLD Practicum	3

#### CLD Elective #1: U.S. Multicultural Studies - Choose one of the following courses: 3 credits

MAS 100	Introduction to Mexican American Studies	3
	or	
MAS 110	Contemporary Chicano Literature	3
	or	

MCS 101	Multiculturalism in the United States: Concepts and Issues	3
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#### CLD Elective #2: Language and Education - 3 credits

Choose any world language course at any level (*Note: 200 level World Language courses count toward LAC Arts & Humanities and International Studies requirement*).

Any level of world language	3
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#### Program Notes

Students should complete the required courses in the listed sequence: WLC 390/MAS 275, ECLD 360, ECLD 380, ECLD 455/ECLD 340, and ECLD 400 with ECLD 401 (same semester). Electives may be taken at any time.

Credit for a world language course can also be obtained with AP credit accepted by the university or with the Seal of Biliteracy.

Students who are completing the Culturally and Linguistically Diverse (CLD) Bilingual Education Specialist (K-12, Spanish/English) (p. 354) endorsement have additional required courses and must complete their practicum in a bilingual classroom.

## Undergraduate Certificates

### ARTS ENTREPRENEURSHIP CERTIFICATE

#### PROGRAM OVERVIEW

##### College of Performing and Visual Arts

The Certificate will consist of 12 credits – 6 credits within the major areas and 6 credits of required coursework. The majority of the coursework will count within their majors, thus enabling students to earn the certificate without creating problems from assuming a large amount of coursework outside the major. Each certificate will share a common coursework, as well as individual courses unique to a student’s own artistic discipline. This certificate will prepare students for success in the highly competitive and ever-evolving world of the professional performing and visual arts.

The Arts Entrepreneurship Certificate Program is open to undergraduate students with declared majors in Art and Design B.A. – Art Studio Concentration, Art and Design B.A. – Art History Concentration, Art and Design B.A. – Visual Communication Design Concentration, Music B.A. – Liberal Arts Concentration, Music B.M. – Business Concentration, Music B.M. – Composition Concentration, Music B.M. – Instrumental Performance Concentration, Music B.M. – Jazz Studies Concentration, Music B.M. – Piano Concentration, Music B.M. – Vocal Performance Concentration, Musical Theatre B.A., Theatre Arts B.A., and others with permission from the College of Performing and Visual Arts.

#### CERTIFICATE REQUIREMENTS — 12 CREDITS

##### Required Credits — 6 credits

BAMG 355	Fundamentals of Entrepreneurship	3
PVA 210	Introduction to Arts Entrepreneurship	3

##### Choose one of the following elective areas:

##### Art and Design — 6 credits

ART 301	The Working Artist: Preparation	3
ART 401	The Working Artist: Practicum	3

NOTE: BAMK 260 may be substituted for an elective credit with permission.

##### Music — 6 credits

MUS 209	Introduction to Music Technology	2
MUS 343	Recording Techniques	2
MUS 460	Survey of the Music Business	2

NOTE: BAMK 260 may be substituted for an elective credit with permission.

Recommended, but not required:

MUS 211	Careers in Music	1
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#### Theatre Arts and Dance — 6 credits

Choose from the following based upon the major concentration within the School of Theatre Arts and Dance:

ART 237	Introduction to Digital Media	3
THEA 241	Seminar in Theatre Arts Management	3
THEA 401	Practicum in Theatre	1-4
THEA 422	Directed Research in Theatre	1-4
THEA 450	Design and Technology Practicum	3
THEA 454	Theatre Studies Senior Seminar	1
THEA 464	Audition Techniques	3
THEA 465	Acting Showcase	3
MT 465	Musical Theatre Workshop	3

NOTE: THEA 465 and MT 465 by audition only.

NOTE: BAMK 260 may be substituted for an elective credit with permission.

### BREWING LABORATORY SCIENCE CERTIFICATE

#### PROGRAM OVERVIEW

##### College of Natural and Health Sciences

The certificate program in brewing laboratory science prepares students for laboratory work in the beer brewing industry. The certificate provides both a theoretical background in brewing, the brewing process, and in laboratory analysis of malt, wort, and beer components. American Society of Brewing Chemists (ASBC) laboratory methods and their application to a quality control / quality assurance program in an operational microbrewery are key features of the intensive practical experience associated with the program.

#### CERTIFICATE REQUIREMENTS — 9 CREDITS

##### Required Certificate Coursework — 9 credits

BREW 370	Introduction to Brewing Science	3
BREW 470	Practical Brewing Science	3
BREW 479	Advanced Brewing Science	3

A "B" or higher (a "B-" is not sufficient) in each of the courses must be achieved to earn the Brewing Laboratory Science Certificate.

## DIAGNOSTIC ASSESSMENT AND SKILLS TRAINING SERIES CERTIFICATE

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

[www.unco.edu/cebs/asl-interpreting/](http://www.unco.edu/cebs/asl-interpreting/)

The Diagnostic Assessment and Skills Training Series uses an in-depth pre-diagnostic assessment and report to identify patterns in your work, both strengths and weaknesses that need attention. These patterns will define which lessons within the program you will complete. At the end, you will participate in a post-diagnostic assessment to evaluate your progress towards improving the patterns identified in your pre-assessment report and assist you in defining an ongoing professional development plan. The set of three courses is designed to help you analyze and improve your interpreting skills.

### PROFESSIONAL DEVELOPMENT CERTIFICATE REQUIREMENTS — 9 CREDITS

#### Required Major — 9 credits

INTR 470	Skill Performance Assessment for Working Interpreters	3
INTR 471	Skill Development for Working Interpreters I	3
INTR 472	Skills Development for Working Interpreters II	3

A "B" grade in each of the courses must be achieved to earn the Professional Development Certificate.

## DIDACTIC DIETETICS EDUCATION CERTIFICATE

### PROGRAM OVERVIEW

#### College of Natural and Health Sciences

#### Department of Nutrition and Dietetics

An existing bachelor's degree is required to enroll in the Certificate Program. Students must maintain a cumulative GPA of 3.0 or above and grades of C or better (C- is not acceptable) in all required courses for successful completion of the certificate. This is an academic certificate only and not to be used for practice or for seeking employment. Successful completion of the certificate requirements will permit a student to earn a Verification Statement to become eligible to pursue supervised practice toward becoming a registered dietitian nutritionist.

## CERTIFICATE REQUIREMENTS — 75 CREDITS

### Required Credits

BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
BIO 110	Biology: Atoms to Cells	4
BIO 245	Introduction to Human Anatomy and Physiology	4
BIO 251	Allied Health Microbiology or	4
BIO 351	Microbiology	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 231	Principles of Organic Chemistry	3
CHEM 381	Principles of Biochemistry	3
CHEM 381L	Principles of Biochemistry Lab	1
FND 210	Medical Terminology	2
FND 250	Principles of Nutrition	3
FND 252	Nutrition in the Life Cycle	3
FND 310	Introduction to Foods	2
FND 310L	Introduction to Foods Laboratory	2
FND 320	Nutrition Applications in Foodservice	2
FND 320L	Nutrition Applications in Foodservice Laboratory	1
FND 370	Nutrition Education and Application Strategies	3
FND 410	Professional Development Seminar	2
FND 430	Nutrition Assessment and Intervention	2
FND 430L	Nutrition Assessment and Intervention Laboratory	1
FND 431	Medical Nutrition Intervention	2
FND 431L	Medical Nutrition Intervention Laboratory	1
FND 446	Foodservice Systems Management	3
FND 446L	Foodservice Systems Management Laboratory	1
FND 451	Advanced Nutrition	3
FND 452	Community Nutrition	3
PSY 120	Principles of Psychology	3
SCI 291	Scientific Writing	3
STAT 150	Introduction to Statistical Analysis	3

## DIGITAL MARKETING CERTIFICATE

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

This four course Digital Marketing certificate program is for students interested in acquiring the latest knowledge, skills, and tools in areas of digital marketing such as e-commerce, user experience, design, basic web development, social media management, digital advertising, search engine marketing, and content creation.

### CERTIFICATE REQUIREMENTS — 12 CREDITS

#### Required Courses — 6 credits

BAMK 360	Marketing	3
BAMK 371	Digital Marketing	3

#### Electives — 6 credits

Select any two courses.

ART 469	Interactive Design	3
	or	
ART 473	Brand Identity Design	3
BACS 200	Web Design and Development for Small Business	3
BACS 383	Designing User Experiences	3
BAMK 365	Advertising and Promotion	3
BAMK 366	Omni Channel Retail	3
BAMK 444	Web and Digital Ad Analytics	3
BAMK 478	Social Media Marketing	3
	or	
JMS 415	Social Media Campaigns	3
BAMK 494	Seminar in Digital Marketing	3

Take either ART 469 or ART 473, not both.

Take either BAMK 478 or JMS 415, not both.

BAMK 494 may be repeatable under different subtitles up to 6 credit hours.

#### Program Notes

Students may transfer a maximum of 3 semester credits toward the certificate from other institutions.

Students must receive a "C-" or better in each course.

## DRONE OPERATIONS AND SPATIAL ANALYTICS CERTIFICATE

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

The certificate in Drone Operations and Spatial Analytics will provide a credential to students and/or individuals who have demonstrated competency in the planning and operation of small un-crewed aerial systems (sUAS) and

analyzing the spatial data collected by sUAS. The certificate will provide the knowledge and skills necessary to apply this technology to a field of study or field of work. This certificate will also provide the knowledge necessary to attain the FAA Part 107 small Unmanned Aircraft Systems license. UAS is a technology with many applications, some of which include remote sensing, geographic information systems (GIS), precision agriculture, construction, resource management, engineering, cinematography, and emergency services.

### CERTIFICATE REQUIREMENTS — 12 CREDITS

#### Required Courses — 9 Credits

Take all of the following courses:

GEOG 185	Introduction to Drones	3
GEOG 210	Introduction to GIS and GPS	3
	or	
GEOG 285	Earth from Above	3
GEOG 449	Remote Sensing of the Environment	3

Students can take GEOG 210 or GEOG 285.

#### Electives — 3 Credits

Take one of the following courses:

GEOG 307	Geographic Information Science	3
GEOG 327	Fundamentals of Geospatial Programming	3
GEOG 485	Advanced Geographic Techniques: Topics	1-3

## ENTREPRENEURSHIP CERTIFICATE

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

The Entrepreneurship Certificate is the applied aspect and the customization of course work to fit the student's interests and career plans. Faculty members from academic disciplines and applied fields provide a critical framework for students to build their perspective, knowledge, and skills to engage in entrepreneurship. Students in the certificate develop entrepreneurial mindsets, gain deep knowledge of opportunity discovery, venture creation, and entrepreneurial ecosystems, and engage in ideation, business planning, small business management, and networking with local entrepreneurs. Required courses are restricted to Juniors or above and students who have declared a business degree and/or the entrepreneurship certificate.



## CERTIFICATE REQUIREMENTS — 12 CREDITS

### Required Certificate Coursework — 6 Credits

Take both of the following courses.

BAMG 355	Fundamentals of Entrepreneurship	3
BAMG 451	Managing New Business Ventures	3

### Electives — 6 Credits

Select any two of the following courses.

BAMG 407	Small Business Counseling	3
BAMG 410	Innovation and Entrepreneurship	3
BAMG 411	Social Entrepreneurship	3
BAMG 412	Sustainable Innovation	3
BAMG 492	Internship in Management	3

Students must receive a C or better (C- is not acceptable) in all required courses for successful completion of the certificate.

## EDUCATIONAL INTERPRETING CERTIFICATE

### PROGRAM REVIEW

#### College of Education and Behavioral Sciences

Department of American Sign Language & Interpreting Studies

**NOTE:** The Educational Interpreting Certificate Program is a 29-credit hour program of specialized coursework designed for K-12 Sign Language Interpreters. The program addresses essential interpreting skills and knowledge sets to effectively interpret for students who are deaf or hard of hearing. Program outcomes satisfy Colorado Department of Education employment standards.

### PROFESSIONAL CERTIFICATE REQUIREMENTS — 29 CREDITS

#### Required Courses — 29 credits

EDI 101	Field of Interpreting	1
EDI 111	Child and Language Development	1
EDI 112	Language and Learning in Deaf Children	2
EDI 113	Deaf Education	1
EDI 114	Educational Interpreting	1
EDI 121	Languages and Sign Systems	1
EDI 122	Discourse Analysis: Language Use in Education	1
EDI 124	Discourse Analysis: Interpreting Discourse	1
EDI 131	Skills Development Lab I: Foundational Skills	4
EDI 132	Skills Development Lab II: Language Mentorship	1

EDI 133	Skills Development Lab III: Language Mentorship	1
EDI 211	Curriculum Methods and Materials K-12	1
EDI 212	Tutoring Techniques	1
EDI 223	Communication Assessment: Techniques for Educational Interpreters	1
EDI 231	Skills Development: K-12 Content Areas	2
EDI 232	Skills Development: K-12 Non-content Areas	2
EDI 233	Skills Development Lab IV: Interpreting	3
EDI 234	Professional Educational Interpreter	1
EDI 238	Portfolio	2
EDI 280	Internship: Educational Interpreting	1

### Educational Interpreting Courses for ASLEI Majors

The following courses may be applied toward a micro-credential. ASL English Interpretation B.A. Majors may choose electives from the following courses. Some scholarships may specifically require courses from this list. Please consult with your academic advisor.

INTR 405	Supervision of Interpreting Systems	3
INTR 406	Leadership in Interpreting	3
INTR 431	Systems and Structures for School Interpreting	3
INTR 432	An Interdisciplinary Approach to School Interpreting I	3
INTR 433	Communication Assessment for School Interpreting	3
INTR 434	An Interdisciplinary Approach to School Interpreting II	3

## GIS AND CARTOGRAPHY CERTIFICATE

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

certificate prepares students for careers that use Geographic Information Systems (GIS). GIS is a fast growing career sector and uses geospatial technology to generate maps, store map-related information, and analyze geographic data. Geographers, planners, natural resource managers, land developers, real estate agents, market analysts, utility companies, and municipal officials all use GIS. The GIS and Cartography certificate complements majors in all of the social sciences, humanities, business, and many of the natural sciences and provides degree and non-degree seeking students with a marketable skillset.

## CERTIFICATE REQUIREMENTS — 12 CREDITS

### Required Courses — 9 Credits

Take all of the following courses:

GEOG 210	Introduction to GIS and GPS	3
GEOG 302	Cartography	3
GEOG 307	Geographic Information Science	3

### Elective Courses — 3 Credits

Take one of the following courses:

GEOG 327	Fundamentals of Geospatial Programming	3
GEOG 412	Web Mapping	3
GEOG 449	Remote Sensing of the Environment	3
GEOG 470	Urban GIS	3
GEOG 485	Advanced Geographic Techniques: Topics	1-3

## HUMAN RESOURCE MANAGEMENT CERTIFICATE

### PROGRAM OVERVIEW

#### Monfort College of Business

##### Department of Management

Kepner 1090  
970.351.2088

This 12-hour certificate program prepares students who are interested in not only a human resource management career, but also students who are interested in leadership. The certificate offers a very strong overview of the HR as well as a deep understanding of recruiting, selection, training, performance management, compensation, conflict resolution, and change management. The curriculum follows the recommendations by the Society of Human Resource Management (SHRM) and it helps students with SHRM's national certification process.

## CERTIFICATE REQUIREMENTS — 12 CREDITS

### Required Certificate Coursework - 12 credits

BAMG 353	Human Resources Management	3
BAMG 461	Talent Management	3
BAMG 462	Training & Organization Development	3
BAMG 463	Compensation, Performance Management and Conflict Management	3

Students must receive a C or better (C- is not acceptable) in all required courses for successful completion of the certificate.

## LEADERSHIP AND SUPERVISION CERTIFICATE

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

Department of American Sign Language & Interpreting Studies

The Leadership and Supervision Certificate Program (LSCP) is a 4-course series of online, specialized coursework designed for individuals working in or aspiring to positions as lead interpreters, mentors, supervisors or leaders within an ASL-English Interpreting system. It is a series designed to provide students with effective strategies and tools for addressing and managing real-world issues and challenges faced in a variety of fast-growing and rapidly changing interpreting systems. Problem solving and decision-making will be enhanced through the critical examination of cutting-edge research, theories and practice.

## PROFESSIONAL DEVELOPMENT CERTIFICATE REQUIREMENTS — 12 CREDITS

### Required Certificate — 12 credits

INTR 405	Supervision of Interpreting Systems	3
INTR 406	Leadership in Interpreting	3
INTR 460	The Dimensions of Ethical Decision Making for Interpreters	3
INTR 461	Conducting Diagnostic Assessments for ASL-English Interpreters	3

*NOTE: A "B" grade in each of the courses must be achieved to earn the Professional Development Certificate.*

## LEGAL INTERPRETER TRAINING CERTIFICATE

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

Department of American Sign Language & Interpreting Studies

The Legal Interpreter Training Program (LITP) is a 4-semester program of specialized coursework designed for ASL-English interpreters who wish to work in the legal system of the United States. This specialized course of study prepares interpreters to meet the employment standards of the many state Judicial Systems. The program includes three knowledge courses about the Legal System, Civil and Criminal Law. The fourth course concentrates on skills development and includes a practicum which can be

accomplished in Denver, CO or, with approval, in a student's own community

### PROFESSIONAL DEVELOPMENT CERTIFICATE REQUIREMENTS — 15 CREDITS

#### Required Certificate — 15 credits

INTR 480	Overview of Interpreting in the American Judicial System	4
INTR 481	Civil Litigation	3
INTR 482	Criminal Law	4
INTR 483	Skills Development for Legal Interpreters	3
INTR 485	Internship for Legal Interpreters	1

A "B" grade in each of the courses must be achieved to earn the Professional Development Certificate.

### MUSIC TECHNOLOGY CERTIFICATE

#### PROGRAM OVERVIEW

##### College of Performing and Visual Arts

This six-course certificate is designed for music students who want to pursue a career in the music industry involving music technology and/or who want to be able to record, produce, and market their music at a professional level. Through the course of study, the students will develop a solid foundation on contemporary technologies and related techniques such as MIDI, digital music notation, sequencing, samplers, recording, microphone techniques, mixing, composition using the latest music software, basics of scoring for video (film, advertising, video games, among others), the art of music production, critical listening, the basics of music publishing, copyrights, promotion, marketing, and much more.

The certificate will be offered using UNC's music technology facilities, which include a state-of-the-art professional studio, a 30-station computer lab with the latest music software, and two project studios available to students for basic recording, pre/post production, editing, and more.

#### Minimum entrance requirements

Students from other disciplines might be accepted into the certificate program following consultation and approval from the program director.

After successful completion of Introduction to Music Technology-MUS 209, interested students may declare their intent to continue with more advanced courses, leading toward the completion of the certificate. Full acceptance into the upper level of the certificate program is determined through a personal interview with the program director.

### CERTIFICATE REQUIREMENTS — 12 CREDITS

#### Required Credits – 12 Credits

MUS 209	Introduction to Music Technology	2
MUS 313	Digital Composition	2
MUS 343	Recording Techniques	2
MUS 354	Advanced Recording Techniques	2
MUS 405	Music Production	2
MUS 460	Survey of the Music Business	2

### SAFETY SCIENCE CERTIFICATE

#### PROGRAM OVERVIEW

##### College of Natural and Health Sciences

The certificate program in safety science prepares students for field site and laboratory work around any industrial hazardous materials on a wide variety of job sites (from extractive industries to food service industries). Federal and state regulations require workers in many industries to be trained according to guidelines established by the Occupational Safety and Health Administration (e.g. hazardous waste operations and emergency response-HAZWOPER). The certificate provides both a theoretical background in science and practical training in environmental settings with appropriate personal and environmental protective equipment. Many employers look for such training in their workforce.

### CERTIFICATE REQUIREMENTS — 12 CREDITS

#### Required Credits - 12 credits

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
ESCI 200	Introduction to Environmental Earth Science	4
ESCI 472	Industrial Safety	3
ESCI 572	Industrial Safety	3

### THEATRE DESIGN AND TECHNOLOGY CERTIFICATE

#### PROGRAM OVERVIEW

##### College of Performing and Visual Arts

The Theatre Design and Technology Certificate provides students with foundational knowledge in the field of theatrical design and technology while also providing the opportunity for advanced study in specific disciplines through chosen Certificate Electives. This Certificate can be selected by students in conjunction with most other university majors.

**CERTIFICATE REQUIREMENT — 22 CREDITS****Take all of the following courses for a total of 14 credits**

THEA 100	Individual Performance in Theatre	2
THEA 135	Playscript Analysis	3
THEA 149	Orientation to Technology	3
THEA 155	Orientation to Design	3
THEA 210	Drafting for the Theatre	3

**Choose three classes from the following list of Certificate Electives for a total of 8 - 9 credits**

THEA 215	Beginning Scene Design	3
THEA 220	Beginning Costume Design	3
THEA 221	Costume History	3
THEA 222	Costume Technology I	3
THEA 230	Beginning Lighting Design	3
THEA 232	Lighting Technology	3
THEA 245	Beginning Sound Design	3
THEA 246	Sound Technology	3
THEA 249	Scenic Technology	3
THEA 290	History of Style and Decor	3
THEA 300	Advanced Individual Performance in Theatre	2
THEA 311	Beginning Scene Painting	3
THEA 315	Advanced Scene Design	3
THEA 317	Properties for Stage	3
THEA 320	Advanced Costume Design	3
THEA 321	Digital Rendering for Theatre Design	3
THEA 332	Advanced Lighting Design	3
THEA 334	Media Design and Technology	3
THEA 345	Advanced Sound Design	3
THEA 375	Stage Management for the Theatre	3
THEA 449	Design and Technology Senior Seminar	3

## Minors

### AEROSPACE STUDIES (AIR FORCE)

#### **Undergraduate Studies**

See “Reserve Officer Training Corps (ROTC) (p. 108)”

#### **PROGRAM OVERVIEW**

The minor in Aerospace Studies is offered to any student completing the course of study listed below and is not restricted to ROTC cadets. In addition to studying Air Force organizations, missions, and operations, the student will gain a broad perspective of the military in general.

**Students interested in becoming Air Force ROTC cadets should see “Reserve Officer Training Corps Air Force (ROTC)”**

#### **MINOR REQUIREMENTS — 19 CREDITS**

##### **Required Lower Division — 4 semester credits**

AS 101	United States Air Force Heritage and Values I	1
AS 102	United States Air Force Heritage and Values II	1
AS 201	USAF Team and Leadership Fundamentals I	1
AS 202	USAF Team and Leadership Fundamentals II	1

##### **Required Upper Division — 15 semester credits**

AS 301	USAF Leading People and Effective Communication I	3
AS 302	USAF Leading People and Effective Communication II	3
AS 401	National Security/Commissioning Preparation I	3
AS 402	National Security/Commissioning Preparation II and choose one of the following courses:	3
MLSC 357	American Military Experience or	3
COMM 431	Communication and Leadership or	3
PHIL 355	Social and Political Philosophy or	3
PSY 443	Motivation	3

Note that PSY-120 is a prerequisite for PSY-443.

## AFRICANA STUDIES

### **College of Humanities and Social Sciences**

#### **MINOR REQUIREMENTS — 18 CREDITS**

##### **Africana Studies Core Courses (12 Credits)**

##### **Foundations of Africana Studies – 3 Credits**

Choose *one* of the following:

AFS 100	Introduction to Africana Studies	3
AFS 101	Development of Black Identity	3

##### **Survey of Africa – 3 Credits**

Choose *one* of the following:

AFS 104	Survey of Africa	3
HIST 110	African Civilization	3

##### **Survey of African American History – 3 Credits**

Choose *one* of the following:

AFS 201	African American History I	3
AFS 202	African American History II	3

##### **Special Topics in Africana Studies – 3 Credits**

Choose *one* of the following:

AFS 102	The Black Woman in America	3
AFS 205	Survey of African American Literature	3
AFS 240	Dynamics of Racism	3
WLC 195	Elementary World Language	1-5
WLC 296	Study Abroad Experience	1-3

*The AFS Program will recognize African centered or diasporic languages transferred from an accredited institution. Languages include, but are not limited to, Akan, Kiswahili, Standard Arabic, Wolof, Somali, Zulu, and Portuguese among others. Please contact both the Department of World Languages and Cultures and Africana Studies Program if you have any questions.*

*WLC 296 needs approval of the Department of World Languages and Cultures and the Africana Studies Program.*

##### **Africana Studies Upper Division Electives (6 Credits)**

Choose *two* of the following courses (*one course must be an AFS prefix*):

AFS 303	Blacks in the American West	3
AFS 310	African Americans and U.S. Education	3
AFS 340	The Black Family	3
AFS 360	Routes of Black Music	3
	or	
MUS 363	Routes of Black Music	3
AFS 395	Aspects of the African-American Experience	3
AFS 396	African and African American World Views	3

AFS 399	Community Study Project	1-4
AFS 404	History of Blacks in Film	3
AFS 415	Black Psychology	3
AFS 422	Directed Studies	1-4
AFS 450	African American History, 1896- Present	3
AFS 456	The Black Church and Religious Traditions	3
GEOG 326	Emerging Africa: Local Resources and Livelihoods in a Global Context	3
HIST 318	Modern Africa	3
HIST 319	Revolutionary South Africa	3

*Notes: AFS 395, Aspects of the African American Experience, is a variable subtitle course that students may take more than once under different subtitles.*

*AFS 399 and AFS 422, when taken by minors, must always be taken for three semester credits.*

## AMERICAN SIGN LANGUAGE

### College of Education and Behavioral Sciences

#### MINOR REQUIREMENTS — 18-24 CREDITS

**Choose two of the following upper division courses (6 credits):**

ASL 310	Deaf Culture and Community	3
EDSE 550	Foundations of Deaf Education	3
INTR 312	Intercultural Communication	3

**Must take a minimum of 12 credits in sequence that includes INTR 101 and INTR 102:**

ASL 101	American Sign Language I	3
ASL 102	American Sign Language II	3
ASL 201	American Sign Language III	3
ASL 202	American Sign Language IV	3
INTR 101	ASL V	3
INTR 102	ASL VI	3

#### Program Notes

If a student begins the minor at ASL 101, it will require 24 credit hours versus a student beginning at ASL 201 which would be a total of 18 credit hours. Six credit hours must be upper division courses.

Up to six semester credit hours of the courses listed may be used to satisfy the Liberal Arts Curriculum.

Students completing a major in ASL-English Interpretation and a minor in ASL are exempt from the University policy that a minimum of 12 credits hours can be shared between a major and minor.

Advising with faculty advisor for the ASL minor is required before registration.

A challenge exam can be discussed with an advisor that can include retroactive ASL credit for successful demonstration of language competencies.

American Sign Language courses are conducted in ASL.

Students are encouraged to enrich their ASL language-related cultural awareness through participation in program-sponsored activities. Consult program advisor.

Students must maintain a minimum of a 'B' grade or better in those courses that count toward the minor and that are taken at UNC.

## ANTHROPOLOGY

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

The anthropology minor introduces students to the sub-fields of cultural, physical and archaeological anthropology within the context of an inquiry based curriculum. An anthropology minor complements majors in all of the social sciences, humanities and many of the natural sciences. Anthropology minors will learn skills of scientific inquiry and interpretation of issues relating to the human condition within a holistic, comparative and evolutionary context.

#### MINOR REQUIREMENTS — 18 CREDITS

**Take the following course:**

ANT 110	Introduction to Cultural Anthropology	3
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**Choose one of the following courses in consultation with advisor:**

ANT 120	World Archaeology	3
ANT 130	Introduction to Biological Anthropology	3

**Choose one of the following methods courses in consultation with advisor:**

ANT 300	Applied Anthropology	3
ANT 315	Life History and Culture	3
ANT 320	Archaeological Research Methods	3
ANT 340	Quantitative Methods for Anthropology	3
ANT 350	Field Methods in Cultural Anthropology	3

**Choose three of the following courses in consultation with advisor:**

ANT 212	North American Indians	3
ANT 233	Anthropological Linguistics	3
ANT 245	Introduction to Ethnomusicology	3
	or	
MUS 245	Introduction to Ethnomusicology	3
ANT 270	Professional Development	3
ANT 292	Culture and Conflict	3

	or		
MIND 292	Ideas in Conflict	3	
ANT 296	Study Abroad Experience	3	
ANT 313	Anthropology of Globalization	3	
ANT 314	Anthropology of Sex and Gender Diversity	3	
ANT 316	Global Conflict and Gender	3	
	or		
GNDR 316	Global Conflict and Gender	3	
ANT 317	Contemporary Native American Issues	3	
ANT 321	Archaeology of North America	3	
ANT 328	Public Archaeology	3	
ANT 325	Fieldwork in Archaeology	4	
ANT 330	Forensic Anthropology	3	
ANT 331	Anthropology and Contemporary Human Problems	3	
ANT 332	Modern Human Variation	3	
ANT 333	Anthropology of Religion	3	
ANT 335	Primate Behavior	3	
ANT 338	World Rebuilding (Paleoecology)	3	
ANT 355	Medical Anthropology	3	
ANT 395	Topics in Anthropology	3	
ANT 408	Workshop in Anthropology	3-12	
ANT 421	Prehistoric Europe	3	
ANT 422	Directed Studies	1-4	
ANT 430	Human Evolutionary Anatomy	3	
ANT 470	Seminar in Anthropology	3	
ANT 492	Internship	1-12	
ANT 408: Take 3 credits			
ANT 422: Take 3 credits			
ANT 492: Take 3 credits			

## ANTHROPOLOGY: MULTICULTURAL ANTHROPOLOGY

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

Multicultural Anthropology explores the bases of pluralism and cultural diversity in the U.S. This minor focuses on comparative concepts and issues related to multicultural behavior and group dynamics in contemporary society. The experiences of ethnic groups, social classes and the cultural context of gender and sexuality provide the base for this program.

### MINOR REQUIREMENTS — 18 CREDITS

#### Take both courses:

ANT 110	Introduction to Cultural Anthropology	3
MCS 101	Multiculturalism in the United States: Concepts and Issues	3

#### Choose one of the following methods courses:

ANT 300	Applied Anthropology	3
ANT 315	Life History and Culture	3
ANT 320	Archaeological Research Methods	3
ANT 340	Quantitative Methods for Anthropology	3
ANT 350	Field Methods in Cultural Anthropology	3

#### Choose three courses in consultation with advisor:

AFS 205	Survey of African American Literature	3
AFS 340	The Black Family	3
AFS 360	Routes of Black Music	3
AFS 396	African and African American World Views	3
ANT 212	North American Indians	3
ANT 233	Anthropological Linguistics	3
ANT 245	Introduction to Ethnomusicology	3
	or	
MUS 245	Introduction to Ethnomusicology	3
ANT 270	Professional Development	3
ANT 292	Culture and Conflict	3
	or	
MIND 292	Ideas in Conflict	3
ANT 313	Anthropology of Globalization	3
ANT 314	Anthropology of Sex and Gender Diversity	3
ANT 316	Global Conflict and Gender	3
ANT 317	Contemporary Native American Issues	3
ANT 321	Archaeology of North America	3
ANT 333	Anthropology of Religion	3
ANT 338	World Rebuilding (Paleoecology)	3
ANT 355	Medical Anthropology	3
ANT 395	Topics in Anthropology	3
ANT 408	Workshop in Anthropology	3-12
ANT 422	Directed Studies	1-4
ANT 492	Internship	1-12
GNDR 240	Gender, Race, Class, and Sexuality	3
HIST 347	United States Women's History to 1877	3
MAS 301	Mexican American Politics and Leadership	3
MAS 337	Chicana/o Literature and Theory	3
MAS 395	Topics in Gender Issues	3
PSY 467	Psychology of Prejudice	3

NOTE: Different courses to fulfill this elective requirement may be chosen with the consent of the minor advisor.

ANT 408, ANT 422, and/or ANT 492 must each be taken for 3 credits in order to count toward this requirement.

## APPLIED STATISTICS

### College of Natural and Health Sciences

#### MINOR REQUIREMENTS — 21 CREDITS

**Take all of the following courses:**

MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 350	Elementary Probability Theory	4
STAT 150	Introduction to Statistical Analysis	3

**Choose two of the following courses:**

MATH 351	Elementary Statistics Theory	3
STAT 411	Fundamentals of Data Science	3
STAT 451	Intermediate Applied Statistics	3

## ART HISTORY

### College of Performing and Visual Arts

#### MINOR REQUIREMENTS — 18 CREDITS

**First complete the following Foundation Courses:**

ART 180	Contemporary Art History	3
ART 181	Ancient Art History	3
ART 182	Medieval to Rococo Art History	3
ART 185	Neoclassic to Modern Art History	3

**Choose two upper-level Art History Courses:**

ART 483	Gender and Art	3
ART 484	Asian Art History	3
ART 487	Latin American Art	3
ART 488	Art of the Nineteenth Century	3
ART 495	Topics in Art	1-4
ART 496	Art of the Twentieth Century	3

## ART STUDIO

### College of Performing and Visual Arts

#### MINOR REQUIREMENTS — 21 CREDITS

**First complete the following Foundations Courses:**

ART 180	Contemporary Art History	3
ART 183	2D Design	3
ART 184	3D Design	3
ART 234	Drawing I	3

**Select one of the following studio art courses in consultation with a faculty advisor**

ART 210	Introduction to Ceramics	3
ART 231	Painting I	3
ART 237	Introduction to Digital Media	3
ART 250	Introduction to Printmaking	3
ART 261	Introduction to Sculpture	3
ART 271	Introduction to Photography	3

**Select two of the following studio art courses in consultation with a faculty advisor (6 credit hours)**

ART 314	Wheel Throwing	3
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ART 315	Ceramic Design	3
ART 331	Painting II	3
ART 333	Life Drawing	3
ART 334	Drawing II	3
ART 338	Digital Illustration and Storytelling	3
ART 353	Intaglio Printmaking	3
ART 358	Relief Printmaking	3
ART 362	Sculpture: Casting	3
ART 363	Sculpture: Fabrication	3
ART 374	Photography: Black & White Film	3
ART 375	Photography: Digital Capture	3
ART 410	Advanced Ceramics	3
ART 431	Painting III	3
ART 432	Advanced Painting	3
ART 433	Advanced Drawing	3
ART 437	Computer Art	3
ART 452	Advanced Printmaking	3
ART 462	Advanced Sculpture	3
ART 471	Computer Graphics	3
ART 481	Advanced Photography	3

## ASIAN STUDIES

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

This minor is designed to provide students with a broad-based interdisciplinary understanding of Asian culture through a coordinated program of studying language, history, philosophy, art, geography, or political science. The program is administered by a faculty coordinator in the Department of World Languages and Cultures. All Asian Studies Minors are required to see an advisor to work out a program of study that will meet their specific needs and interests. A minimum of 6 credits in the minor must be at the 300 or 400 level.

#### MINOR REQUIREMENTS — 22 CREDITS

**Language Proficiency — 10 credits**

**Choose either Chinese or Japanese:**

CHIN 101	Elementary Chinese I	5
CHIN 102	Elementary Chinese II	5
	or	
JAPN 101	Elementary Japanese I	5
JAPN 102	Elementary Japanese II	5

**Electives — 12 credits**

**Upper Division Electives: at least 6 credits**

Take 6 or more credits from the following course offerings:

ANT 313	Anthropology of Globalization	3
ANT 408	Workshop in Anthropology	3-12
ANT 470	Seminar in Anthropology	3
ANT 395	Topics in Anthropology	3
ASIA 392	Internship in Asian Studies	2-5



FILM 320	Special Topics in Film	3
HIST 304	Sex and Gender in East Asia	3
HIST 306	Modern China through Film	3
HIST 307	History of China to 1500	3
HIST 310	History of China Since 1500	3
HIST 311	History of Japan	3
HIST 395	Topics in History	3
PHIL 300	Topics in Philosophy	3
PSCI 319	Asian Politics	3
	Directed Study	1-4

**Additional Electives: 6 credits**

Choose additional credits as needed to bring the total number of elective credits to 12. These may be chosen from the upper division list above, or from the following list of lower division course offerings:

ASIA 116	State, Society, and Culture in Contemporary Asia	3
ASIA 216	South and Southeast Asian Literature	3
ASIA 248	Asian Musical Culture	3
CHIN 107	Conversational Chinese for Beginners	3
CHIN 116	Introduction to Chinese Civilization	3
CHIN 216	Masterpieces in Chinese Literature	3
ENG 236	Ethnic American Literature	3
ENG 262	Masterpieces of World Literature	3
GEOG 218	Emerging Asia	3
GNDR 285	Gender in the Contemporary Global Order	3
HIST 112	Asian Civilization I: From Prehistory to 1500	3
HIST 113	Asian Civilizations II: From 1500 to the Present	3
JAPN 116	Contemporary Japan	3
MIND 181	Great Traditions of Asia: India, China and Japan	3
MUS 248	Asian Musical Culture	3
PHIL 126	Introduction to Global Philosophies	3
PHIL 246	Early Chinese Philosophy	3

Elective courses must be taken in at least two different prefixes.

**The following courses have prerequisites not included in the minor.**

Students must complete pre-requisites as part of their major, university wide electives, or LAC credits in order to take these courses as part of the Asian Studies minor.

ANT 395	Topics in Anthropology	3
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**The following variable topic courses appearing on the lists above must be relevant to Asian Studies to count toward the minor.**

Students *must* receive approval from their minor advisor prior to registration in order to apply these courses to the Asian Studies minor:

ANT 395	Topics in Anthropology	3
ANT 408	Workshop in Anthropology	3-12
ANT 470	Seminar in Anthropology	3
ASIA 392	Internship in Asian Studies	2- 5
ENG 236	Ethnic American Literature	3
ENG 262	Masterpieces of World Literature	3
FILM 320	Special Topics in Film	3
HIST 395	Topics in History	3
PHIL 300	Topics in Philosophy	3

**Program Notes**

Directed Study projects and special courses must be approved by the minor advisor. These projects may be taken in any of the following departments: Anthropology, Art, Business, Economics, English, World Languages and Cultures, Geography, History, Philosophy, Political Science, Sociology, Mind/Honors.

Students must maintain a grade point average of 2.0 or higher in those courses that count toward the minor.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## BIOLOGICAL SCIENCES

### College of Natural and Health Sciences

#### MINOR REQUIREMENTS — 20 CREDITS

**Take all of the following courses:**

BIO 110	Biology: Atoms to Cells	4
BIO 111	Biology: Organisms to Ecosystems	4

**Take 12 credits minimum:**

Choose at least 12 semester credits from BIO courses numbered 200 or greater. At least 6 of these semester credits must be from upper division BIO courses numbered 300 or greater (consult faculty advisor on selection to help match career goals).

- Students cannot receive credit toward the minor for both classes in any of the following three pairs:
  - BIO 245 and BIO 341
  - BIO 246 and BIO 350
  - BIO 251 and BIO 351.
- No credit toward the minor will be given for:
  - BIO 365, BIO 492, or BIO 493.
- No more than 1 credit toward the minor will be given for BIO 491.
- One credit of either BIO 422 or BIO 494 can count toward the minor.
- A 2.0 grade average must be earned for courses used to meet minor requirements.

**Program Notes**

Upper division BIO courses may have CHEM or BIO prerequisites in addition to BIO 110 and BIO 111. This information can be found with the individual course listings.

## BREWING LABORATORY SCIENCE

#### PROGRAM OVERVIEW

### College of Natural and Health Sciences

The Brewing Laboratory Science minor is designed for students who wish to obtain an understanding of beer brewing at the microbrewery or industrial scale or for those interested in a career in the beer brewing industry. Students will obtain broad exposure to the diversity of brewing science and focus on the application of theoretical knowledge to the analysis of beer and its components. Significant laboratory work in the minor provides a strong background in the American Society of Brewing Chemist methods of beer analysis.

Students must obtain a "C-" or better in all courses that count for the minor. A strong background in science (biology, chemistry, and physics) is recommended prior to taking courses in brewing science.

## MINOR REQUIREMENTS — 18 CREDITS

**Required Courses – 9 hours**

BREW 370	Introduction to Brewing Science	3
BREW 470	Practical Brewing Science	3
BREW 479	Advanced Brewing Science	3

**Elective Courses – 9 hours**

ART 270	Graphic Design I	3
ART 370	Graphic Design II	3
BAMG 350	Management and Organizational Behavior	3
BAMG 355	Fundamentals of Entrepreneurship	3
BAMK 360	Marketing	3
BAMK 368	Marketing Analysis and Research	3
BIO 110	Biology: Atoms to Cells	4
BIO 210	Cell Biology	3
BIO 351	Microbiology	4
CHEM 111	Principles of Chemistry I	4
CHEM 111L	Laboratory	1
CHEM 231	Principles of Organic Chemistry	3
CHEM 321	Chemical Analysis	4
CHEM 381	Principles of Biochemistry	3
CHEM 381L	Principles of Biochemistry Lab	1
CHEM 422	Directed Studies	1-3
FND 250	Principles of Nutrition	3
FND 310	Introduction to Foods	2
FND 310L	Introduction to Foods Laboratory	2
RTH 206	Commercial Recreation, Tourism and Hospitality	3
RTH 394	Practicum in Recreation, Tourism and Hospitality	3
RTH 452	Management of Tourism and Hospitality Services	3
BREW 170	Fundamentals of Brewing Science	3
BREW 170L	Fundamentals of Brewing Science Laboratory	1
BREW 320	Sensory Analysis of Beer	1
BREW 471	Fermentation in Brewing	3
BREW 492	Internship	1-9
BREW 495	Special Topics in Brewing Laboratory Science	1-3

Note: Up to 3 credit hours of coursework can be shared between the declared major(s) and the Brewing Laboratory Science Minor.

Students interested in an internship in brewing laboratory science should consult with the program advisor. Students who complete the Brewing Laboratory Science Required Courses with a "B" or better (a "B-" is not sufficient) may apply to the program advisor for a Certificate in Brewing Laboratory Science instead of the minor.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## BUSINESS ADMINISTRATION

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

The Business Administration minor is designed for students who have a major in another school or college but wish to pursue a collateral area in Business Administration.

Completion of the minor provides broad exposure to the functional areas in Business Administration. These include accounting, computer information systems, finance, management and marketing. The minor is not open to students who major in Business Administration.

A student who wishes to add or change to a Business Administration Minor must have a cumulative GPA of 2.5 on at least 15 credit hours and obtain written approval from the Monfort College of Business Advising Center. Students who have completed 15 or more credit hours and have a cumulative GPA between 2.25 and 2.49 may apply for admission to the Business Administration minor with the Monfort College of Business Advising Center, Kepner 1095.

### MINOR REQUIREMENTS — 21 CREDITS

#### Take all of the following courses:

BACS 101	Business Computing	3
BAAC 301	Survey of Accounting	3
BACS 300	Information Systems	3
BAFN 302	Essentials of Business Finance	3
BAMG 350	Management and Organizational Behavior	3
BAMK 360	Marketing	3
ECON 205	Principles of Microeconomics	3

ECON 205 counts toward the LAC Social & Behavioral Sciences

#### Program Notes

Students may transfer a maximum of 6 semester credits (courses with a "BA" prefix) toward the minor from other institutions.

To graduate with a Business Administration Minor, a student must maintain a cumulative grade point average of 2.0 or higher in the courses that count towards the minor and earn at least a "C-" grade in each of the individual BA prefix courses.

BAAC 301 and BAFN 302 will not count toward a business major.

Sport and Exercise Science B.S. – Sport Administration Concentration students are exempt from our business minor admission requirements and may declare minor at any point.

## CHEMISTRY: LIBERAL ARTS

### College of Natural and Health Sciences

### MINOR REQUIREMENTS — 21 CREDITS

#### Take all of the following courses:

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1

#### Choose 11 credits from the following courses:

CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 360	Environmental Chemistry	2
CHEM 381	Principles of Biochemistry	3
CHEM 381L	Principles of Biochemistry Lab	1
CHEM 425	Forensic Chemistry	4
CHEM 441	Inorganic Chemistry I	3
CHEM 442	Inorganic Chemistry II	3
CHEM 481	General Biochemistry I	3
CHEM 481L	Experimental Biochemistry I	1

#### Program Notes

Students earning a minor in chemistry must earn a grade of "C" or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the minor.

Neither CHEM 422 nor CHEM 499 (research and seminar) may be used to satisfy the requirements for the Chemistry Minor.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**CHEMISTRY: TEACHING****College of Natural and Health Sciences****MINOR REQUIREMENTS — 21 CREDITS****Take all of the following courses:**

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CHEM 112	Principles of Chemistry II	4
CHEM 112L	Principles of Chemistry II Laboratory	1
SCED 440	Strategies in Teaching Secondary Science	1

**Take ten credits from the following courses:**

CHEM 321	Chemical Analysis	4
CHEM 331	Organic Chemistry I	4
CHEM 331L	Organic Chemistry I Laboratory	1
CHEM 332	Organic Chemistry II	4
CHEM 332L	Organic Chemistry II Laboratory	1
CHEM 360	Environmental Chemistry	2
CHEM 381	Principles of Biochemistry	3
CHEM 381L	Principles of Biochemistry Lab	1
CHEM 425	Forensic Chemistry	4
CHEM 441	Inorganic Chemistry I	3
CHEM 442	Inorganic Chemistry II	3
CHEM 481	General Biochemistry I	3
CHEM 481L	Experimental Biochemistry I	1

**Program Notes**

Students earning a minor in chemistry must earn a grade of “C” or better (C- is not acceptable) in all courses having a CHEM prefix which count toward the minor.

Neither CHEM 422 nor CHEM 499 (research and seminar) may be used to satisfy the requirements for the Chemistry Minor.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

State licensure regulations require a minimum of 24 semester credits distributed in appropriate science subject areas to teach any secondary science if someone is licensed in another subject area. Credits required in this minor will apply toward this requirement. See advisor for other courses to meet requirement. This minor does not lead to teacher licensure.

**CHINESE****PROGRAM OVERVIEW****College of Humanities and Social Sciences**

The Chinese Minor introduces students to Chinese culture and civilization, and provides students the means to develop intermediate spoken and written proficiency in Chinese language. Students completing this degree will be prepared to being work, travel, or advance to further study in Chinese.

**MINOR REQUIREMENTS — 18 CREDITS****Take all of the following courses:**

CHIN 116	Introduction to Chinese Civilization	3
CHIN 201	Intermediate Chinese I	3
CHIN 202	Intermediate Chinese II	3
CHIN 407	Chinese for Oral Proficiency	3

**Choose six credits from the following courses:**

CHIN 301	China and the Chinese	3
CHIN 302	China and the Chinese II	3
CHIN 311	Introduction to Literary Chinese	3
CHIN 313	Chinese Cinema	3
CHIN 395	Topics in Modern China	3
CHIN 422	Directed Studies	1-4
CHIN 450	Modern Chinese Literature	3
CHIN 495	Topics in Traditional China	3
WLC 395	Special Topics	1-4

**Program Notes**

Coursework for the Chinese minor assumes a proficiency level in Mandarin equivalent to CHIN 102 which can be accomplished through prior coursework or a proficiency test. All language courses to be counted toward the Chinese Minor must be beyond the first year level.

Variable topic courses may be taken for credit toward the Chinese Minor only when approved for credit by the student’s faculty advisor in Chinese.

Courses with CHIN prefix are conducted in Chinese unless otherwise noted in course descriptions.

Students are encouraged to enrich their Chinese language-related cultural awareness through regular participation in program-sponsored activities. Consult department advisor. Student must maintain a minimum grade point average of 2.5 in those courses that count toward the minor and that are taken at UNC.

Advising with a faculty advisor for the Chinese minor is suggested before registration.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## COMMUNICATION SCIENCES AND DISORDERS

### PROGRAM OVERVIEW

College of Natural and Health Sciences

The minor in Communication Sciences and Disorders is designed for students who are interested in all aspects of human and animal sound production and perception related to communication. Students will find this program can be tailored to complement various areas with the option of selecting courses in acoustics, anatomy and physiology, linguistics, and speech-language and hearing development and disorders.

**Note:** The minor in Communication Sciences and Disorders does not lead to licensure or certification that would permit practice in either Speech-Language Pathology or Audiology. Students earning a minor in Communication Sciences and Disorders must obtain a final grade of C- or better in all courses counting toward the minor.

### MINOR REQUIREMENTS — 18-20 CREDITS

#### Take all of the following courses:

CSD 160	Introduction to Human Communication and Its Disorders	3
CSD 220	Musical Acoustics and Health Issues	3

#### Choose 12-14 credits from the following courses:

CSD 260	Introduction to Phonetics	3
CSD 266	Normal Speech and Language Development	3
CSD 267	Anatomy and Physiology of the Speech and Hearing Mechanism	4
CSD 343	Fundamentals of Physiological and Biological Acoustics	2
CSD 360	Articulation and Voice Disorders	3
CSD 365	Language Disorders in Children	3
CSD 370	Basic Audiology	4
CSD 431	Organically-Based Communication Disorders	3
CSD 478	Aural Rehabilitation and Amplification	3
CSD 487	Advanced Audiology	3
CSD 596	Comparative Hearing and Vocal Mechanisms	3

### Program Notes

A minimum of 6 upper division credits (300-500 level) in the minor must be earned from UNC.

## COMMUNICATION STUDIES

### College of Humanities and Social Sciences

### MINOR REQUIREMENTS — 18 CREDITS

#### Take all of the following courses:

COMM 100	Basics of Public Speaking	3
COMM 102	Introduction to Communication	3

#### Choose one course from each category (12 credits total):

##### Interpersonal Communication

COMM 220	Cultivating Relationships	3
COMM 223	Intercultural Communication	3
COMM 324	Family Communication	3

##### Small Group and Organizational Communication

COMM 330	Small Group Communication	3
COMM 331	Organizational Communication	3
COMM 431	Communication and Leadership	3

##### Communication and Influence

COMM 211	Winning Arguments	3
COMM 341	Courtroom Communication	3
COMM 343	The Art of Persuasion	3

##### Communication Studies

Three hours of courses with the COMM prefix or JMS 490.

### Program Notes

Students are encouraged to design their program to facilitate enhancement of their communicative skills and broaden their understanding of communication content in preparation for their professional career. A minimum of 6 semester credits in electives must be in 300 or 400 level courses.

A minor should be declared no later than the junior year to facilitate graduating on schedule.

## COMPUTER INFORMATION SYSTEMS

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

The Computer Information Systems minor is designed for students who wish to pursue collateral work in the computing, technology and communications/networking areas. Completion of the minor prepares a student to successfully employ technology and integrate information systems into their career activities. The CIS minor is attractive to students majoring in other areas of Business Administration as well as to majors from other schools and colleges. It complements their work in these other areas. The program is not designed to prepare individuals to become programmers or systems personnel, but does provide a broad exposure to the area of corporate information systems.

### MINOR REQUIREMENTS — 18 CREDITS

#### Take all of the following courses:

BACS 287	Fundamentals of Programming	3
BACS 380	Networking and Data Communications Systems	3
BACS 485	Database Management Systems	3

#### Choose 9 credits from the following courses:

BACS 350	Intermediate Web Development	3
BACS 371	Introduction to Computer Forensics	3
BACS 382	Information Security	3
BACS 387	Object Oriented Systems Development	3
BACS 392	Systems Platforms and Network Development	3
BACS 487	Systems Analysis and Design	3
BACS 495	Special Topics in CIS	1-3

#### Program Notes

Admission to the minor requires that a business major be in academic good standing in both the Monfort College of Business and the University of Northern Colorado. A non business major who wishes to add or change to a Computer Information Systems minor must have a cumulative GPA of 2.5 on at least 15 credit hours and obtain written approval from the Department of Accounting and Computer Information Systems, Monfort College of Business, Kepner 2090. Nonbusiness majors who have a GPA between 2.25 and 2.49 may apply for admission from the Department of Accounting and Computer Information Systems, Monfort College of Business, Kepner 2090.

See "Course Prerequisites" & "Computing Proficiency" under Business Requirements (p. 92).

BACS 495, Special Topics in CIS, may be used to fulfill minor requirements. It may not exceed 3 semester credits.

Students may transfer a maximum of 6 semester credits with a "BA" prefix toward the minor from other institutions.

To graduate with a Computer Information Systems minor, a student must attain a 2.0 or greater cumulative business GPA and attain at least a "C-" grade in each individual course required for the Computer Information Systems minor.

## COMPUTER SCIENCE

### College of Natural and Health Sciences

### MINOR REQUIREMENTS — 18 CREDITS

#### Take all of the following courses:

CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
CS 200	Object-Oriented Analysis, Design, and Programming	3
CS 301	Algorithms and Data Structures	3

#### Choose six credits from the following:

CS 302	Programming Languages	3
CS 350	Software Engineering I	3
CS 395	Special Topics in Computer Science	1-3
CS 440	Operating Systems	3
CS 442	Networking	3
CS 454	Data Mining and Machine Learning	3
CS 456	Neural Networks and Deep Learning	3
MATH 375	Elementary Numerical Analysis	3

## CRIMINOLOGY AND CRIMINAL JUSTICE

### College of Humanities and Social Sciences

### MINOR REQUIREMENTS — 18 CREDITS

#### Take the following courses:

CRJ 110	Introduction to Criminal Justice	3
CRJ 160	Introduction to Crime Theories	3

#### Choose one from the following 200-level courses:

CRJ 220	Policing Systems	3
CRJ 230	Judicial Process	3
CRJ 240	Correctional Systems	3

#### Choose three from the following 300 and 400 level courses:

CRJ 310	White Collar Crime	3
CRJ 312	Crime Prevention	3
CRJ 317	Cybercrime	3
CRJ 324	Crime Mapping	3
CRJ 335	Juvenile Justice	3
CRJ 350	Victim Studies	3

CRJ 352	Domestic Violence Victims & Offenders	3
CRJ 354	Restorative Justice	3
CRJ 360	Theories of Crime	3
CRJ 362	Criminal Behavior Analysis	3
CRJ 380	Research Methods in Criminal Justice	3
CRJ 395	Topics in Criminal Justice	1-3
CRJ 408	Workshop	1-3
CRJ 415	Homeland Security	3
CRJ 417	Terrorism in the 21st Century	3
CRJ 470	Justice Professionalism and Ethics	3
CRJ 475	Race/Ethnicity, Gender, and Social Class in Criminal Justice	3
CRJ 492	Internship	1-9

CRJ 492: Take 3 credits

### Program Notes

A maximum of 9 credits may be transferred for the minor from other institutions. At least 9 credits of the minor must be 300-400-level courses. No more than 3 credits each of CRJ 395, CRJ 408, and CRJ 492 may be counted for this minor.

Students earning a minor in Criminology and Criminal Justice must earn a grade of "C" or better (C- is not acceptable) in all courses which count toward the minor.

Time Limitation on Credit Earned Toward a Minor in Criminology and Criminal Justice: Coursework completed by a student within the preceding 10 years may apply as credit toward a minor in Criminology and Criminal Justice. Coursework taken before the 10-year limit may be reviewed by the department chair and college dean to determine its appropriateness to the minor requirements.

## DANCE

### College of Performing and Visual Arts

#### MINOR REQUIREMENTS — 24-25 CREDITS

##### Take all of the following courses for 21 credits:

DNCE 172	Foundations of Hip Hop	2
DNCE 175	Tap Dance I	2
DNCE 180	Ballet II	3
DNCE 181	Jazz Dance II	3
DNCE 182	Modern Dance II	3
DNCE 296	Choreography and Improvisation I	3
DNCE 397	Choreography and Improvisation II	3
DNCE 459	Dance Production in High School and College	2

##### Choose from 1-2 of the following courses for 3 or more credits:

DNCE 167	Ballroom Dance I	2
DNCE 183	Tap Dance II	2

DNCE 280	Ballet III	3
DNCE 281	Jazz Dance III	3
DNCE 355	Dance Performance II	3
MT 370	Musical Theatre Dance	3
THEA 160	Acting Methods	3

THEA 160: Must be taken for 3 credits

### Program Notes

The dance minor focuses on the development of skills and teaching strategies that will enhance the student's ability to teach or work with dance in a variety of settings.

The Dance minor can be selected by students in conjunction with most other majors at the University. Approval by the major program is required for this minor.

If a student wishes to teach in the public schools, licensure must be obtained through the appropriate major. Suggested combinations of programs of study for public school teacher licensure are a Dance Minor with a Theatre Arts Education major or a Dance Minor plus a Physical Education major. At present there is no public school licensure for dance in Colorado's public schools.

A grade of "B" or better must be achieved in a technique class in order to progress to the next level. Technique classes at UNC include all levels of Jazz, Ballet, Modern, Tap, and Ballroom.

To complete a minor in Dance, a student is not required to earn upper-division credits (300-400) in the minor.

## DIGITAL MARKETING

### PROGRAM OVERVIEW

#### Kenneth W. Monfort College of Business

The Digital Marketing minor is for students interested in acquiring the latest knowledge, skills, and tools in areas of digital marketing such as e-commerce, user experience design, basic web development, social media management, digital advertising, search engine marketing, and content creation.

A student who wishes to add or change to a Digital Marketing Minor must have a cumulative GPA of at least 2.5 on at least 15 credit hours and obtain written approval from the Monfort College of Business Marketing Department. Students who have completed 15 or more credit hours and have a cumulative GPA between 2.25 and 2.49+ may apply for admission to the Digital Marketing minor with the Monfort College of Business Marketing Department, Kepner 1055.

#### MINOR REQUIREMENTS — 21 CREDITS

Complete 21 Credit Hours from the courses listed below.

**Minor Core — 9 credits**

BACS 200	Web Design and Development for Small Business	3
BAMK 360	Marketing	3
BAMK 371	Digital Marketing	3

**Minor Electives — 12 credits**

Select any 4 courses.

ART 469	Interactive Design or	3
ART 473	Brand Identity Design	3
BACS 383	Designing User Experiences	3
BAMK 365	Advertising and Promotion	3
BAMK 366	Omni Channel Retail	3
BAMK 444	Web and Digital Ad Analytics	3
BAMK 478	Social Media Marketing or	3
JMS 415	Social Media Campaigns	3
BAMK 494	Seminar in Digital Marketing	3

Student may take either ART 469 or ART 473, not both.

Student may take either BAMK 478 or JMS 415, not both.

BAMK 494 is repeatable under different subtitles for a maximum of 9 credit hours.

**Program Notes**

Students may transfer a maximum of 6 semester credits toward the minor from other institutions.

To graduate with a Digital Marketing Minor, a student must maintain a cumulative grade point average of 2.0 or higher in the courses that count towards the minor and earn at least a "C-" grade in each of the individual courses.

**EARLY CHILDHOOD EDUCATION**

**PROGRAM OVERVIEW**

**College of Education and Behavioral Sciences**

This minor allows students to add a focus on the development of young children to any major program. Students enrolled in the early childhood minor have access to select coursework within the early childhood education program that focuses on working with children and families.

**MINOR REQUIREMENTS — 18 CREDITS**

**Take all of the following courses:**

EDEC 101	Introduction to Early Childhood Education	3
EDEC 103	Guidance Strategies and Trauma Informed Practices for Children	3
EDEC 104	Child Development in Context	3
EDEC 220	Curriculum Development: Methods and Techniques	3

EDEC 450	Family Diversity and Engagement Early Childhood Education	3
ECLD 350	Teaching Young Bilingual Children	3

**EARTH SCIENCES**

**College of Natural and Health Sciences**

**MINOR REQUIREMENTS — 20 CREDITS**

**Choose 20 credits from the following:**

Courses with AST, ESCI, GEOL, MET and OCN prefixes may be used for the minor and must be selected in consultation with the minor advisor. No more than 8 semester credits of courses numbered between 100 and 199 may be counted for the minor.

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**ECONOMICS**

**College of Humanities and Social Sciences**

**MINOR REQUIREMENTS — 18 CREDITS**

**Take all of the following courses:**

ECON 203	Principles of Macroeconomics	3
ECON 205	Principles of Microeconomics	3

**Choose one of the following courses:**

ECON 303	Intermediate Macroeconomics	3
ECON 305	Intermediate Microeconomics	3

**Choose nine semester credits from the following:**

All 300-400 level ECON prefix courses

**Program Notes**

Students who desire a strong theoretical background are encouraged to take both ECON 303 and ECON 305.

**ELEMENTARY EDUCATION**

**College of Education and Behavioral Sciences**

**MINOR REQUIREMENTS — 18 CREDITS**

**Take all of the following courses:**

EDEL 360	Teaching Foundational Reading Skills	3
EDF 290	Foundations of Education	3
EDSE 201	Culture of Special Education	3
PSY 347	Educational Psychology for Elementary Teachers	3



**Choose six credits from the following:**

Students may select any courses at the 300 or 400 level with any prefix that begins with ED.

**ENGLISH****College of Humanities and Social Sciences****MINOR REQUIREMENTS — 18 CREDITS****Required Minor — 3 credits**

ENG 195	Introduction to the Discipline of English	3
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**Elective Minor Credits — 15 credits**

6 credits 200 level and above ENG, HUM, or FILM courses and:

One course from each category below. Note: At least 6 credits must be at the 300 level and above.

**Category A (British Literature)**

ENG 380	Medieval Literature	3
ENG 381	Renaissance Literature	3
ENG 382	Restoration and Eighteenth-Century Literature	3
ENG 383	Romanticism	3
ENG 384	Victorian Literature and Culture	3
ENG 385	Twentieth-Century and Contemporary Literature	3

**Category B (American Literature)**

ENG 370	Colonial American Literature, 1492-1800	3
ENG 371	Antebellum American Literature, 1800-1865	3
ENG 372	American Realism and the Making of America	3
ENG 373	American Modernism and the Crisis of Representation	3
ENG 374	American Diaspora and Globalization	3
ENG 376	Multiethnic Literatures of the Americas	3

**Category C (World Literature)**

ENG 205	World Folklore and Fairy Tales	3
ENG 262	Masterpieces of World Literature	3
ENG 263	Western World Literature I	3
ENG 264	Western World Literature II	3
ENG 325	Studies in Fantasy and Science Fiction	3
ENG 375	Literature and the Environment	3

**ETHICS, SOCIAL AND POLITICAL PHILOSOPHY****PROGRAM OVERVIEW****College of Humanities and Social Sciences**

The Ethics, Social and Political Philosophy minor is designed for students who wish to explore the ethical and social/political significance of their lived experience, or to complement their major area of study through an interdisciplinary exploration of the relationship between theory and practice. Students in this minor begin with an introduction to theoretical and practical ethics and political theory before proceeding to more specialized courses that examine specific social, political, or ethical issues. All Ethics, Social and Political Philosophy minors are encouraged to meet with a minor advisor to develop a program of study that will meet their specific needs and interests.

**MINOR REQUIREMENTS — 18 CREDITS****Ethical Foundations — 6 Credits**

Take all of the following courses:

PHIL 150	Moral Issues	3
PHIL 350	Ethical Theory	3

**Social/Political Theory — 3 Credits**

Choose at least one of the following courses:

PHIL 355	Social and Political Philosophy	3
PHIL 360	Feminist Theories	3
	or	
GNDR 350	Feminist Theories	3

**Applied Philosophy — 3 Credits**

Choose at least one of the following courses:

PHIL 311	Environmental Ethics	3
PHIL 365	Topics in Value Theory and Public Policy	3
PHIL 366	Philosophy of Law	3

**Interdisciplinary Electives — 6 Credits**

Choose additional courses from list this below to bring the total hours in the minor to 18 credits

AFS 101	Development of Black Identity	3
AFS 102	The Black Woman in America	3
AFS 240	Dynamics of Racism	3
ANT 314	Anthropology of Sex and Gender Diversity	3
ANT 317	Contemporary Native American Issues	3
ENST 100	Introduction to Environmental Studies	3
ENST 205	Environment, Politics and Law	3
GNDR 101	Gender and Society	3
GNDR 240	Gender, Race, Class, and Sexuality	3

	or	
SOC 240	Gender, Race, Class, and Sexuality	3
MAS 380	US Mexico Immigration	3
MIND 286	Value Issues in Political Economy	3
PHIL 250	Medical Ethics	3
PHIL 311	Environmental Ethics	3
PHIL 355	Social and Political Philosophy	3
PHIL 360	Feminist Theories	3
PHIL 365	Topics in Value Theory and Public Policy	3
PHIL 366	Philosophy of Law	3
PHIL 372	Philosophy of Race	3
PSCI 303	Public Policy in the United States	3
PSCI 306	Constitutional Law	3
PSCI 309	American Political Development	3
PSCI 331	Political Philosophy I	3
PSCI 332	Political Philosophy II	3
PSCI 335	American Political Thought	3
SOC 170	Social Problems	3
SOC 247	Social Deviance	3
SOC 444	Sociology of Law	3
SOC 448	Issues in Social Policy	3

**Program Notes**

*Notes on Electives:*

- Students may elect to take two or more courses listed under Social/Political Theory and Applied Philosophy. In that case, no interdisciplinary coursework is needed.
- PHIL 365 is a variable title course and may be repeated for credit under different subtitles. Each specific subtitle counts separately for credit toward the minor.

*Other Notes:*

- Specific sections of PHIL 225, PHIL 300, PHIL 422, PHIL 492, PHIL 495 and MIND 288 may be used as electives with the minor advisor's approval (a substitution form is required). Students should consult with their minor advisor before registering.
- A maximum of 12 credit hours may be shared between a major and minor.

**FILM STUDIES**

**PROGRAM OVERVIEW**

*This program is not currently accepting applications for admission.*

**College of Humanities and Social Sciences**

The Film Studies minor offers courses in film history, theory, and criticism and is designed for students who wish to study the political, cultural, and social significance of the art form. In this interdisciplinary program students will begin with an introduction to film before proceeding to specialized courses that examine both western and non-

western cinema from distinct aesthetic, cultural, historical and theoretical perspectives.

**MINOR REQUIREMENTS — 21 CREDITS**

**Take all of the following courses:**

FILM 120	Introduction to Film	3
FILM 210	History of Film I	3
	or	
FILM 211	History of Film II	3
FILM 310	Film Theory and Criticism	3
FILM 320	Special Topics in Film	3
FILM 330	Studies in a Genre or Director	3

**Choose six credits of minor electives:**

**Take any of the following courses:**

ENG 243	Creative Writing: Screenwriting	3
FILM 210	History of Film I	3
	or	
FILM 211	History of Film II	3
FILM 230	Introduction to Filmmaking	3
FILM 320	Special Topics in Film	3
FILM 330	Studies in a Genre or Director	3
FILM 350	Advanced Filmmaking	3
Film 379	Film and Literature	3
JMS 390	Impact of Mass Media on Society	3
PSCI 350	Politics and Film	3
THEA 225	Theatre in Film	3

A second History of Film course (FILM 210 or FILM 211) not used in the requirements may be taken for elective credit.

FILM 320 and FILM 330 are variable title courses which may be repeated under different subtitles (topics) for elective credit.

**Other courses may be used if pre-approved by the Film Studies Director**

Courses must exhibit a significant focus in film studies to be considered and must be approved by the Film Studies Director in advance. Courses that sometimes receive approval as Film Minor electives include but are not limited to:

ENG 495	Advanced Cultural Studies	3
JMS 495	Special Topics	1-3
AFS 395	Aspects of the African-American Experience	3
HON 200	Honors Connections Seminar II	3

**Program Notes**

Students must maintain a grade point average of 2.0 or higher in those courses that count toward the minor.

## GENDER STUDIES

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

The Gender Studies program (GNDR) offers interdisciplinary courses that explore the making and meaning of gender - femininity and masculinity - across cultures and social formations, past and present. The purpose of the UNC Gender Studies program is to enable participants, as students and lifelong learners, to investigate gender issues through interdisciplinary approaches. We examine various ways in which race/ethnicity, class, sexuality, nationality, age, and ability affect how cultures create structures of gender, power, and inequality. The program equips participants to understand complexities of identity in the ever-changing context of their personal, political, and social lives. Gender influences human options, conditions, and experiences. Legal, political, economic, cultural, and kinship systems are all profoundly gendered. Deep understanding of gender patterns, dynamics, and biases can enhance the accuracy and scope of work in many fields and gender awareness benefits individuals, communities, and organizations. Our professors are collectively engaged in original, cutting-edge research which they often discuss in class. This makes any course you take well worth it.

### MINOR REQUIREMENTS — 18 CREDITS

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#### Take all of the following courses:

GNDR 240	Gender, Race, Class, and Sexuality	3
GNDR 285	Gender in the Contemporary Global Order	3
GNDR 350	Feminist Theories	3

#### Choose 3-9 credits from the following courses:

Courses should be chosen from among the following and other courses approved by the Gender Studies Committee:

GNDR 300	History of Feminism	3
GNDR 316	Global Conflict and Gender	3
GNDR 320	Gender in Popular Culture	3
GNDR 330	Interrogating Marriage	3
GNDR 372	Bodies and Power	3
GNDR 380	Queer Studies	3
GNDR 395	Topics in Gender Studies	3
GNDR 414	Masculinities	3
GNDR 422	Directed Studies	1-3
GNDR 492	Internship	3-6

#### Choose the remaining credits (up to 6 hours) from the following courses:

GNDR 101	Gender and Society	3
AFS 102	The Black Woman in America	3
ANT 314	Anthropology of Sex and Gender Diversity	3
ECON 304	Economics of Gender	3

HIST 347	United States Women's History to 1877	3
HIST 348	United States Women's History Since 1877	3
HIST 391	Gender and Difference in Pre- Modern Europe	3
HIST 392	Sex and Gender in Modern Europe	3
HUM 231	Images of Gender in Literature and the Arts	3
MAS 395	Topics in Gender Issues	3
NURS 200	Women's Health	3
PSCI 207	Women and Politics	3
SOC 221	Sociology of Gender	3
SOC 304	Sociology of Sex Trafficking & Sex Work	3
SOC 423	Violence and the Family	3

#### Program Notes

In all cases, a student's program in Gender Studies will be developed individually with each student by the coordinator or other members of the Gender Studies faculty. Each student's program must include at least 6 hours of coursework at the 300-400 level.

Each student should register with the coordinator to receive bulletins about general meetings, special programs scheduled and new courses approved by the Gender Studies Committee.

## GEOGRAPHIC INFORMATION SCIENCE (GIS)

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### PROGRAM OVERVIEW

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#### College of Humanities and Social Sciences

One of the fastest growing areas in geography is the use of geographic information sciences (GIS) to generate maps and store map-related information. GIS is a system of computer hardware and software that stores, displays, analyzes, and maps geographic information. Geographers, planners, land developers, real estate agents, market analysts, utility companies, and municipal officials all use these systems. The GIS minor complements majors in all of the social sciences, humanities, and many of the natural sciences.

### MINOR REQUIREMENTS — 18 CREDITS

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#### Choose six credits from the following courses:

GEOG 210	Introduction to GIS and GPS	3
GEOG 302	Cartography	3
GEOG 307	Geographic Information Science	3

#### Choose twelve credits from the following elective courses:

GEOG 185	Introduction to Drones	3
GEOG 285	Earth from Above	3
GEOG 302	Cartography	3
GEOG 307	Geographic Information Science	3

GEOG 324	Crime Mapping	3
GEOG 327	Fundamentals of Geospatial Programming	3
GEOG 375	Quantitative Techniques in Geography	3
GEOG 412	Web Mapping	3
GEOG 449	Remote Sensing of the Environment	3
GEOG 470	Urban GIS	3
GEOG 485	Advanced Geographic Techniques: Topics	1-3

**Program Notes**

1. GEOG 302 and/or GEOG 307 cannot be used to satisfy both the six credit requirement and the 12 credit requirement.
2. GEOG 485 is repeatable under different titles, so multiple completions can be used to satisfy this requirement, provided that it is taken for 3 credits each time.
3. With advisor approval, 1 relevant computer-science course or course incorporating GIS from another discipline may be substituted for any of the elective courses above. A list of acceptable substitute courses is maintained by the Department of Geography, GIS & Sustainability.

**GEOGRAPHY**

**College of Humanities and Social Sciences**

**MINOR REQUIREMENTS — 18 CREDITS**

Choose 18 credits of GEOG courses, at least 6 credits of which must be at the 300 level or higher.

**GLOBAL BUSINESS**

**PROGRAM OVERVIEW**

**Kenneth W. Monfort College of Business**

The Global Business Minor is designed for students who have a major in Business Administration and wish to pursue an additional area of study in global business. Completion of the minor provides broad exposure to the global areas of business administration. These include at a minimum finance, economics, management, and marketing. The minor is only open to students who major in Business Administration.

Admission to the minor requires that a business major be in academic good standing in both the Monfort College of Business and the University of Northern Colorado.

Students are expected to complete the prerequisites for all courses in the minor. The prerequisites are also part of the

Liberal Arts Curriculum program and can be included in LAC preparation.

**MINOR REQUIREMENTS — 22 CREDITS**

**Students must take 6 credit hours of foreign language.**

**Take all of the following courses:**

BA 415	International Experience/Study Abroad	1
BAFN 375	Multinational Financial Management	3
BAMG 458	International Management	3
BAMK 464	Global Marketing Strategies	3
GEOG 100	World Geography	3

**Choose one of the following courses:**

ECON 344	International Economics	3
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**Program Notes**

To graduate with a Global Business Minor, a student must attain a 2.0 or greater cumulative business GPA and attain at least a "C-" grade in each individual course required for the Global Business Minor.

**HISTORY**

**College of Humanities and Social Sciences**

**MINOR REQUIREMENTS — 18 CREDITS**

Choose 18 credits from HIST-prefix courses.

*Note: No more than 9 semester hours may be at the 100 level and no less than 6 semester hours must be at the 300 level or above.*

**Program Notes**

History minors must obtain a grade of "C" or better (C- is not acceptable) in all history courses taken at UNC. Minors receiving a grade of "C-" or lower in a history course must retake the course, or an equivalent approved by the academic advisor, and receive a grade of "C" or better (C- is not acceptable) to have the course counted toward the minor.

It is recommended that at least one course should be drawn from the fields of Latin American, African or Asian history.

Students are encouraged to select electives with the advice and approval from their advisors.

## HUMAN SERVICES

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### College of Natural and Health Sciences

#### MINOR REQUIREMENTS — 18 CREDITS

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##### Take both of the following courses:

HUSR 205	Introduction to Human Services	3
HUSR 300	Human Services Helping Skills	3

##### Elective Credits

Choose twelve credits of any 300- or 400-level Human Services courses.

## JAPANESE

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#### PROGRAM OVERVIEW

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### College of Humanities and Social Sciences

The Minor in Japanese introduces students to Japanese culture and civilization, and provides students the means to develop intermediate spoken and written proficiency in Japanese language. Students completing this program will be prepared to begin to work, travel, or advance to further study in Japanese.

#### MINOR REQUIREMENTS — 18 CREDITS

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##### Required Credits — 12 hours

JAPN 116	Contemporary Japan	3
JAPN 201	Intermediate Japanese I	3
JAPN 202	Intermediate Japanese II	3
JAPN 407	Japanese for Oral Proficiency	3

##### Elective Credits — 6 hours

JAPN 301	Japan and the Japanese I	3
JAPN 302	Japan and the Japanese II	3
JAPN 412	Japanese Language and Society	3
JAPN 422	Directed Studies	1-4
JAPN 450	Japanese Literature	3
WLC 296	Study Abroad Experience	1-3
WLC 395	Special Topics	1-4

WLC 296, WLC 395, and JAPN 422 must focus on Japan or be taught in Japanese.

##### Program Notes

In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

## LEADERSHIP STUDIES

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#### PROGRAM OVERVIEW

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### College of Humanities and Social Sciences

##### Mission:

To educate, motivate, and equip students to confront the challenges of leadership in a complex, connected and diverse world.

##### Student Learning Outcomes (SLOs) for Leadership Studies Program, students will:

- Develop critical and strategic ways of understanding complex human systems, including effective ways to turn analysis into planning and subsequent action.
- Recognize, understand, and adapt to emotional information in ways that maximize team-building, empathy, perspective-taking, and collaboration.
- Develop and practice a repertoire of decision-making skills, making optimal decisions based upon the unique social, economic, and cultural factors that characterize the situation.
- Demonstrate an understanding of both normative and applied ethics, including the role of justice in diverse context.

**The Leadership Studies Minor will complement an academic major at UNC and will serve as a meaningful contextual experience for most career fields.**

For advising information, please contact the Coordinator for Leadership Studies: [leadership.studies@unco.edu](mailto:leadership.studies@unco.edu) or 970-351-3395.

#### MINOR REQUIREMENTS — 18 CREDITS

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##### Core Leadership Courses — 9 credits

LEAD 100	Fundamentals of Leadership	3
LEAD 200	Strategic Leadership	3
LEAD 497	Senior Leadership Seminar	3

##### Ethics Foundation — 3 credits

Choose one of the following:

BAAC 424	Accounting Ethics	3
BAMG 452	Business Ethics	3
PHIL 150	Moral Issues	3
PHIL 350	Ethical Theory	3
PSCI 331	Political Philosophy I	3
PSCI 332	Political Philosophy II	3

##### Global & Cross Cultural Foundation — 3 credits

Choose one of the following:

ANT 313	Anthropology of Globalization	3
ANT 331	Anthropology and Contemporary Human Problems	3

BAMG 350	Management and Organizational Behavior	3
BAMG 454	Leadership in Organizations	3
COMM 223	Intercultural Communication	3
ECON 335	Environmental and Resource Economics	3
ECON 344	International Economics	3
EDF 290	Foundations of Education	3
ENST 315	Nature & Society	3
ENST 331	Anthropology and Contemporary Human Problems	3
GEOG 310	Urban and Regional Planning	3
GEOG 320	Population Geography	3
GNDR 285	Gender in the Contemporary Global Order	3
HON 182	Confluence of Cultures	3
LEAD 495	Special Topics in Leadership	3
MCS 101	Multiculturalism in the United States: Concepts and Issues	3
MIND 286	Value Issues in Political Economy	3
MIND 289	Coming of Age in the Twenty-First Century	3
PSCI 110	Global Issues	3
PSCI 323	Politics of Religion	3
PSCI 326	International Political Economy	3
SOC 235	Social Change in a Global Context	3

**Leadership Elective — 3 credits**

Choose one of the following:

ART 428	Museum Leadership	3
BAMG 350	Management and Organizational Behavior	3
BAMG 353	Human Resources Management	3
BAMG 355	Fundamentals of Entrepreneurship	3
BAMG 454	Leadership in Organizations	3
COMM 431	Communication and Leadership	3
ENST 364	Sustainability Leadership and Community Engagement	3
HESA 355	Leadership for Social Change in Higher Education and Student Affairs	3
LEAD 492	Leadership Internship	3
SES 450	Sport Leadership and Ethics	3

**LEGAL STUDIES**

**College of Humanities and Social Sciences**

**MINOR REQUIREMENTS — 21 CREDITS**

**Core Courses (15 credits)**

Choose five courses from the following:

BAFN 231	Legal Environment of Business	3
BAFN 332	Business Administration and the Law	3
COMM 341	Courtroom Communication	3

CRJ 110	Introduction to Criminal Justice	3
CRJ 230	Judicial Process	3
HIST 342	American Constitutional History	3
PSCI 306	Constitutional Law	3
PSCI 328	International Law and Organizations	3
PSCI 392	Internship	1-13
PSY 365	Psychology and the Law	3
SOC 346	Criminology	3
SOC 347	Sociology of Corrections	3
SOC 444	Sociology of Law	3

PSCI 392: Any other internship must be approved by your legal studies advisor. Students are strongly encouraged to elect an internship as part of a minor. Only 3 credits of internship can be used for the minor.

**Theoretical Foundations Courses (6 credits)**

Choose two courses from the following:

BAMG 452	Business Ethics	3
MIND 286	Value Issues in Political Economy	3
PHIL 150	Moral Issues	3
PHIL 350	Ethical Theory	3
PHIL 355	Social and Political Philosophy	3
PHIL 366	Philosophy of Law	3
PSCI 331	Political Philosophy I	3
PSCI 332	Political Philosophy II	3
PSCI 335	American Political Thought	3

**Program Notes**

Students must complete at least 12 credits of their coursework at the 300 and 400 level. No more than 9 credits may be taken in one department.

Some advanced courses have prerequisites. Please be certain that you meet the program's prerequisites if you plan to take such a course or you may check with the instructor to see if the prerequisite(s) may be waived, if you are capable of doing the work for the course.

Please contact the Legal Studies Advisor Assistant Professor Brown at jeffrey.brown@unco.edu as soon as you declare the minor to plan your schedule so that you can graduate on time.

**MATHEMATICS: LIBERAL ARTS**

**College of Natural and Health Sciences**

**MINOR REQUIREMENTS — 20 CREDITS**

Take all of the following courses:

MATH 131	Calculus I	4
MATH 132	Calculus II	4

Choose 12 credits from the following courses:

MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 233	Calculus III	4

MATH 321	Introduction to Abstract Algebra I	3
MATH 335	Differential Equations I	3
MATH 336	Differential Equations II	3
MATH 341	Introduction to Modern Geometry I	3
MATH 350	Elementary Probability Theory	4
MATH 351	Elementary Statistics Theory	3
MATH 375	Elementary Numerical Analysis	3
MATH 431	Basic Analysis I	4
MATH 432	Basic Analysis II	4
MATH 437	Mathematical Modeling	3
MATH 460	Introduction to Complex Analysis	3
MATH 464	Introduction to History of Mathematics	3

**Program Notes**

At least six of the twelve credits of electives must be at the 300-level or above.

### MATHEMATICS: SECONDARY MATHEMATICS TEACHING, GRADES 7-12

#### College of Natural and Health Sciences

#### MINOR REQUIREMENTS — 27 CREDITS

**Take all of the following courses:**

MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 221	Elementary Linear Algebra	3
MATH 228	Discrete Mathematics	3
MATH 341	Introduction to Modern Geometry I	3
MATH 464	Introduction to History of Mathematics	3
MED 341	Principles of Teaching Secondary Mathematics	3
MED 373	Clinical Induction in Secondary Mathematics Classrooms	1
STAT 355	Introduction to Applied Statistics and Probability	3

**Program Notes**

Students must meet all requirements for Professional Teacher Education as specified in this Catalog. Does not lead to teacher licensure, but may lead to additional endorsement in mathematics.

### MEDIA STUDIES

#### College of Humanities and Social Sciences

#### MINOR REQUIREMENTS — 18 CREDITS

**Take all of the following courses:**

JMS 100	Introduction to Journalism and Media Studies	3
JMS 390	Impact of Mass Media on Society	3

**Choose one of the following:**

- Select twelve credits of JMS prefix courses

OR

- Nine credits of JMS prefix courses and FILM 120

**Program Notes**

Credits must be chosen with consent of the student's advisor.

Students must complete 50 percent of their coursework at the 300 and 400 level.

### MEXICAN AMERICAN STUDIES

#### College of Humanities and Social Sciences

#### MINOR REQUIREMENTS — 18 CREDITS

**Take all of the following courses:**

MAS 100	Introduction to Mexican American Studies	3
MAS 110	Contemporary Chicano Literature	3
MAS 380	US Mexico Immigration	3

**Choose one of the following courses:**

MAS 225	Latina/Latino History	3
MAS 420	Chicana/o Civil Rights Movement	3

**Choose six credits from the following courses:**

MAS 275	Education of Mexican American Students	3
MAS 280	Topics in Chicana/Chicano Art and Culture	3
MAS 301	Mexican American Politics and Leadership	3
MAS 337	Chicana/o Literature and Theory	3
MAS 395	Topics in Gender Issues	3
MAS 446	Chicana/o Theory	3
MAS 460	Narco Corrido and Mexican Folk Culture	3
SPAN 341	Mexican and Mexican American Civilization and Culture	3
SPAN 457	Masterpieces in Chicano/a Literature	3
WLC 390	History and Philosophy of Multilingual Education	3

## MILITARY SCIENCE (ARMY)

### Undergraduate Studies

See “Reserve Officer Training Corps (ROTC) (p. 108)”

### PROGRAM OVERVIEW

The Military Science minor is linked to the Army Reserve Officer Training Corps (ROTC) program and provides professional education and leadership training to students who desire to serve our country as officers in the U.S. Army upon graduation. MLSC courses at the 100 and 200 level are open to all students. 300 and 400 level MLSC courses are restricted to contracted cadets (only contracted cadets can complete the military science academic minor). Successful completion of the full ROTC program qualifies cadets for both a commission as a second lieutenant in the Army and an opportunity to serve at least four years on active duty or at least six years in the reserve component (Army Reserve or Army National Guard).

### MINOR REQUIREMENTS — 21 CREDITS

Students must satisfactorily complete a minimum of 21 total credit hours offered for the minor. The minor requires 12 or more upper-division (300- to 400-level) credits.

To receive the minor in Military Science, students must commission as Second Lieutenants in the US Army upon graduation from UNC.

Additional coursework may be required due to prerequisites.

**Complete at least 2 credits of introductory Military Leadership Courses and/or labs from the following two lists:**

Lower Division Military Leadership courses:

MLSC 101	Leadership and Personal Development	2
MLSC 102	Introduction to Tactical Leadership	2
MLSC 201	Innovative Team Leadership	2
MLSC 202	Foundations of Tactical Leadership	2

Basic Military Science Labs:

MLSC 196	Leadership and Personal Development Lab	1
MLSC 197	Introduction to Tactical Leadership Lab	1
MLSC 296	Innovative Team Leadership Lab	1
MLSC 297	Foundations of Tactical Leadership Lab	1
MLSC 235	Military Tactical Leadership	1
MLSC 386	Leader Development and Assessment Course	6

100- and 200-level labs are optional for the Military Science Minor, but are highly encouraged. Labs are normally held in Fort Collins at the Colorado State University Campus.

Credit may be awarded for prior military service.

MLSC 235 requires attendance at the five-week basic camp and can be applied toward lower division credits.

MLSC 386 requires attendance at the six-week Army ROTC Advanced Camp. Registration for MLSC 386 is not required unless these credits are needed to satisfy requirements for a minor in Military Science. When needed, MLSC 386 is normally completed between a student’s junior and senior years.

**Complete at least 10 credits from the following lists of Military Leadership Courses and/or Labs:**

Upper Division/Advanced Military Leadership Courses:

MLSC 301	Adaptive Team Leadership	3
MLSC 302	Applied Team Leadership	3
MLSC 401	Adaptive Leadership	3
MLSC 402	Leadership in a Complex World	3

Upper Division/Advanced Military Science Labs:

MLSC 396	Adaptive Team Leadership Lab	1
MLSC 397	Applied Team Leadership Lab	1
MLSC 496	Adaptive Leadership Lab	1
MLSC 497	Leadership in a Complex World Lab	1

300- and 400-level labs are restricted to and required for contracted cadets.

Upper Division MLSC courses and labs are held in Fort Collins at Colorado State University campus.

**Complete 3 credits of one Military History course:**

MLSC 357	American Military Experience	3
HIST 331	Civil War and Reconstruction	3
HIST 338	Advanced Overview of American History	3
HIST 342	American Constitutional History	3
HIST 351	The United States and World War II	3
HIST 353	The Rise of the American Century: The United States from 1898-1945	3
HIST 355	American as a World Power: United States History from 1945 to the Present	3

**Choose up to 6 additional MLSC coursework to bring the total number of credits to 21.**

Additional coursework, if needed, should be selected with the guidance of an Army ROTC advisor.



**MUSIC: LIBERAL ARTS****College of Performing and Visual Arts****MINOR REQUIREMENTS — 21 CREDITS****Take all of the following courses:**

MUS 113	Music Theory I	3
MUS 114	Aural Skills and Sight Singing I	1
MUS 115	Music Theory II	3
MUS 116	Aural Skills and Sight Singing II	1
MUS 143	Musical Styles and Context	3

**Choose ten credits from the following:**

The student may select courses in music history, theory, literature, performance study or ensemble participation to complete the 21 Required Minor Credits. A maximum of 7 credits of performance and ensemble participation may apply toward meeting the elective requirements.

**Program Notes**

To complete a minor in Music: Liberal Arts, a student is not required to earn upper-division credits (300-400) in the minor.

**NUTRITION****College of Natural and Health Sciences****MINOR REQUIREMENTS — 19-20 CREDITS****Take all of the following courses:**

FND 250	Principles of Nutrition	3
FND 252	Nutrition in the Life Cycle	3
FND 370	Nutrition Education and Application Strategies	3

**Choose one of the following options:**

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
	or	
CHEM 281	Fundamentals of Biochemistry	3
CHEM 281L	Fundamentals of Biochemistry Laboratory	1

**Choose six credits from the following courses:**

FND 420	Maternal and Child Nutrition	3
FND 430	Nutrition Assessment and Intervention	2
FND 430L	Nutrition Assessment and Intervention Laboratory	1
FND 451	Advanced Nutrition	3
FND 452	Community Nutrition	3
FND 455	Nutrition for Fitness and Athletic Performance	3

**Program Notes**

- Dietetics majors and Nutrition majors cannot minor in Nutrition.

- In accordance with University Policies, coursework earned more than 10 years prior to the date of matriculation to UNC may not be used to satisfy any major or minor requirements. Any exception to this policy is at the discretion of the academic program.

**PHILOSOPHY****College of Humanities and Social Sciences****MINOR REQUIREMENTS — 18 CREDITS****Choose at least one of the following courses:**

PHIL 231	Ancient Greek Philosophy	3
PHIL 232	Medieval Western Philosophy	3
PHIL 233	Modern Western Philosophy	3
PHIL 246	Early Chinese Philosophy	3

**Choose at least one of the following courses:**

PHIL 371	Topics in Metaphysics and Epistemology	3
PHIL 372	Philosophy of Race	3
PHIL 375	Science Fiction and Philosophy	3
PHIL 385	Epistemology	3
PHIL 390	Metaphysics	3

**Choose at least one of the following courses:**

PHIL 311	Environmental Ethics	3
PHIL 350	Ethical Theory	3
PHIL 355	Social and Political Philosophy	3
PHIL 360	Feminist Theories	3
PHIL 365	Topics in Value Theory and Public Policy	3
PHIL 366	Philosophy of Law	3

**Choose at least three additional courses with a PHIL prefix:**

These may include additional courses from any of the lists above, but may also include any other 100-400 level offering in Philosophy.

**PHYSICS****College of Natural and Health Sciences****MINOR REQUIREMENTS — 31-34 CREDITS****Take all of the following courses:**

PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1
MATH 131	Calculus I	4
MATH 132	Calculus II	4

**Choose one course from the following:**

MATH 233	Calculus III	4
PHYS 320	Mathematical Methods I	3

**Choose one course from the following:**

PHYS 340	Mechanics	4
PHYS 341	Electricity and Magnetism I	3
PHYS 345	Quantum Mechanics I	3
AST 303	Galaxy Formation and Cosmology	3

**Choose one course from the following:**

PHYS 343	Electronics	3
PHYS 347	Optics	4
PHYS 448	Nuclear and Particle Physics	3
AST 301	Classical Astronomy and the Solar System	3
AST 302	Stars and the Milky Way	3

**POLITICAL SCIENCE**

**College of Humanities and Social Sciences**

**MINOR REQUIREMENTS — 18 CREDITS**

**Take all of the following courses:**

PSCI 100	United States National Government	3
PSCI 105	Fundamentals of Politics	3
PSCI 110	Global Issues	3

**Choose nine credits from any of the following courses:**

**Group A — American Politics**

PSCI 203	Colorado Politics	3
PSCI 207	Women and Politics	3
PSCI 208	Introduction to Public Administration	3
PSCI 301	Electoral Politics in the United States	3
PSCI 302	Power in America	3
PSCI 303	Public Policy in the United States	3
PSCI 306	Constitutional Law	3
PSCI 309	American Political Development	3
PSCI 335	American Political Thought	3
PSCI 392	Internship	1-13
ENST 205	Environment, Politics and Law	3
PSCI 405	Senior Seminar in American Politics	3
PSCI 422	Directed Studies	1-3

**Group B — International Relations**

PSCI 220	Introduction to International Relations	3
PSCI 240	Globalization	3
PSCI 320	American Foreign Policy	3
PSCI 321	War and Peace	3
PSCI 325	Conflict in the Middle East	3
PSCI 326	International Political Economy	3
PSCI 327	Politics of Migration	3
PSCI 328	International Law and Organizations	3
PSCI 425	Senior Seminar in International Relations	3

PSCI 422	Directed Studies	1-3
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**Group C — Political Philosophy**

PSCI 331	Political Philosophy I	3
PSCI 332	Political Philosophy II	3
PSCI 422	Directed Studies	1-3
PSCI 435	Senior Seminar in Political Philosophy	3

**Group D — Comparative Politics**

PSCI 200	Introduction to Comparative Politics	3
PSCI 210	European Politics	3
PSCI 215	Post-Communist Russian Empire	3
PSCI 230	The Evolution of the Modern State	3
PSCI 270	Nationalism, Ethnicity and Race	3
MIND 286	Value Issues in Political Economy	3
	or	
PSCI 286	Value Issues in Political Economy	3
PSCI 296	Study Abroad Experience	3
PSCI 315	Comparative Public Policy	3
PSCI 316	Latin American Politics	3
PSCI 317	Dictatorship to Democracy	3
PSCI 318	The Politics of the Developing States	3
PSCI 319	Asian Politics	3
PSCI 323	Politics of Religion	3
PSCI 350	Politics and Film	3
PSCI 351	Screening for PSCI 350	0
PSCI 415	Senior Seminar in Comparative Politics	3
PSCI 422	Directed Studies	1-3

**Program Notes**

The student must complete Required Elective courses, which total 9 credits, selected from the above in consultation with their advisor. At least 6 of these credits must be at the 300-level or above.

Students must have permission of the Internship Coordinator before registering for an internship. Students must have completed 9 credits in political science before doing an internship. While students may take up to 13 credits in the Political Science Internship program, only 3 credits can be used toward the requirements for the minor.

**PSYCHOLOGY****College of Education and Behavioral Sciences****MINOR REQUIREMENTS — 18 CREDITS****Take the following course:**

PSY 120	Principles of Psychology	3
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**Foundation Group**

Choose six credits from the following:

PSY 230	Lifespan Development	3
PSY 255	Introduction to Mental Health	3
PSY 265	Social Psychology	3

**Choose nine credits from the Psychology electives:**

- Nine credits of upper-division (300-400 level) electives.
- Any additional upper-division PSY course that is not restricted to "majors only."
- Electives from outside the PSY designation.

NOTE: No more than two of the following courses may be included in the minor as electives:

HUSR 397	Foundations of Substance Abuse Prevention and Treatment	3
SES 333	Psychology of Exercise and Physical Activity	3
SES 438	Sport Psychology	3

**Program Notes**

A minimum of 6 upper division credits (300-400 level) in the minor must be earned from UNC.

A maximum of 10 credits may be transferred for the minor from other institutions.

**SOCIOLOGY****College of Humanities and Social Sciences****MINOR REQUIREMENTS — 18 CREDITS****Take the following course:**

SOC 100	Principles of Sociology	3
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**Choose 15 credits from the following:**

- Select any courses with SOC prefixes.
- Nine credits of the minor must be at the 300 level or above.
- A maximum of 9 credits may be transferred from another institution.

**SPANISH****College of Humanities and Social Sciences****MINOR REQUIREMENTS — 18 CREDITS****Take all of the following courses:**

SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

**Complete one of the following options:****Non-Heritage Speaker Option**

SPAN 301	Spanish Grammar	3
SPAN 302	Spanish Composition	3

**Heritage Speaker Option**

SPAN 310	Spanish for Native Speakers	3
SPAN 312	Written Spanish for Native Speakers	3

The Heritage Speaker courses must have program approval through a placement exam.

**Choose two of the following courses:**

SPAN 303	Spanish Conversation	3
SPAN 304	Introduction to Hispanic Literature	3
SPAN 305	Introduction to Hispanic Linguistics	3
SPAN 321	Spanish Civilization and Culture	3
SPAN 331	Latin American Civilization and Culture	3
SPAN 341	Mexican and Mexican American Civilization and Culture	3
SPAN 405	Spanish Phonetics and Dialects	3
SPAN 410	Spanish for the Professions	3
SPAN 416	Spanish for Criminal Justice	3

**Program Notes**

Students must earn a grade of "C" or better (GPA 2.0 or above) for all Spanish courses in the minor.

It is recommended that Spanish minors take HIST 118 and MAS 100 and either MAS 110 or MAS 337. Students who wish to take additional electives may select HISP 102.

All Spanish language courses to be counted for the major and minor must be beyond the first year level.

Courses with the SPAN prefix are taught in Spanish and courses with the HISP prefix are taught in English.

## SPECIAL EDUCATION

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### PROGRAM OVERVIEW

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#### College of Education and Behavioral Sciences

This program is designed for undergraduate students who desire a special education minor to accompany any major or teacher licensure program other than a special education program. Additional requirements in other special education programs must be met before students with a minor are eligible for special education licensure.

### MINOR REQUIREMENTS — 18 CREDITS

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#### Required Minor credits — 6 hours

EDSE 201	Culture of Special Education	3
EDSE 203	The Individualized Education Program and the Collaborative Process	3

#### Elective Minor Credits — 12 hours

Choose 12 credits from the following courses (at least 6 credits must be at the 300-level or higher):

ART 248	Introduction to Art Education/Art for the Exceptional Child	3
ASL 101	American Sign Language I	3
ASL 102	American Sign Language II	3
EDSE 320	Assessment in Special Education	3
EDSE 322	K-12 Methods in Special Education	3
EDSE 325	Behavioral Dimensions of Students with Exceptionalities I	3
EDSE 326	Behavioral Dimensions of Students with Exceptionalities II	3
EDSE 331	Typical and Atypical Development of Young Children	3
EDSE 334	Evidence-based Practices for Young Learners, 5 to 8 Years	3
EDSE 360	Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner	3
EDSE 442	Language and Literacy for Students with Severe Delays	3
EDSE 430	Exceptional Student in the Elementary Classroom	2
EDSE 433	Exceptional Students in the Regular Classroom	2
EDSE 434	Collaborative Practice with Families and Professionals	3
EDSE 460	Culturally and Linguistically Diverse Students with Disabilities	3
EDSE 541	Introduction to Visual Impairments and Deaf-Blindness	3
EDSE 550	Foundations of Deaf Education	3

### NOTES:

EDSE 320 and EDSE 325 are recommended.

Please note that students must be at least a junior and have a cumulative GPA of 3.0 or higher to take 500 level courses.

### SPORT AND EXERCISE SCIENCE: SPORT COACHING

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### PROGRAM OVERVIEW

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#### College of Natural and Health Sciences

The coaching minor has been designed to prepare students to assume coaching roles in school and non-school settings.

### MINOR REQUIREMENTS — 19-20 CREDITS

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#### Take all three of the following core courses:

SES 335	Principles of Coaching	3
SES 336	Sport for Children and Youth Athletes	3
SES 337	Sport for High Performance Athletes	3

#### Choose one of the following courses:

SES 436	Social Influences on Sport and Exercise Behavior	3
SES 438	Sport Psychology	3

#### Choose one of the following courses:

SES 312	Coaching and Officiating of Baseball	2
SES 313	Coaching and Officiating of Basketball	2
SES 314	Coaching and Officiating of Football	2
SES 317	Coaching and Officiating of Track and Field	2
SES 318	Coaching and Officiating of Soccer	2
SES 321	Coaching and Officiating of Volleyball	2

#### Choose one of the following elective courses not already taken above:

SES 338	Teaching Diverse Populations	4
SES 436	Social Influences on Sport and Exercise Behavior	3
SES 438	Sport Psychology	3

#### Choose 2 credits from:

SES 392	Internship in Sport Coaching	1-6
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#### Program Notes

All students must provide documentation of current First Aid and CPR certification.

## SPORT AND EXERCISE SCIENCE: PHYSICAL EDUCATION (K-12) TEACHING

### College of Natural and Health Sciences

#### MINOR REQUIREMENTS — 19 CREDITS

**Take all of the following courses:**

SES 170	Introduction to Field Based Experience	1
SES 338	Teaching Diverse Populations	4
SES 340	Planning, Assessment, and Instruction in Physical Education	4
SES 342	Physical Activity and Fitness in Schools	3

**Select one of the following tracks based on preferred level:**

**Elementary Track**

SES 210	Developmentally Appropriate Elementary Activities	3
SES 440	Developing Pedagogical Skills in Elementary Physical Education	4

**Secondary Track**

SES 240	Secondary Physical Education Content	3
SES 442	Developing Pedagogical Skills in Secondary Physical Education	4

**Program Notes**

The minor in PE K-12 Teaching has been designed for students who are enrolled in a teaching major. The strength of this minor is based on the unique integration of courses in skill analysis, movement sciences and teaching methodology.

## SUSTAINABILITY

### College of Humanities and Social Sciences

#### MINOR REQUIREMENTS — 18 CREDITS

**Take the following course:**

ENST 100	Introduction to Environmental Studies	3
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**Choose 15 credits of ENST courses:**

Choose 15 credits of ENST courses, at least 6 credits of which must be at the 300 level or higher.

## TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

### PROGRAM OVERVIEW

#### College of Education and Behavioral Sciences

The minor in TESL provides the student with the study of the structures of English and with the theory and practice related to the teaching of English as a second language.

For non-licensure candidates, the minor in TESL prepares the student to teach English as a second or foreign language in the United States and abroad.

#### MINOR REQUIREMENTS — 22 CREDITS

**Required Credits:**

ECLD 360	Second Language Acquisition	3
ECLD 400	Methods and Approaches of Teaching Culturally and Linguistically Diverse Students	3
MAS 280	Topics in Chicana/Chicano Art and Culture	3
MAS 450	Internship in Mexican American Studies	4
WLC 390	History and Philosophy of Multilingual Education	3

**Take one of the following courses:**

ECLD 380	Introduction to Linguistics for ESL/CLD Educators	3
ENG 318	The Structure of Modern English	3
ENG 419	English Linguistics	3

**Take one of the following courses:**

ANT 350	Field Methods in Cultural Anthropology	3
COMM 223	Intercultural Communication	3

**Program Notes**

One year of college-level, beginning foreign language study or its equivalent must be taken in addition to the required courses for this minor.

If any course required is waived, e.g., in the case of English majors who may not count a course toward both a major and minor, additional courses must be approved so that the student can fulfill the 22 credits required for this minor.

## THEATRE ARTS

### College of Performing and Visual Arts

#### MINOR REQUIREMENTS — 24 CREDITS

**Take all of the following courses:**

THEA 100	Individual Performance in Theatre	2
THEA 135	Playscript Analysis	3
THEA 149	Orientation to Technology	3
THEA 160	Acting Methods	3
THEA 240	Beginning Stage Directing	3

THEA 100: Take 4 credits total

THEA 160: Must be taken for 3 credits

THEA 240: Must be taken for 3 credits

**Elective minor - choose 8 credits from THEA-prefix courses**

**Program Notes**

To complete a minor in Theatre Arts, a student is not required to earn upper-division credits (300-400) in the minor.

## WRITING

#### PROGRAM OVERVIEW

### College of Humanities and Social Sciences

The writing minor is a cross-disciplinary undergraduate program designed to strengthen and advance students' writing abilities. For this purpose, students study the history as well as theories of writing and they also learn strategies and skills in writing in different disciplines, including the arts and sciences, business, education, and other academic and professional fields.

Through this program, students will gain competence in writing about different subjects, for different purposes and audiences, and in different genres and styles. Students will also be able to apply their writing skills in a wide range of careers.

#### MINOR REQUIREMENTS — 18 CREDITS

**Required: 6 credits**

ENG 301	Writing as a Job	3
ENG 420	Special Topics in Creative and Professional Writing	3

**Remaining: 12 credits**

Choose 12 credits from the following courses.

**Professional Writing and Publishing**

ENG 218	Introduction to Linguistics	3
ENG 219	Language and Society	3
ENG 220	Writing, Transformation, and Change	3

ENG 225	Communications on a Theme	3
ENG 227	Technical Writing	3
ENG 229	Professional Writing and Digital Video	3
ENG 318	The Structure of Modern English	3
ENG 319	Writing and Rhetorical Theory	3
ENG 323	Advanced Argument	3
ENG 327	Editing for Print Publication	3
ENG 328	Professional Writing and Document Design	3
ENG 419	English Linguistics	3
ENG 427	Digital Editing	3
ENG 429	Digital Self-Publishing	3
ENG 492	Writing Internship	1-3
ART 171	Introduction to Visual Communication Design	3

**Creative Writing**

ENG 200	Introduction to Creative Writing	3
ENG 203	Creative Writing: Nonfiction	3
ENG 242	Creative Writing-Fiction	3
ENG 243	Creative Writing: Screenwriting	3
ENG 244	Creative Writing: Poetry	3
ENG 303	Intermediate Creative Writing: Nonfiction	3
ENG 342	Intermediate Creative Writing: Fiction	3
ENG 343	Intermediate Creative Writing: Screenwriting	3
ENG 344	Intermediate Creative Writing: Poetry	3

**Program Notes**

Students must choose at least one 300 level or above course.

Students may select 12 credits from any courses above.

Students may substitute one writing course from a discipline outside of English (200 level or above) for a Writing Minor elective credit with the advance approval of Writing Minor Track Director. For advising and information, contact the Department of English in Ross 1284 or at 351-2971.

## Pre-Degrees

### ENGINEERING (PRE-ENGINEERING)

#### PROGRAM OVERVIEW

##### College of Natural and Health Sciences

The pre-engineering program is designed for students who intend to enter an engineering field. Students take one to two years of coursework at UNC before transferring to a university that offers a degree in engineering.

Alternatively, after their second year, students may elect to complete the Physics B.S. - Engineering Physics Concentration or other science or math program at UNC.

On successful completion of this program, the student will be eligible to transfer to an engineering school in Colorado or elsewhere, or transfer to another science or mathematics program at UNC.

#### Required Major Credits

CHEM 111	Principles of Chemistry I	4
CHEM 111L	Principles of Chemistry I Laboratory	1
CS 120	Introduction to Programming	3
CS 160	Structured Programming	3
ENG 122	College Composition	3
MATH 131	Calculus I	4
MATH 132	Calculus II	4
MATH 233	Calculus III	4
PHYS 240	General Physics I	5
PHYS 241	General Physics II	5
PHYS 321	Elementary Modern Physics	3
PHYS 323	Elementary Modern Physics Laboratory	1

#### Program Notes

Any elective courses should be selected in consultation with one's advisor to ensure applicability to an engineering degree program. Some engineering fields require a second semester of chemistry.

Students in this program register under a physics major with pre-engineering as a second major and must have an advisor in the physics program.

### HEALTH PROFESSIONS (PRE-MED, PRE-VET, PRE-DENTAL, ETC.)

#### PROGRAM OVERVIEW

##### College of Natural and Health Sciences

Students interested in preparing for careers in the Health Sciences (including allopathic, osteopathic, and podiatric medicine, dentistry, veterinary medicine, optometry,

pharmacy, medical technology, and chiropractic, for example) and those interested in various allied health sciences\* (e.g., dental hygiene, physician's assistant, optometry assistant, veterinary assistant, and physical therapy) should contact the UNC Health Professions advisor early in their studies. Many UNC graduates, from a variety of majors, have been successful in being admitted to competitive medical and health professional programs.

To prepare for admittance to medical school and other health professional degree programs, students may select from a large variety of UNC majors and complete the required pre-requisite courses. Advisors with knowledge about careers in the health sciences, requirements for admission to health professional schools, and UNC courses and degree programs assist students planning to apply for admission to health professional schools. Competition for admission to these health professional schools is keen and completion of an undergraduate program does not guarantee admission to the health professional school. Academic interviews, grade point average, performance on specialized admissions exams, faculty recommendations, personal characteristics and hands-on experiences are all taken into consideration to determine admittance into health professional schools. UNC's Health Professions advisors are dedicated to providing timely and informed advising to students interested in health-related careers.

Careful program planning is essential and students are encouraged to meet regularly with both the pre-health advisor and their UNC major advisor. Students are encouraged to select courses that will meet the requirements of a degree that provides maximum flexibility in career choices. Health professional schools have requirements that range from a minimum of two years of undergraduate studies to four years including a bachelor's degree. Although common requirements exist within areas, sufficient differences exist such that wise students will work closely with their major advisor to be certain that all program and degree requirements are being met.

At a minimum, health professional schools and allied health science programs will require a year of general biology, a year of general chemistry and a year of English composition. Organic chemistry, additional biology, physics, statistics, and college mathematics, as well as courses in social sciences and humanities, are generally required.

Health professional schools do not require specific undergraduate degrees for admittance and UNC students may choose from a variety of academic majors. Sport and Exercise Science is the most common major for students considering physical therapy schools, while Biology or Chemistry are the most common majors for students considering the other health professional schools. Students majoring in non-science programs usually require an

additional year of course work to meet pre-requisites for health professional schools. For information on the requirements for specific programs visit [www.unco.edu/nhs/pre-health/](http://www.unco.edu/nhs/pre-health/).

**NOTE:** \*Nursing is available at UNC. For more information about the nursing program consult the index of this Catalog.

## LAW (PRE-LAW)

### PROGRAM OVERVIEW

#### College of Humanities and Social Sciences

**Contact:** Gregory Williams, Ph.D., Political Science

**Location:** McKee Room 305

**Email:** Gregory.Williams@unco.edu

UNC offers an excellent pre-law program, as well as a number of pre-law activities for undergraduate students interested in pursuing a career in the legal profession.

It should be noted, however, that like most American universities, UNC does not offer a pre-law major or minor; however, UNC does offer a Minor in Legal Studies.

Law schools do not identify any specific major as most desirable, but they do require a bachelor's degree as a prerequisite for law school admission. Most pre-law programs are built around majors from the College of Humanities and Social Sciences and from the Monfort College of Business.

## GO ON AND LEARN (UNC GOAL)

### PROGRAM OVERVIEW

**Website:** [www.unco.edu/unc-goal](http://www.unco.edu/unc-goal)

**Telephone:** (970) 351-1164

UNC Go On And Learn (GOAL) is an opportunity for students with intellectual/developmental disabilities to attend UNC. Students complete a program that is individualized to their interests and strengths. Students enroll in courses based on their interests and long-term career plans. These courses are then modified to their skill level.

Students may choose to live in the residence halls with their peers or commute to campus. Students are encouraged to participate in clubs, organizations, and other social activities alongside their classmates. Students work on campus and in the community as part of their individualized plan of study. Students pay an additional Program Fee each semester to cover program costs.

#### Admission Process and Criteria

The application review begins on January 31st for the following academic year. All application requirements can

be found on the UNC GOAL website ([www.unco.edu/unc-goal](http://www.unco.edu/unc-goal)).

Applications are screened and a select number of prospective students are invited to participate in a personal interview. The interview is comprised of a student interview, a parent interview, and a functional assessment. Students who successfully complete the interview process are invited back for a summer orientation which includes a college life and residential life preparation session. Applicants who successfully complete the interview and the preparation session will be accepted into UNC GOAL.

Students accepted into the program must notify UNC GOAL staff no later than four weeks before the beginning of the semester.

- Students may apply if they meet the following criteria: 18-years and older, have completed high school, and will not be enrolled in an 18-21 Transition program at the time of matriculation (No SAT/ACT required)
- Have a documented intellectual or developmental disability
- Have a strong motivation to attend UNC
- Express an interest in living & working as independently as possible after completing UNC GOAL
- Students must be their own guardians and have the ability to sign documentation for themselves
- Demonstrate communication skills adequate to interact with others on campus
- Have the ability to read & complete math at a functional level (3rd/4th grade)
- Demonstrate socially acceptable behavior (no history of behavior concerns)
- Have stayed by themselves for at least 4-6 hours and preferably overnight
- Are independent in handling/managing dietary and/or medical needs, including medication
- Have family and/or community supports

Students earn a ***Comprehensive Higher Education Certificate*** upon completing and meeting all requirements of their individualized program.

#### Program Highlights

UNC GOAL students participate in the following:

- Person-centered planning sessions
- A two-day New Student Orientation with their peers and a one-day UNC GOAL college life preparedness session
- On campus internships and work experiences during their freshman and sophomore years



- Off campus internships during their junior and senior years
- On-campus housing or living off-campus and commuting to campus

## PROGRAM REQUIREMENTS — 72-80 CREDITS

Students complete courses as part of an individualized Plan of Study based on their interests and career goals.

### Semester 1

GOAL 101	Transition to College Life and Career	4
UNIV 101	Foundations for Learning and Development	3
	1 course	3

### Semester 2

GOAL 102	Career Exploration	4
	2 courses	5-6

### Semester 3

GOAL 201	Social Thinking for Careers and Community Living	4
	2 courses	5-6

### Semester 4

GOAL 202	Literacy for Career and Community Living	4
	2 courses	5-6

### Semester 5

GOAL 301	Career Choices & Finances	4
	2 courses	5-6

### Semester 6

GOAL 302	Career & Community Engagement	4
	2 courses	5-6

### Semester 7

GOAL 401	Workplace Skills, Interactions & Communication	4
	2 courses	5-6

### Semester 8

GOAL 402	Preparing for Career and Independence After College	4
	2 courses	5-6

A student will earn a *Comprehensive Higher Education Certificate* with an emphasis in their individualized area of study by attending UNC for eight semesters over four years (Fall and Spring semesters only), participating in on- and off-campus work experiences, and completing a total of 72-80 credits with an earned GPA of at least 2.5.

Students who successfully complete all requirements to earn a Comprehensive Higher Education Certificate will be eligible for full participation in UNC's Commencement ceremonies.

Detailed information is available at the UNC GOAL website [www.unco.edu/unc-goal](http://www.unco.edu/unc-goal), by visiting the office in McKee 066, or by contacting the program director.

## UNIVERSITY HONORS PROGRAM

### PROGRAM OVERVIEW & REQUIREMENTS

**Website:** [www.unco.edu/honors](http://www.unco.edu/honors)

The University Honors Program fosters outstanding students by providing enriched course and research experiences, extra faculty attention, a community of intellectually engaged peers, and appropriate recognition for making the most of an undergraduate education. The program engages students in the life of the mind and encourages them to raise their expectations for themselves and their education. Honors students become intrinsically involved in their own learning experience, develop heightened critical awareness and independent thinking skills, and participate in research or creative works at the university and in the community.

#### Program Highlights

Students admitted to the University Honors Program have the resources of a comprehensive research university combined with the individual attention traditionally associated with a small liberal arts college, including:

- Connections to faculty and fellow students who share a passion for learning and a commitment to excellence.
- Access to honors courses, seminars, research opportunities, personalized advising and other enriched learning experiences inside and outside of the classroom.
- Opportunities to reside in the Honors Residential Learning Community, participate in the Student Honors Council, access a rich variety of social, cultural, and service activities, and go beyond textbooks to add their own sense of self to their learning.
- Eligibility for scholarships available only to Honors students, travel and research stipends, and extended library check-out privileges.
- Notation on transcripts and, for University Honors, recognition at commencement and notation on the university diploma.

#### Program Overview

The Honors Program offers several entry points for students with a desire to broaden or deepen their academic studies.

1. A First Year Experience designed for both incoming students and continuing students who want an introduction to Honors education. The program curriculum is interdisciplinary and supports students to produce honors quality scholarship. Students

completing the Honors First Year Experience receive the designation "First Year Honors" on their UNC transcript.

2. University Honors is designed for students who want to take full advantage of the intellectual breadth and depth of the Honors Program, providing access to upper-division electives and in-depth research experiences culminating in the creation of a Senior Honors Capstone project. Students who completed First Year Honors simply continue their journey, but all UNC students -- including transfer students -- may apply for entry to the program as late as the end of their sophomore year. Students completing the University Honors Program receive recognition at commencement and official designation as "University Honors" on both their transcript and diploma.
3. The Honors Capstone-Only program is designed for juniors and seniors who discover Honors too late to take advantage of the full program or who want to explore their major discipline in-depth through the creation of an Honors Capstone project. This project may be in the form of a traditional research thesis, a creative work, or an applied project. Students completing the Honors Capstone-Only program receive an "Honors Capstone" designation on their transcript.

**Applying to the University Honors Program**

Information about applying for the Honors Program may be found on the website at [www.unco.edu/honors](http://www.unco.edu/honors).

Incoming students are urged to apply to join the Honors First Year Experience as incoming first year students. All other students, including transfer students, are encouraged to apply as early in their program and possible. All applications must include the names and contact information of two recommending teachers along with a statement of intent. Entering first year students must demonstrate academic interest and aptitude throughout their application, but in the interest of greater equity and opportunity, no specific minimum standardized test scores or GPA is required.

**FIRST YEAR HONORS**

The Honors First Year Experience offers incoming students the opportunity to experience Honors instruction as part of a learning cohort while practicing interdisciplinary analytical skills and building a foundation for academic success.

**General Requirements:**

- Complete a total of 6 course credits in Honors introductory courses.
- Participate in at least one Honors Connect activity.
- Achieve a cumulative 3.00 UNC GPA.

**Choose two courses (6 credits) from the list below**

Note: Students accepted into the Honors Program have access to an Honors-only section of UNIV 101 and are encouraged to take this course during their first semester at UNC.

UNIV 101	Foundations for Learning and Development	3
HON 100	Honors Connections Seminar I	3
HON 180	Great Ideas in Context	3
HON 182	Confluence of Cultures	3
HON 185	Religions and Worldviews	3

Completion of all Honors First Year Experience requirements will earn a "First Year Honors" designation on the student's transcript, regardless of whether the student chooses to remain in the Honors Program. See the Honors Student Handbook at [www.unco.edu/honors](http://www.unco.edu/honors) for more information.

**UNIVERSITY HONORS**

The University Honors curriculum provides students the opportunity to engage in both broad interdisciplinary study and in-depth exploration of a specific topic. It builds on the First Year Experience and culminates in an Honors Capstone project. University Honors Students may complete their Capstone Project within or outside their chosen major.

**General Requirements:**

- Complete a total of 12 credits of Honors coursework. At least 6 credits must be upper division. The Honors First Year Experience automatically satisfies 6 of these credits.
- Complete at least 4 credits of Honors Capstone requirements and culminating in an Honors Capstone project approved by the Honors Program and presented in a public forum.
- Participate in at least six Honors Connect activities.
- Achieve and maintain a minimum cumulative 3.00 UNC GPA.

**Lower-Division Honors Courses: up to 6 credits**

Note: students who complete the First Year Experience will have already fulfilled 6 credits of Lower Division Honors Coursework and should choose Upper Division Courses from the list below.

Students who did not participate in the First Year Experience *may* choose up to 6 credits from the following list, though they may also choose courses from the Upper-Division Honors Course list below to satisfy the Honors Coursework requirement.

UNIV 101	Foundations for Learning and Development	3
HON 100	Honors Connections Seminar I	3
HON 180	Great Ideas in Context	3

HON 182	Confluence of Cultures	3
HON 185	Religions and Worldviews	3
HON 200	Honors Connections Seminar II	3

**Upper-Division Honors Coursework: 6 to 12 credits**

All students must complete at least 6 credits (two courses) from the lists below. Students who enter the University Honors Program without completing the Honors First Year Experience may select additional upper-division credits or may choose up to 6 credits of lower division credits from the list above.

**Honors Special Topics**

Note: HON 395 is repeatable under different subtitles.

HON 395	Honors Special Topics	3
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Only Honors Special Topics courses may be used to fulfill the Honors Coursework requirement (departmental special topics courses do not serve as substitutions).

**Research Methods Courses**

Honors 420 or any approved departmental research methods course on the list below may be used to fulfill the Honors Coursework requirement,

HON 420	Honors Research Methods	3
ANT 340	Quantitative Methods for Anthropology	3
ANT 350	Field Methods in Cultural Anthropology	3
CHEM 499	Seminar and Research in Chemistry	1-3
CRJ 380	Research Methods in Criminal Justice	3
MET 376	Meteorological COOP Education	1-12
PHYS 370	Research I	1-3
PSY 201	Research Methods in Psychology	3
SOC 361	Methods of Sociological Research I	3
SOC 362	Methods of Sociological Research II	3
STAT 451	Intermediate Applied Statistics	3
UNIV 431	McNair Scholars Research Studies I	2

**Internship/Study Abroad Courses**

HON 492 is repeatable with a maximum of 6 credit hours. HON 492 or any approved departmental internship, practicum, field work or study abroad course on the list below may be used to fulfill the Honors Coursework requirement.

HON 492	Honors Internship/Study Abroad	1-4
AFS 399	Community Study Project	1-4
ANT 492	Internship	1-12
ART 492	Internship in Art	1-5
CSD 473	SLPA Seminar and Field Experience	4

BA 415	International Experience/Study Abroad	1
BAAC 492	Internship in Accounting	3
BACS 492	Internship in Computer Information Systems	1-3
BAFN 492	Internship in Finance	1-3
BAMG 492	Internship in Management	3
BAMK 492	Internship in Marketing	3
BIO 492	Internship in Biological Sciences	1-3
BIO 493	Clinical Internship in Biological Sciences	1-3
BIO 494	Practicum in College Biological Science Instruction	1-2
BREW 492	Internship	1-9
COMM 492	Undergraduate Internship	1-10
CRJ 492	Internship	1-9
CSD 474	Clinical Practicum in Audiology	1
CSD 483	Entry/Primary Speech-Language Pathology Practicum	2
ECLD 401	CLD Practicum	3
ECON 492	Internship in Economics	3-6
EDEC 490	Early Childhood Student Teaching	6-12
EDFE 444	Supervised Student Teaching	1-15
EDSE 328	Field Experience in Special Education: Elementary	3
EDSE 329	Field Experience in Special Education: Secondary	3
ENG 492	Writing Internship	1-3
ENST 492	Internship in Environmental Studies	1-4
ESCI 492	Earth Science Internship	1-15
GEOG 392	Field Course in Geography	1-6
GEOG 492	Internship	1-6
GEOL 481	Geologic Field Techniques	3
GNDR 492	Internship	3-6
HIST 492	Internship	1-3
HUSR 492	Internship in Human Services	1-15
INTR 492	Internship for Interpreters	3
JMS 492	Internship	1-3
LEAD 492	Leadership Internship	3
MAS 450	Internship in Mexican American Studies	4
MUS 450	Seminar in Student Teaching for Music Educators	1
NURS 470	Clinical Practice: Professionalism in Practice	3
PHIL 492	Internship	1-6
PSCI 392	Internship	1-13
PSY 491	Psychology Field Experience	1-6
RTH 492	Internship in Recreation, Tourism and Hospitality	3-12
SES 492	Internship in Sport and Exercise Science	6-12
SOC 491	Sociology Internship	3-9
SOC 492	Practicum in Applied Sociology	3-9

SOC 493	Practicum in Family Studies	3-9
SOC 494	Research Practicum	3-6
SOC 496	Study Abroad Experience	3
STEP 464	Secondary Student Teaching	1-14
THEA 401	Practicum in Theatre	1-4
THEA 450	Design and Technology Practicum	3
THEA 465	Acting Showcase	3
THEA 485	Clinical Experiences II: Secondary Theatre	3
THEA 490	Theatre Arts Student Teaching Seminar	1
WLC 296	Study Abroad Experience	1-3

**Honors Capstone — at least 4 credits**

Complete the Honors Capstone Curriculum as described on the Honors-Capstone tab.

Students who complete the University Honors Program -- including a Capstone Project -- are recognized during commencement ceremonies and receive the designation "University Honors" on both their transcript and their diploma. See the Honors Student Handbook at [www.unco.edu/honors](http://www.unco.edu/honors) for more information.

**HONORS CAPSTONE**

The Honors Capstone curriculum provides upper-division students the opportunity to engage in in-depth study of a topic either within or outside of their major degree program and culminates in an Honors Capstone Project. Projects may include

- a senior thesis based on field research, experimentation, or library or archival research;
- an applied or civically-engaged business, non-profit, or curriculum design and delivery project; or
- a creative work in humanities or the arts.

All projects require a written component with critical, research-based, reflective analysis, and all students present their project in a public forum to educate others on their topic. Completed projects are bound and placed in the permanent collection of the James A. Michener Library, and Honors students also are encouraged to submit their final written project for inclusion in a scholarly journal, such as UNC's undergraduate research journal. During their Honors Capstone experience students work individually with a faculty mentor to strengthen their research, writing, creative, and presentation skills.

**General Requirements:**

- Completion of Honors Capstone course requirements (4 credits).
- Completion of Honors Capstone project approved by the Honors Program and presented in a public forum.
- Participation in at least two Honors Connect activities.
- Achieve and maintain a minimum cumulative 3.00 UNC GPA

**Honors Capstone Project Design — 2 credits**

Take at least two credits from the following.

HON 351	Junior Honors Seminar	1-3
	or	
UNIV 432	McNair Scholars Research Studies II	2
LIB 251	Research as Inquiry: Exploration for Beginning Researchers	1

Notes:

- HON 351 is repeatable for a maximum of 3 credit hours.
- UNIV 432 is restricted to students enrolled in the McNair Scholars Research Program. For more information about the program, see [www.unco.edu/mcnair/](http://www.unco.edu/mcnair/)

**Honors Capstone Project — 2 credits**

Note: HON 451 is repeatable with a maximum of 3 credit hours. Students may complete their Capstone Project through HON 451 or any equivalent departmental capstone course on the list below.

HON 451	Senior Honors Research Thesis	1-3
AFS 490	Seminar in Africana Studies	3
ANT 470	Seminar in Anthropology	3
ASIA 499	Asian Studies Thesis	3
BACS 488	Senior CIS Project	3
CHEM 499	Seminar and Research in Chemistry	1-3
COMM 491	Communication Theory Capstone	3
CS 497	Senior Project	1-8
ECON 475	Senior Seminar	3
ENST 491	Senior Capstone	2
GEOG 491	Senior Capstone	2
HIST 480	Seminar in History	3
HIST 580	Seminar in History	3
INTR 450	Senior Capstone	3
MUS 414	Transitional Capstone Course in Music Education	2
NURS 446	Clinical Practice Capstone	5
PHIL 495	Advanced Seminar	3
PHYS 470	Research II	1-3
PSCI 405	Senior Seminar in American Politics	3
PSCI 415	Senior Seminar in Comparative Politics	3
PSCI 425	Senior Seminar in International Relations	3
PSCI 435	Senior Seminar in Political Philosophy	3
RTH 490	Evaluation and Research in Recreation, Tourism and Hospitality	3
SOC 400	Senior Seminar	3
STAT 489	Project in Data Science	2

THEA 454	Theatre Studies Senior Seminar	1
THEA 464	Audition Techniques	3

***Every final Honors Capstone project must be approved by the Honors Program and presented in a public forum to fulfill the capstone requirement.*** Students who choose a departmental capstone course should consult regularly with the Honors program to ensure they are on track to meet this requirement.

Students who complete the Honors Capstone Project without participating in the full University Honors experience will receive an "Honors Capstone" designation on their transcript.

The Honors Capstone is also embedded in the full University Honors program. Students who complete the full program earn recognition at commencement and a designation of "University Honors" on both their transcript and diploma. See the University Honors tab for details.

## COURSE DESCRIPTIONS

Course designation information can be found in the **Course Designation Policy** (p. 31). Course fee and differential tuition information can be found at [www.unco.edu/costs/](http://www.unco.edu/costs/).

### AFS - Africana Studies

College of Humanities and Social Sciences

*Africana Studies Program (p. 87)*

#### **AFS 100 - Introduction to Africana Studies (3)**

Reviews the emergence of Africana Studies as an interdisciplinary field and also presents a rudimentary panorama of the African diaspora. Methodological questions and intellectual debates within the field are introduced.

Course Attribute: LAH1-History and LAMS-Multicultural Studies and GT History.

#### **AFS 101 - Development of Black Identity (3)**

Addresses social conditions that led to formation of Black identity, including that of African American. Of special interest are Negro-to-Black conversion experiences, concepts of racism and racial subordination, plus the construction of racial identity.

Course Attribute: LAH1-History and LAMS-Multicultural Studies and GT History.

#### **AFS 102 - The Black Woman in America (3)**

Review the contributions of African American women historically in this country in the areas of social and political struggle, education, business, science and sports.

#### **AFS 104 - Survey of Africa (3)**

Explores the geography, culture, philosophy, history, art, politics, economics, women and literature of Africa.

#### **AFS 201 - African American History I (3)**

A survey of the Black experience from the African homeland including initial capture, enslavement and emancipation - 1526 - 1865.

Course Attribute: LAH1-History and GT History.

#### **AFS 202 - African American History II (3)**

Examines the lives of African Americans from emancipation to the present.

Course Attribute: LAH1-History and GT History.

#### **AFS 205 - Survey of African American Literature (3)**

Literature by African Americans is explored. Genres include political tracts, novels, speeches, essays, autobiographies, folk literature, biographies, poetry and drama from the early years of the United States through today.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

#### **AFS 240 - Dynamics of Racism (3)**

Racism, its social connection to human physical difference (i.e. race) studied. References made to African/European relations, development of racist thought, major sociological models used in United States, re: race relations.

#### **AFS 303 - Blacks in the American West (3)**

A guided exploration into the lives and accomplishments of African Americans in the western United States. The periods concentrated on will be from the early contact through the 21st century.

#### **AFS 310 - African Americans and U.S. Education (3)**

This course introduces students to the history of African American diverse educational experiences and accomplishments within the U.S. educational system. Students will be able to articulate the historical, economical, social and political precedents when examining contemporary educational issues and policy.

#### **AFS 340 - The Black Family (3)**

A social system approach to the study of the African American family, dynamics of family relationships and effects of social, political and economic institutions on black family life.

#### **AFS 360 - Routes of Black Music (3)**

The historical, thematic and stylistic development of black music from ancient Africa to the present.

Mutually Exclusive Course: Credit allowed for only one of these courses: AFS 360 and MUS 363.

**AFS 395 - Aspects of the African-American Experience (3)**

This is an advanced variable-titled seminar that examines diverse topics in African American history and culture determined by the course subtitle.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**AFS 396 - African and African American World Views (3)**

African and African American world views. A study of the philosophy of people of African descent from ancient Africa to the New World.

**AFS 399 - Community Study Project (1-4)**

Supervised field work on a community-based project related to issues in Africana Studies. Paper analyzing experience required. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

**AFS 404 - History of Blacks in Film (3)**

This course will evaluate the depictions of African Americans and other Blacks in cinema. Students will be expected to analyze those portrayals in historical, political and social contexts.

**AFS 415 - Black Psychology (3)**

Examines Psychological issues such as African world views, social constructivism, stages of Black identity development, the impact of racism on Black psychology, mental health, trauma, abuse, and addiction issues.

**AFS 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**AFS 450 - African American History, 1896-Present (3)**

A critical examination of African American history from the pivotal 1896 Homer Plessy U.S. Supreme Court decision to the present.

**AFS 456 - The Black Church and Religious Traditions (3)**

Since the African American culture is not monolithic, the course will explore diverse perspectives on how religion and spirituality relate to the Black experience in cultural, political, and personal ways.

**AFS 490 - Seminar in Africana Studies (3)**

Preparation for advanced reading and research in Africana Studies. Topics address theories, research methodology and issues of current interest in Africana Studies research. Consultation required on research project chosen by student.

Prerequisite: (AFS 100 and AFS 104 and AFS 201 and AFS 202 with a minimum grade of D-).

**ANT - Anthropology**

College of Humanities and Social Sciences

*Department of Anthropology (p. 81)*

**ANT 110 - Introduction to Cultural Anthropology (3)**

A course in the concept of culture, how cultural processes work, variation in cultural practices, the method of cross-cultural comparison and culture change.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**ANT 120 - World Archaeology (3)**

A broad background in prehistoric archaeology reviewing important sites around the world. Emphasis will be on anthropological interpretation of archaeological materials, the evolution of past cultures and cultural processes.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys. Course Fee: Course Fee Required.

**ANT 130 - Introduction to Biological Anthropology (3)**

This is a course in evolutionary theory, primate biology, human paleontology, and human adaptation. It focuses on the evolution of humans and the impact of culture on our evolutionary biology.

Course Attribute: LAS1-Natural &Physical Science and GT Natural & Phys Science. Course Fee: Course Fee Required.

**ANT 130L - Introduction to Biological Anthropology Laboratory (1)**

This is a science course on human evolution exploring what makes our species unique, strange, and wonderful. The lab component of this course reinforces and illustrates the concepts explored in lecture through hands-on and collaborative laboratory activities.

Corequisite: ANT 130. Offered: Generally offered Fall, Spring, and/or Summer Annually. Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**ANT 212 - North American Indians (3)**

Survey the culture areas of Native American groups in North America, with a focus on the United States.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**ANT 233 - Anthropological Linguistics (3)**

Anthropological Linguistics, also called "ethnolinguistics," is the study of human communication that looks at the origin and evolution of language. This course examines the relationship between language, culture and cognition.

**ANT 245 - Introduction to Ethnomusicology (3)**

Definition, history, and scope of Ethnomusicology; its role in the study of human behavior and cultures, and its relationship with musicology, anthropology, history, culture, religion, and humanities. Survey of functional music in different socio-cultural settings. Exploration of ethnomusicological theories, research, and fieldwork study.

Mutually Exclusive Course: Credit allowed for only one of these courses: ANT 245 and MUS 245. Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**ANT 270 - Professional Development (3)**

Explore career options for anthropology majors, and practice research and professional development skills.

**ANT 292 - Culture and Conflict (3)**

An examination of the cultural, political and economic ideologies that gave rise to major conflicts of the 20th century.

Mutually Exclusive Course: Credit allowed for only one of these courses: ANT 292 and MIND 292. Course Attribute: LAA3-Arts&Hum-Ways of Thinking.

**ANT 296 - Study Abroad Experience (3)**

Engage, through experiential learning, travel, and cultural immersion abroad, in gaining better understanding of other countries' cultures and cultural heritages and appreciation of the diversity and richness of human societies. S/U graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 3 times.

**ANT 300 - Applied Anthropology (3)**

Examine the variety of tools used in applied anthropology towards heritage resource management and Social Impact Assessment (SIA).

Offered: Generally offered Spring Annually.

**ANT 313 - Anthropology of Globalization (3)**

Examine transnationalism from an anthropological perspective, focusing on interactions between global and local forces and the implications of globalization and development for people's everyday lives in sites around the world.

Offered: Generally offered Fall Odd Years. Class Restriction: Include Sophomore and Junior and Senior.

**ANT 314 - Anthropology of Sex and Gender Diversity (3)**

Study biologically and culturally determined gender role differences by comparing sex-related behavior in a variety of cultures.

**ANT 315 - Life History and Culture (3)**

A course in ethnographic writing focusing on methods of life history/life cycle research and analysis. Students will learn cultural interviewing techniques and will complete a written life history.

**ANT 316 - Global Conflict and Gender (3)**

This course uses multiple theoretical perspectives to provide a cultural analysis of conflict and war and their gendered effects on women, men, and other genders across the globe.

Mutually Exclusive Course: Credit allowed for only one of these courses: ANT 316 and GNDR 316.

**ANT 317 - Contemporary Native American Issues (3)**

Deals with the cultural, historical, social, political and legal analysis of the status of contemporary American Indians in the United States.

**ANT 320 - Archaeological Research Methods (3)**

Review field methods and laboratory techniques utilized in archaeology. Topics include locational analysis, stratigraphy, typological analysis, dating techniques and research publication.

Offered: Generally offered Fall Annually. Course Fee: Course Fee Required.

**ANT 321 - Archaeology of North America (3)**

Study Native American cultures of North America with an anthropological archaeology focus. This course covers the time from the earliest Native Americans to early European migrations to the continent.

Offered: Generally offered Fall Even Years.



**ANT 325 - Fieldwork in Archaeology (4)**

Introduction to archaeological field methods through participation in an archaeology field experience.

Offered: Generally offered Summer - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Participation Fee Required.

**ANT 328 - Public Archaeology (3)**

Covers cultural resource management, heritage law, outreach and education, stewardship of cultural heritage, research aimed at helping communities and solving practical problems, and building and maintaining relationships with the public.

Offered: Generally offered Spring Annually.

**ANT 330 - Forensic Anthropology (3)**

Required laboratory arranged. A course in human osteology emphasizing skeletal anatomy and the identification of age, sex, stature, pathology and race in skeletal material. Archaeological, paleontological and forensic applications will be presented.

Prerequisite: (ANT 120 or ANT 130 or CRJ 110 with a minimum grade of D-). Course Fee: Course Fee Required.

**ANT 331 - Anthropology and Contemporary Human Problems (3)**

Anthropological perspectives and methods are used to critically examine the assumptions and actions underlying social and environmental contemporary human problems as well as those involved in efforts to address them.

Mutually Exclusive Course: Credit allowed for only one of these courses: ANT 331 and ENST 331.

**ANT 332 - Modern Human Variation (3)**

This course explores biocultural human variation and human adaptations to their cultural and physical environments. We discuss which human variations result from genes, culture, and/or environment.

Prerequisite: (ANT 120 or BIO 100 or BIO 110 with a minimum grade of D-).

**ANT 333 - Anthropology of Religion (3)**

Provides a framework for understanding anthropological approaches to the study of belief systems as well as the nature of faith and religious experiences in some of the world's religions.

Prerequisite: (ANT 100 or ANT 110 with a minimum grade of D-).

**ANT 335 - Primate Behavior (3)**

This course examines behavior among living primates in order to make inferences about human and hominin behaviors.

**ANT 338 - World Rebuilding (Paleoecology) (3)**

An introduction to how scientists reconstruct the world's ancient habitats through paleoecology (studying fossil organisms and their environment). Covers ecological/evolutionary principles, multiple methods for reconstructing ancient environments, and data interpretation/synthesis/evaluation.

Prerequisite: (ANT 130 or BIO 110 with a minimum grade of D-).

**ANT 340 - Quantitative Methods for Anthropology (3)**

Learn skills of measuring and analyzing information on human biological variability. Topics include the analysis of physique, habitual activity analysis, health screening and statistical techniques for describing samples of data.

**ANT 350 - Field Methods in Cultural Anthropology (3)**

Introduction to fieldwork methods in cultural anthropology. Study ethnographic techniques through first-hand investigation of other cultures.

Prerequisite: (ANT 100 or ANT 110 with a minimum grade of D-).

**ANT 355 - Medical Anthropology (3)**

The study of human health as a result of relationships within a population, between neighboring populations and among the life forms and physical components of a habitat.

**ANT 367 - The End of the World (3)**

Through readings, documentaries, intensive discussion, and their own ethnographic research, students will examine the definitions, causes, and consequences of civilizational and societal collapse with respect to archaeological, cultural anthropological, and anthropologically speculative case studies.

Special Notes: ANT 367 cannot be retaken for credit if ANT 395 "End of the World" title was taken in Fall 2020 or Fall 2021.

Offered: Generally offered Fall Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: ANT 367 and ANT 395.

**ANT 395 - Topics in Anthropology (3)**

Study of a theme or geographic area in cultural, biological, archaeological, or linguistic anthropology.

Prerequisite: (ANT 100 or ANT 110 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 18 credit hours.

**ANT 408 - Workshop in Anthropology (3 - 12)**

Topics in practicing anthropology. Group experiences in working on selected problems in anthropology.

Class Restriction: Include Sophomore and Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**ANT 421 - Prehistoric Europe (3)**

This course reviews the prehistory of Europe through archaeological evidence. Our coverage ranges from the arrival of archaic humans ca. 800,000 BP to the expansion of the Roman Empire around 2000 BP.

Prerequisite: (ANT 120 or ANT 320 with a minimum grade of D-).

**ANT 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**ANT 430 - Human Evolutionary Anatomy (3)**

A detailed study of the structure and functions of the human musculoskeletal system in a comparative and evolutionary perspective.

Prerequisite: (ANT 100 or ANT 120 or ANT 130 or BIO 110 with a minimum grade of D-). Course Fee: Course Fee Required.

**ANT 470 - Seminar in Anthropology (3)**

A seminar exploring diverse topics surrounding the question of defining human nature.

Offered: Generally offered Spring Annually. Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**ANT 492 - Internship (1-12)**

Anthropological field experiences in ethnology, museology, education, government or politics.

Prerequisite: 9.0 Credit Hours in ANT. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 12 credit hours.

**APCE - Applied Psychology and Counselor Education**

College of Education and Behavioral Sciences

*Department of Applied Psychology and Counselor Education (p. 78)*

**APCE 385 - Practicum in Community Engagement: Campus Connections (3)**

Campus Connections is a service-learning course where students mentor at-risk youth. Students work with mentees in a group setting to provide academic support, social skill development, goal setting, and wellness programming.

Course Attribute: Community Engaged Learning. Repeatable Status: Course may be repeated 3 times. Course Fee: Participation Fee Required.

**APCE 450 - Facilitating Career Development (NCDA) (3)**

Study theory and methods of the career facilitation process, become familiar with formal and informal career assessment instruments, and learn about legal and ethical issues related to career facilitation services.

Class Restriction: Include Junior and Senior.

**ART - Visual Arts**

College of Performing and Visual Arts

*School of Art & Design (p. 102)*

**ART 171 - Introduction to Visual Communication Design (3)**

Principles and practices in applying computer graphics in art. General computer orientation: hardware/software configuration, peripherals. Students will create electronically generated art graphics. No experience in computer science is required.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 177 - Creative Photography (3)**

This course is designed for students who are not art majors/ minors, but have interest in photography as a creative medium. Basic Camera types and functions, creative photographic techniques, photography apps, software and visual literacy will be introduced.

Major/Minor Restriction: Exclude Art & Design Major(s).  
Course Fee: Differential Tuition Required.

**ART 180 - Contemporary Art History (3)**

An introduction to modern, late modern, and postmodern art.

Offered: Generally offered Fall and/or Spring Annually.  
Course Fee: Differential Tuition Required and Course Fee Required.

**ART 181 - Ancient Art History (3)**

This is a general survey class of global art traditions of Ancient cultures from Paleolithic art to the Byzantine Empire. The emphasis of this survey is on the major movements and civilizations, methods of analysis, historical and cultural context.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ART 182 - Medieval to Rococo Art History (3)**

This is a general survey class of global art traditions from Early Medieval to the Baroque Art. The emphasis of this survey is on the major movements and Civilizations, methods of analysis, historical and cultural context.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ART 183 - 2D Design (3)**

Exploration of the elements of line, shape, color, value, space and texture in 2D surface design. Experiences with materials, methods, conceptualization, ideation, visual problem solving and evaluation.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 184 - 3D Design (3)**

Exploration of the elements of line, shape, color, value, space and texture in 3D spatial design. Experiences with materials, methods, conceptualization, ideation, visual problem solving and evaluation.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 185 - Neoclassic to Modern Art History (3)**

A general survey class of global art traditions from Neo-classical Art to Modern Art. The emphasis of this survey is on the major movements and civilizations, methods of analysis, historical and cultural context.

Offered: Generally offered Fall and/or Spring Annually.  
Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ART 190 - Art Appreciation (3)**

Introduction to further enhance an understanding and appreciation of the functional and expressive nature of architecture, painting, sculpture and the applied arts.

Major/Minor Restriction: Exclude Visual Arts (and) Art & Design Major(s). Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ART 210 - Introduction to Ceramics (3)**

This course is an introduction to the use of clay. The student will learn techniques used in wheel throwing and hand building and safe handling of ceramics chemistry and equipment.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Art & Design (and) Arts Entrepreneurship Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 221 - Fiber Design I (3)**

A studio course involving several fiber construction processes and fabric surface treatments in two or three dimensions.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Spring - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 224 - Research and Writing in the Visual Arts (3)**

Introduction to research, writing, and methods in art history.

Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 231 - Painting I (3)**

Fundamentals of painting. Materials and techniques in basic procedures of studio painting.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 234 - Drawing I (3)**

Deal in depth with concepts, techniques and materials. Problem areas include composition, content, technical concerns, use of color and a range of material use from traditional to contemporary alternatives.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 237 - Introduction to Digital Media (3)**

Current trends in technology are discussed through exploration of various digital media. Knowledge related to art, page layout, time and space related media is stimulated through building a portfolio.

Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 248 - Introduction to Art Education/Art for the Exceptional Child (3)**

Assigned placements in K-12 classrooms (25 hours of in-field participation). An overview of the characteristics, needs, and instructional adaptations suitable for teaching visual arts to the exceptional learner.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-) and (Concurrent Prerequisite EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Offered: Generally offered Fall Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Attribute: Community Engaged Learning. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 250 - Introduction to Printmaking (3)**

The course focuses on basic techniques of Intaglio and Relief Printmaking, including dry point and monotype techniques in Intaglio, and linoleum cut and wood cut in Relief Printmaking.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Art & Design Major(s)/Minor(s). Course Fee: Differential Tuition Required and Course Fee Required.

**ART 261 - Introduction to Sculpture (3)**

Introduction to materials, processes and concepts fundamental to making sculpture.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 265 - Metalsmithing (3)**

Introduction to materials, processes and concepts basic to making jewelry.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 268 - Introduction to Game Design (3)**

This course introduces game design, theory and history. Students will learn about the various skills/knowledge important to the field.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 269 - Introduction to Web Design (3)**

This course covers industry-standard design guidelines and its application to planning, design and development of web pages.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 270 - Graphic Design I (3)**

This survey course introduces students to graphic design as a conceptual and visual discipline. Emphasis is placed on creative problem solving through a variety of exercises and projects using traditional and digital media.

Prerequisite: (ART 171 or ART 237 with a minimum grade of D-) and (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 271 - Introduction to Photography (3)**

This course is the beginning level study of digital photography. Learn camera operation, electronic image editing and techniques to improve one's skill as a photographer. This course also emphasizes conceptualization, aesthetic sensitivity and appreciation of the medium as the democratic vehicle for communication.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Art & Design Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 275 - Introduction to Motion Graphics (3)**

This course covers establishing motion graphics fundamentals including visual rhythm, kinetic typography, continuity, multi-planar effects and other intermediate industry techniques.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 276 - Introduction to Page Layout (3)**

This course covers creating new documents, importing files, working with text, alignment tools, and managing colors to produce high quality documents for print and on-screen delivery.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 277 - Introduction to Raster-Graphics (3)**

This course explores fundamental techniques in raster-graphics software. Students will use raster tools, layers multiple images and masks in order to construct and modify digital images.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 278 - Introduction to Vector-Graphics (3)**

This course explores fundamental techniques in vector-graphics software. Students will use vector tools, text and image tracing in order to create vector artwork for web, video and print.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 279 - Introduction to Video (3)**

This course addresses the theory and practice of film/video production. Students gain experience and understanding of camera operation, audio control, basic directing, lighting, editing and effects.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 290 - Visual Problem Solving (3)**

Explore concepts of visual thinking, communication and the meaning of visual images as icons, signs and symbols. Analyze images and art objects. Learn and apply strategies for visual problem solving.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ART 301 - The Working Artist: Preparation (3)**

This course prepares the visual art student for a career as a commercial or working fine artist. Areas to be researched include identity and presentation, an introduction to professional structures, and innovative pathways for the professional artist. Students will examine their professional goals, and how to navigate the creative process and the unique challenges of being a professional artist.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 308 - Workshop in Art (1-4)**

Arts workshops are for the study of specialized areas in art, art education, art history, graphic arts and related fields. Specific workshop content is determined by subtitle. S/U or letter graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 314 - Wheel Throwing (3)**

In this course students will develop techniques used in forming clay with the potters wheel. Course concentrates on form and function. Students will also operate the ceramics lab and equipment.

Prerequisite: ART 210 with a minimum grade of D-. Major/Minor Restriction: Include Arts Entrepreneurship (and) Art & Design Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 315 - Ceramic Design (3)**

In this course students will develop techniques used in forming clay including coil, slab, slip casting and other mold making techniques. Students will also operate the ceramics lab and equipment.

Prerequisite: ART 210 with a minimum grade of D-. Major/Minor Restriction: Include Art & Design (and) Arts Entrepreneurship Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 331 - Painting II (3)**

Development of individual expression in studio painting and development of mastery of the mediums.

Prerequisite: ART 231 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 333 - Life Drawing (3)**

Fundamentals of life drawing emphasizing proportions, anatomy and aesthetic relationships.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Fall Annually. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 334 - Drawing II (3)**

Designed to encourage exploration of a broad variety of sources for drawing images, drawing concepts and thematic interpretation and expression. Designed for advanced drawing students.

Prerequisite: ART 333 with a minimum grade of D-. Offered: Generally offered Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 338 - Digital Illustration and Storytelling (3)**

The course is designed to introduce techniques used for concept visualization as a cross-disciplinary, research-based environment. Connections between data presentation in digital media will be discussed.

Prerequisite: ART 237 with a minimum grade of D-. Major/Minor Restriction: Include Art & Design Major(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 340 - Foundations of Art Education (3)**

An in-depth study of the field of art education and pre-professional related areas including: learning theory, aesthetics and psychology.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 342 - Curriculum and Instruction in Art: Studio Strategies (3)**

Study curriculum development and art learning activities appropriate for instruction in elementary and secondary art education.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Spring Annually. Class Restriction: Include Junior and Senior. Course Attribute: Community Engaged Learning. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 345 - Clinical Experiences I: K-12 Art (3)**

Gain practical experience in the classroom with variety of materials, art subject matter and with varying age groups. Requires classroom observation and participation with weekly seminar.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-) and (Concurrent Prerequisite EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Art & Design Major(s)/Minor(s). Course Fee: Differential Tuition Required and Course Fee Required.

**ART 353 - Intaglio Printmaking (3)**

The course focuses on the following media: soft ground, hard ground, aquatint, feather biting, and spit biting. Innovative solutions to technical problems, development of personal images, and fundamental skills are emphasized.

Prerequisite: ART 250 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 356 - Monotypes (3)**

Investigation in techniques of creating monotypes and monoprints (one-of-a-kind printed images). Individual imagery and technical development are emphasized.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 358 - Relief Printmaking (3)**

The course focuses on media in Relief Printmaking: Linocut, Wood Cut, Reduction Woodcut, Callographs, and Engraving. Printed with Oil-based and Water-based inks, on and off-press printing will be investigated.

Prerequisite: ART 250 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 362 - Sculpture: Casting (3)**

Problems in specific casting processes in sculpture, including intermediate level bronze, aluminum metal casting, and alternative non-metal casting materials and techniques. Non-traditional approaches to casting will also be covered.

Prerequisite: ART 261 with a minimum grade of D-. Major/Minor Restriction: Include Art & Design Major(s)/Minor(s). Course Fee: Differential Tuition Required and Course Fee Required.

**ART 363 - Sculpture: Fabrication (3)**

Problems in fabrication in sculpture, including: steel, aluminum, wood, and plastics. Processes examined include: intermediate level MIG welding, brazing, other types of connections and wood joinery.

Prerequisite: ART 261 with a minimum grade of D-. Major/Minor Restriction: Include Art & Design Major(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 367 - Introduction to Digital Fabrication (3)**

This class will introduce the methods and practices of digital fabrication to produce creative works in studio and/or design. Learn the basics of 3D modeling and computer-aided manufacturing to produce functional and conceptual work that suit your artistic interests.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 368 - Game Design II (3)**

This course utilizes the tools and techniques required to create the components of game design including: narrative structure, character development, design and storyboarding.

Prerequisite: ART 268 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 369 - Game Design III (3)**

This course covers advanced techniques for creating artistic games utilizing various digital media. Collaborative production will involve code, video and sound, focusing on game production and prototyping.

Prerequisite: ART 368 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 370 - Graphic Design II (3)**

The continued study of the conceptual and applied aspects of graphic design. Projects and exercises challenge students to better understand and utilize design strategies, theories and systems.

Prerequisite: ART 270 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 374 - Photography: Black & White Film (3)**

This course covers 35mm and large format black and white film photography. Students also address concepts and aesthetics of documentary and editorial photography.

Prerequisite: ART 271 with a minimum grade of D-. Major/Minor Restriction: Include Art & Design Major(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 375 - Photography: Digital Capture (3)**

Students will learn a variety of digital and photographic techniques in order to come up with creative solutions to conceptual and aesthetic challenges.

Prerequisite: ART 271 with a minimum grade of D-. Major/Minor Restriction: Include Art & Design Major(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 376 - Typography (3)**

Students explore the theoretical, expressive and applied use of typography as an integral part of visual communication. Coursework materials cover the application of typographic formats and systems, along with the history of conventional and emerging design theories.

Prerequisite: ART 270 with a minimum grade of D-. Class Restriction: Include Sophomore and Senior and Junior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 401 - The Working Artist: Practicum (3)**

This course provides the visual art student with practical experience toward the goal of becoming a commercial or working fine artist. Areas of research include: developing an identity, website development, professional portfolio development, legal structures, copyright and intellectual property laws, marketing and advertising, and networking through professional/group associations.

Prerequisite: ART 301 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 410 - Advanced Ceramics (3)**

This course is an advanced exploration of clay. Students will be given the freedom to work with both wheel throwing and hand building techniques to complete a series of challenging assignments.

Prerequisite: (ART 314 or ART 315 with a minimum grade of D-). Major/Minor Restriction: Include Art & Design (and) Arts Entrepreneurship Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 415 - Ceramic Studio (1-3)**

Individualized or specialized study on specific topics in ceramics.

Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 422 - Directed Studies in Art (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 426 - Introduction to Museum Studies (3)**

Introduction to the historical/philosophical nature of museums in addition to current issues within the field, controversial topics, and the ever-evolving role of museums within society.

Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 428 - Museum Leadership (3)**

Students will learn about the history, philosophy, and current issues of Museum Leadership and arts administration.

Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 431 - Painting III (3)**

Continued development of individual expression and mastery of the medium. Emphasis on appropriate use of medium toward creative ends.

Prerequisite: ART 331 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 432 - Advanced Painting (3)**

Advanced Development of individual expression and mastery of the medium. Emphasis on developing a cohesive body of work.

Prerequisite: ART 431 with a minimum grade of D-. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.



**ART 433 - Advanced Drawing (3)**

Individualized or specialized study on specific topics in drawing. Emphasis on exploration and development of ambitious, original approaches to drawing.

Prerequisite: ART 334 with a minimum grade of D-.  
Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Art & Design Major(s). Class Restriction: Include Sophomore and Junior and Senior.  
Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 437 - Computer Art (3)**

Principles and practices for computer application in the visual arts. Create art projects and gain knowledge of trends in computer graphics, digital technology and hardware/software configuration.

Prerequisite: ART 237 with a minimum grade of D-.  
Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 439 - Computer Graphics Studio (1-3)**

Individualized or specialized study on specific topics related to computer graphics.

Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 441 - Cultural Studies in the K-12 Curriculum (3)**

The course examines the teaching of art based on local and global cultural contexts including past traditions and current issues. The course includes art making experiences in the community.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Spring Annually. Course Attribute: Community Engaged Learning. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 444 - Methods of Teaching Art in the Elementary School (1)**

The class introduces elements of the visual arts and aesthetics that are applicable to children's learning in the elementary classroom.

Prerequisite: (GPA-2.75) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Course Fee: Differential Tuition Required and Course Fee Required.

**ART 445 - Clinical Experiences II: K-12 Art (3)**

Gain practical experience in the classroom with variety of materials, subject matter and with varying age groups. Requires observation in public school visual arts classrooms, participation in a variety of classroom experiences including preparing, teaching and assessing a visual arts unit and participation with weekly seminar.

Prerequisite: (ART 345 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Art & Design Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 447 - Multimedia in the Arts-Methods and Materials (3)**

Students investigate thematic interpretation of ideas and express them in a variety of systems. Through conceptual thought & formatting, students will explore an integration of 2D/3D projects.

Prerequisite: (ART 183 and ART 184 and ART 234 with a minimum grade of D-). Offered: Generally offered Summer - Check with department/school for next offering. Major/Minor Restriction: Include Art & Design (and) Visual Arts Major(s)/Minor(s). Class Restriction: Include Senior. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**ART 449 - Current Issues in Art (3)**

A study of cultural, social, philosophical, and theoretical issues in the arts. The course includes discussion of educational, museum, gallery and visual culture contexts including studio and post-studio practices.

Prerequisite: ART 185 with a minimum grade of D-.  
Offered: Generally offered Fall Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 452 - Advanced Printmaking (3)**

The course focuses on linocut, reduction woodcut, callographs, and engraving in Relief and in Intaglio on soft ground, hard ground, aquatint, feather biting. Development of personal images are emphasized.

Prerequisite: (ART 353 or ART 358 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 462 - Advanced Sculpture (3)**

Instruction in advanced skills, techniques and concepts in sculpture at the undergraduate level. Emphasis on developing a coherent body of work.

Prerequisite: (ART 362 or ART 363 with a minimum grade of D-). Major/Minor Restriction: Include Art & Design Major(s). Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 465 - Advanced Metalsmithing (3)**

Extension of increasingly skilled and sophisticated techniques/processes in jewelry and metalwork.

Prerequisite: ART 265 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 466 - Visual Arts Student Teaching Seminar (1)**

This seminar provides persons actively involved in the student teaching program in Visual Arts with a support system and pertinent information to assist them during their field experience.

Prerequisite: (EDFE 130 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: EDFE 444. Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Art & Design Major(s). Course Fee: Differential Tuition Required.

**ART 467 - Advanced Digital Fabrication (3)**

This class will re-enforce the methods and practices of digital fabrication learned in Introduction to Digital Fabrication to produce creative works in studio and/or design. 3D modeling and computer-aided manufacturing will be utilized to produce functional and conceptual work at a more advanced level.

Course Fee: Differential Tuition Required and Course Fee Required.

**ART 468 - Game Design IV (3)**

This course familiarizes students with advanced techniques used for creating artistic games with the use of various digital media. Collaborative production will involve code, video and sound, focusing on game production and prototyping.

Prerequisite: ART 369 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 469 - Interactive Design (3)**

This course concentrates on the design, development, implementation of effective web and interactive media applications. Projects emphasize the principles of graphic design, interactivity and usability.

Prerequisite: ART 270 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 470 - Narrative Design (3)**

Advanced level graphic design course with an emphasis on narrative, multi-page and sequential design. Projects utilize advanced typographic and organizational systems using traditional and digital processes and media.

Prerequisite: ART 376 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 471 - Computer Graphics (3)**

Exploration of computer graphics discipline by solving problems in computer based communication and visualization of ideas and processes across various disciplines. Presentation of interdisciplinary concepts as 2-D and 3-D objects.

Prerequisite: ART 237 with a minimum grade of D-. Offered: Generally offered Spring - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 473 - Brand Identity Design (3)**

Advanced studio course focusing on the visual expression of branding and identity systems. Students use contemporary design analysis, research and creative strategy techniques, develop comprehensive branding and marketing campaigns, and execute quality presentations.

Prerequisite: ART 376 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 474 - Graphic Studio (1-3)**

Individualized or specialized study on specific topics in graphics.

Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 479 - Senior Project (3)**

The course focuses on the completion of a self initiated senior project and preparation of a professional portfolio. Students research and prepare capstone projects, and prepare a cohesive body of work for graduation.

Prerequisite: (ART 376 and Concurrent Prerequisite ART 469 and Concurrent Prerequisite ART 470 and Concurrent Prerequisite ART 473 with a minimum grade of D-).  
Course Fee: Differential Tuition Required and Course Fee Required.

**ART 481 - Advanced Photography (3)**

This course provides the student with the opportunity to undertake a specialized study of a photographic process, technique or topic.

Prerequisite: ART 271 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 483 - Gender and Art (3)**

This course addresses aspects of gender in art across times and cultures.

Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 484 - Asian Art History (3)**

Students will learn about the arts traditions of East Asia and the aesthetic underpinnings of traditional East Asian culture.

Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 487 - Latin American Art (3)**

Explores modern & contemporary Latin American art.

Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 488 - Art of the Nineteenth Century (3)**

Study of art and architecture from the 19th century, with a focus on Europe and America.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 492 - Internship in Art (1 - 5)**

Supervised professional activity in major field of study. Must spend a minimum of 30 clock hours per credit hour.

Major/Minor Restriction: Include Art & Design (and Visual Arts Major(s)). Class Restriction: Include Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 493 - Museum Studies Practicum (3)**

This course provides emerging museum professionals hands on experience, skill-sets, and theories essential in producing museum quality exhibitions within the field of Museum Studies.

Prerequisite: ART 426 with a minimum grade of D-. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 495 - Topics in Art (1-4)**

In depth study of topics in art and art history.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required and Course Fee Required.

**ART 496 - Art of the Twentieth Century (3)**

In depth study of art in Europe and the Americas from 1900 through post-modernism.

Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**AS - Aerospace Studies****Undergraduate Studies**

*Reserve Officer Training Corps (ROTC) (p. 108)*

**AS 101 - United States Air Force Heritage and Values I (1)**

Part 1 of a full year survey course designed to introduce students to the United States Air and Space Forces and provides an overview of the basic characteristics, missions, and organization of the Air and Space Forces.

Offered: Generally offered Fall Annually.

**AS 102 - United States Air Force Heritage and Values II (1)**

This course is designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.

Special Notes: AS 104 (GMC Leadership Lab II) is a required co-requisite to this course.

**AS 103 - General Military Course Leadership Laboratory (1)**

This is a mandatory laboratory designed to complement AS 101 by providing cadets with leadership, management and followership experiences. S/U graded.

**AS 104 - General Military Course Leadership Laboratory II (1)**

This is a mandatory laboratory designed to complement AS 102 by providing cadets with leadership, management and followership experiences. S/U graded.

**AS 201 - USAF Team and Leadership Fundamentals I (1)**

This course provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare cadets for field training and leadership positions in the detachment.

Special Notes: AS 203 (GMC Leadership Lab) is a required co-requisite to this course.

**AS 202 - USAF Team and Leadership Fundamentals II (1)**

This course provides a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare cadets for field training and leadership positions in the detachment.

Special Notes: AS 204 (GMC Leadership Lab) is a required co-requisite to this course.

**AS 203 - General Military Course Leadership Laboratory III (1)**

This is a mandatory laboratory designed to complement AS 201 by providing cadets with leadership, management and followership experiences. S/U graded.

**AS 204 - General Military Course Leadership Laboratory IV (1)**

This is a mandatory laboratory designed to complement AS 202 by providing cadets with leadership, management and followership experiences. S/U graded.

**AS 301 - USAF Leading People and Effective Communication I (3)**

This course utilizes cadets' field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

Special Notes: AS 303 (POC Leadership Lab) is a required co-requisite to this course.

**AS 302 - USAF Leading People and Effective Communication II (3)**

This course utilizes cadet's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

Special Notes: AS 304 (POC Leadership Lab) is a required co-requisite to this course.

**AS 303 - Professional Officer Course Leadership Laboratory V (1)**

Mandatory for students who are members of ROTC or are eligible to pursue a commission as determined by the Professor of Aerospace Studies. Concept of leadership; relationship between leadership and management; importance of leadership in operation and success of organization. S/U graded.

**AS 304 - Professional Officer Course Leadership Laboratory VI (1)**

Mandatory for students who are members of ROTC or are eligible to pursue a commission as determined by the Professor of Aerospace Studies. Concept of leadership; relationship between leadership and management; importance of leadership in operation and success of organization. S/U graded.

**AS 401 - National Security/Commissioning Preparation I (3)**

This course provides college seniors a foundation to understand their role as future military officers and how they will support the United States' National Security Strategy. It provides an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level.

Special Notes: AS 403 (POC Leadership Lab) is a required co-requisite to this course.

**AS 402 - National Security/Commissioning Preparation II (3)**

This course provides college seniors a foundation to understand their role as future military officers and how they will support the United States' National Security Strategy. It provides an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level.

Special Notes: AS 404 (POC Leadership Lab) is a required co-requisite to this course.

**AS 403 - Professional Officer Course Leadership Laboratory VII (1)**

Mandatory for student who are members of ROTC or are eligible to pursue a commission as determined by the Professor of Aerospace Studies. Concept of leadership; relationship between leadership and management; importance of leadership in operation and success of organization. S/U graded.

**AS 404 - Professional Officer Course Leadership Laboratory VIII (1)**

Mandatory for students who are members of ROTC or are eligible to pursue a commission as determined by the Professor of Aerospace Studies. Concept of leadership; relationship between leadership and management; importance of leadership in operation and success of organization. S/U graded.

**ASIA - Asian Studies**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**ASIA 116 - State, Society, and Culture in Contemporary Asia (3)**

A survey of modern Asia in the aftermath of WW II to the present times with special emphasis on its geo-politics, internal as well as international politics, socio-economic development, society and cultures.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**ASIA 216 - South and Southeast Asian Literature (3)**

Surveys major literary works of South and Southeast Asia. Examines regional beliefs, philosophies, world views, traditions, and norms. Explores the adaptation of regional literature into other media.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**ASIA 248 - Asian Musical Culture (3)**

Survey of the music of the Asian continent and their roles in society, religion, history, and politics. Examines theoretical systems, modes of learning, musical instruments, ensembles, and performance practices by cultural groups. Also examines significant genres in national and folk traditions. Explores the impact of westernization and modernization on musical cultures as well as new musical practices in the world music markets of the twenty-first century.

Mutually Exclusive Course: Credit allowed for only one of these courses: ASIA 248 and MUS 248. Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAIS-International Studies and GT Arts.

**ASIA 392 - Internship in Asian Studies (2 - 5)**

Supervised work experience in the public or private sector to allow students practical experience with Asian business practices. S/U graded.

Prerequisite: GPA-2.5. Repeatable Status: Course may be repeated 1 time.

**ASIA 475 - Research Seminar (3)**

Capstone course in which students demonstrate a synthesis of learning accumulated in the major, and conduct advanced research on an important issue in Asian Studies, culminating in a senior thesis. Required for completion of Asian Studies degree.

Mutually Exclusive Course: Credit allowed for only one of these courses: ASIA 475 and FR 475 and GER 475. Class Restriction: Include Junior and Senior.

**ASIA 499 - Asian Studies Thesis (3)**

Conduct advanced independent research in an approved topic in Asian Studies with an Asian Studies faculty member. Required for completion of degree in Asian Studies. S/U graded.

**ASL - American Sign Language**

College of Education and Behavioral Sciences

*Department of ASL & Interpreting Studies (p. 77)*

**ASL 101 - American Sign Language I (3)**

Introduces basics of American Sign Language and Deaf Culture; designed for students for have limited/no knowledge of ASL, focusing on receptive and expressive skills in basic conversation, dialogue, vocabulary development.

Course Fee: Course Fee Required.

**ASL 102 - American Sign Language II (3)**

Expands knowledge of/experiences in American Sign Language skills and Deaf Culture; develops communicative competence at beginning level focusing on receptive and expressive skills in basic conversations, dialogue, vocabulary development.

Prerequisite: ASL 101 with a minimum grade of D-.  
Course Fee: Course Fee Required.

**ASL 201 - American Sign Language III (3)**

Continues to expand knowledge of experiences in American Sign Language and Deaf Culture; designed to emphasize ASL grammar and sentence structure and to develop communicative competence at intermediate level.

Prerequisite: ASL 102 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAMS-Multicultural Studies and GT Foreign Languages.  
Course Fee: Course Fee Required.

**ASL 202 - American Sign Language IV (3)**

Emphasizes ASL vocabulary, grammar structure to develop communicative competence at intermediate level, promoting awareness of cultural behaviors, rules of discourse, and explores regional and dialectal variations in ASL.

Prerequisite: ASL 201 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAMS-Multicultural Studies and GT Foreign Languages.  
Course Fee: Course Fee Required.

**ASL 210 - American Sign Language for Professionals I (3)**

This course is focused on the development of a wide array of ASL skills and Deaf cultural knowledge useful in a variety of professional careers including, business, criminal justice, education, healthcare, psychology, social services, and the humanities.

Offered: Generally offered Fall Spring Annually. Course Attribute: LAB3-Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**ASL 212 - American Sign Language for Professional II (3)**

This course builds on what was learned in ASL for Professional I and continues the focus on the development of a wide array of ASL skills and Deaf cultural knowledge useful in a variety of professional careers including, business, criminal justice, education, healthcare, psychology, social services, and the humanities.

Prerequisite: ASL 210 with a minimum grade of D-.  
Offered: Generally offered Fall and Spring Annually.  
Course Attribute: LAB3-Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**ASL 310 - Deaf Culture and Community (3)**

This course is a survey of psychosocial and sociocultural factors that define Deaf people as members of a linguistic and cultural minority. The history, language, values, and traditions of the deaf community will also be examined.

Prerequisite: ASL 202 with a minimum grade of D-.  
Major/Minor Restriction: Include American Sign Language (and) American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s)/Minor(s).

**AST - Astronomy**

College of Natural and Health Sciences

*Department of Physics and Astronomy (p. 100)*

**AST 100 - The Sky and Planets (4)**

(3 lecture, 2 laboratory) The universe and our place in it. Appropriate for non-science majors.

Mutually Exclusive Course: Credit allowed for only one of these courses: AST 100 and AST 109. Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**AST 101 - Stars and Galaxies (4)**

(3 lecture, 2 laboratory) Covers stars, black holes, galaxies, the Big Bang, and the expansion of the universe. Night time lab component. Appropriate for non-science majors.

Mutually Exclusive Course: Credit allowed for only one of these courses: AST 101 and AST 109. Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**AST 109 - The Cosmos (3)**

Present concepts of the universe, including the "big bang" and "steady state" theories, black holes and continuing expansion. Programs such as "Cosmos" will be studied.

Mutually Exclusive Course: If a student completes AST 109, then credit will not be allowed for these courses: AST 100 and AST 101. Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**AST 301 - Classical Astronomy and the Solar System (3)**

A look at classical astronomy (motions in the night sky), telescopes, and our solar system.

Course Fee: Differential Tuition Required and Course Fee Required.

**AST 302 - Stars and the Milky Way (3)**

A look at the structure, formation, and evolution of stars and the structure, dynamics, and formation of our Milky Way galaxy.

Course Fee: Differential Tuition Required and Course Fee Required.

**AST 303 - Galaxy Formation and Cosmology (3)**

Formation and evolution of galaxies, general relativity, the Big Bang, evolution and fate of the universe.

Prerequisite: MATH 132 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**AST 310 - Techniques in Observational Astronomy (4)**

(3 lecture, 2 laboratory) Introduction to modern techniques in planning, obtaining, reducing and analyzing astronomical observations with focus on hands-on experience with computational tools and procedures.

Prerequisite: (MATH 131 and PHYS 241 with a minimum grade of D-) and (3.0 credit hours in AST). Offered: Generally offered Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**AST 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BA - Business Administration**

Kenneth W. Monfort College of Business

*Department of Accounting and Computer Information Systems (p. 90)*

*Department of Finance (p. 91)*

*Department of Management (p. 90)*

*Department of Marketing (p. 91)*

**BA 150 - Foundations of Business Thought (3)**

Course will introduce the student to the cultural, historical, and philosophical thought surrounding the issues of business throughout the ages.

Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAA3-Arts&Hum-Ways of Thinking and LAMS-Multicultural Studies and GT Ways of Thinking.

**BA 205 - Business Communications (3)**

Composition courses emphasizing planning, organizing, and presenting written business communications for decision making. Use of computer software programs integrated in the writing of business correspondence and reports.

Prerequisite: (ENG 122 with a minimum grade of D- or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34). Course Attribute: LAW2-Intermediate Written Comm and GT Intermediate Composition.

**BA 251 - International Business (3)**

Non-technical introduction to global business operations and planning, including investment issues, comparative management, technology impact, competition, cultural diversity, and legal issues.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and LAIS-International Studies and GT Economics & Political Sys.

**BA 299 - Professional Experience (0)**

Active engagement in professional activities related to field of study. Course will provide problem-solving and independent decision making opportunities. S/U graded.

Major/Minor Restriction: Include Business Administration Major(s).

**BA 415 - International Experience/Study Abroad (1)**

This course consists of a minimum of twenty one days of study or academic/business experience that provides the student with significant observation of and/or interaction with business/management in a different culture.

Course Fee: Differential Tuition Required.

**BA 460 - International Business and Culture (3)**

This seminar course is designed to provide students an in-depth understanding of the cultural values and norms abroad and how they translate into various business practices. International travel will be required. S/U graded.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BA 495 - Executive Professor Special Topics II (1-3)**

A seminar for junior and senior majors and minors, taught by business executives, integrating practical experience into the theoretical curriculum. Topic varies per expertise of Executive Professor. S/U or letter graded.

Major/Minor Restriction: Include Business Administration Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**BAAC - Accounting**

Kenneth W. Monfort College of Business

*Department of Accounting and Computer Information Systems (p. 90)*

**BAAC 220 - Principles of Accounting I (3)**

An introduction to basic principles of accounting. The accounting cycle is examined in relation to recording, classifying, reporting and interpreting financial information for business.

Prerequisite: (24.0 credits required) and (BACS 101 with a minimum grade of C-). Course Fee: Differential Tuition Required.

**BAAC 221 - Principles of Accounting II (3)**

The course examines the concepts and applications of managerial accounting which provides economic, financial, and nonfinancial information for managers and other internal users.

Prerequisite: (BACS 101 and BAAC 220 with a minimum grade of C-). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 301 - Survey of Accounting (3)**

No graduation credit for business majors. A survey course studying accounting as the language of business. Topics include the environment, methods and uses of accounting information, financial statement development and use, and cost information development and analysis for decision making.

Major/Minor Restriction: Exclude Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 320 - Intermediate Accounting I (3)**

An activity course stressing the conceptual framework of accounting, a review of the accounting process, statement presentations of current assets, property, plant, equipment and intangible assets.

Prerequisite: BAAC 221 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 321 - Intermediate Accounting II (3)**

An activity course with emphasis on current and long-term liabilities, investments, stockholders' equity, pensions, leases, income taxes and cash flows.

Prerequisite: BAAC 320 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 322 - Fraud Examination (3)**

An introduction to occupational fraud and white-collar crime with a focus on how and why fraud is committed and how fraud is detected, investigated, resolved, and deterred.

Prerequisite: BAAC 220 with a minimum grade of C-. Major/Minor Restriction: Include Computer Information Systems (and) Network/Info Systems Security (and) Nonprofit Administration (and) Entrepreneurship (and) Global Business (and) Business Administration Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**BAAC 323 - Cost and Managerial Accounting I (3)**

Accumulating and analyzing information for management purposes. Topics include product costing, cost-volume-profit relationships, budgeting and performance evaluation.

Prerequisite: BAAC 221 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.



**BAAC 325 - Income Tax I (3)**

A comprehensive introduction to federal income taxation with emphasis on tax implications of business transactions. Basic tax concepts are applied to a broad range of taxpayer activities and related entities.

Prerequisite: BAAC 221 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 328 - Accounting Systems (3)**

An activity course designed to study elements of accounting information systems. Conceptual modeling, implementation of accounting transaction processing systems, enterprise value chains, business processes, documentation, and control requirements are emphasized.

Prerequisite: (BACS 300 and BAAC 221 with a minimum grade of C-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 329 - Tax Cases (3)**

A case-based course that promotes understanding and application of tax and business research planning. Emphasis is on researching, solving, and presenting business tax planning cases. S/U graded.

Major/Minor Restriction: Include Business Administration Major(s). Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**BAAC 421 - Advanced Topics in Accounting (3)**

This course involves the analysis of accounting data and communication of findings using contemporary technologies.

Prerequisite: BAAC 321 with a minimum grade of C-. Major/Minor Restriction: Include Accounting Concentration(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Letter graded.

Special Notes: Maximum concurrent enrollment is two times.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BAAC 424 - Accounting Ethics (3)**

This course will provide framework tools of ethical decision-making in order to challenge the student to identify and examine their own ethical strategies. This course specifically focuses on the ethical issues that influence the development of both the public and private accounting professions.

Prerequisite: BAAC 320 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 425 - Auditing I (3)**

This is an activity course covering an overview of U.S. GAAS procedures and techniques of auditing including auditor's report, internal control, evidence gathering, legal liability, statistical sampling and computer auditing.

Prerequisite: BAAC 320 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BAAC 427 - Governmental and Institutional Accounting (3)**

This is an activity course involving the study of accounting processes and procedures used by state and local government units and other selected not-for-profit entities.

Prerequisite: BAAC 221 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 429 - Income Tax II (3)**

An activity course that promotes understanding beyond a foundation course. Emphasis is on advanced topics in individual and entities taxation with a focus on tax policy issues and planning implications.

Prerequisite: BAAC 325 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAAC 492 - Internship in Accounting (3)**

Practical work experience allowing the intern the opportunity to utilize the material learned in accounting courses. Credit for the internship is determined by the coordinator. S/U graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Repeatable Status: Course may be repeated 3 times or course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required.

**BAAC 495 - Special Topics in Accounting (1-3)**

This seminar course explores advanced topics in accounting. Special topics will be specified by the instructor. S/U or letter graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**BACS - Computer Information Systems**

Kenneth W. Monfort College of Business

*Department of Accounting and Computer Information Systems (p. 90)*

**BACS 101 - Business Computing (3)**

Develop students' knowledge and skills in applying and utilizing appropriate computer technology and applications. Focus is on developing competencies in leading edge computer applications: spreadsheets, graphics, word processing and operating systems. Students will become competent in using the Internet.

**BACS 180 - Introduction to Software Engineering (1)**

This course examines the principles and theories of software engineering as a discipline. It introduces students to vocabulary, basic principles, and the foundation of software engineering. Software engineering covers concepts to create practical and cost-effective solutions to computing and information systems requirements.

Course Fee: Differential Tuition Required.

**BACS 200 - Web Design and Development for Small Business (3)**

Computer literacy required. Study web site design concepts for e-business applications. Designing, developing, publishing, and managing web sites will be emphasized. Projects focus on web presence requirements for small and midsized companies.

Course Fee: Differential Tuition Required.

**BACS 287 - Fundamentals of Programming (3)**

This course is designed as an introduction to programming for the students who have no or very little programming knowledge and experience. The course provides extensive and immersive practice with hands-on exercises and projects that demonstrate your grasp of coding fundamentals, and build confidence in your ability to think and problem-solve.

Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Business Administration (and) Software Engineering (and) Computer Information Systems Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**BACS 300 - Information Systems (3)**

Topics include information systems technology, strategic uses of information, software, hardware concepts, networking and internet and e-commerce.

Prerequisite: (45.0 credits required) and (BACS 101 or CS 101 or CS 120 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BACS 350 - Intermediate Web Development (3)**

An activity course to develop students' knowledge and skills in developing interactive, data driven e-commerce web sites. Students will employ cutting edge development techniques using industry standard software applications.

Prerequisite: BACS 200 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**BACS 371 - Introduction to Computer Forensics (3)**

The identification, preservation, extraction, interpretation, and presentation of computer-related evidence. Formal methodologies; basics of computer operating systems, file systems and hardware for data storage; fundamental laws and regulations.

Course Fee: Differential Tuition Required.

**BACS 380 - Networking and Data Communications Systems (3)**

This is an activity course involving the study of data communications and networks. Topics include history, media, hardware, software, standards, networks, analysis and design, distributed processing and network management.

Major/Minor Restriction: Include Business Administration (and) Entrepreneurship (and) Global Business (and) Computer Information Systems (and) Nonprofit Administration (and) Network/Info Systems Security (and) Software Engineering Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BACS 382 - Information Security (3)**

First course in information security techniques: study of foundations of security and risk management, implementation of security plans, hands-on analysis of realtime networks using common tools, and defensive techniques.

Prerequisite: BACS 380 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**BACS 383 - Designing User Experiences (3)**

This course presents principles and processes for designing efficient, effective, and satisfying user experiences. The course focuses on user interaction with digital interfaces including mobile phones and websites.

Offered: Generally offered Fall and/or Spring Annually.  
Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BACS 385 - Fundamentals of Project Management (3)**

This course examines the defining characteristics of IT projects. It introduces the student to industry accepted project management practices and methods. The students will utilize mainstream software tools to apply project management to IT projects identifying common processes and techniques required for successful project completion.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BACS 387 - Object Oriented Systems Development (3)**

Introduces the concepts of object-oriented design to students with a background in the procedural paradigm. Emphasis on the development of business applications.

Prerequisite: BACS 287 with a minimum grade of D-.  
Major/Minor Restriction: Include Entrepreneurship (and) Business Administration (and) Global Business (and) Computer Information Systems (and) Nonprofit Administration (and) Network/Info Systems Security (and) Software Engineering Major(s)/Minor(s).  
Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BACS 392 - Systems Platforms and Network Development (3)**

An activity course providing students with the opportunity to work with and manage network servers. The course focuses on implementation of UNIX and Microsoft networking platforms, security, and management.

Prerequisite: BACS 380 with a minimum grade of C-.  
Major/Minor Restriction: Include Business Administration Major(s)/Minor(s).  
Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BACS 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Letter Graded.

Special Notes: Maximum concurrent enrollment is two times.

Major/Minor Restriction: Include Business Administration Major(s)/Minor(s).  
Class Restriction: Include Junior and Senior.  
Course Attribute: Variable Title Course.  
Repeatable Status: Course is repeatable with no limitations.  
Course Fee: Differential Tuition Required.

**BACS 485 - Database Management Systems (3)**

An activity course covering design, implementation and operation of database systems/applications. Topics include database processing, models, organizational planning, logical and physical design, implementation, data organization and data structures.

Prerequisite: (BACS 287 and BACS 300 with a minimum grade of D-).  
Major/Minor Restriction: Include Business Administration (and) Entrepreneurship (and) Global Business (and) Computer Information Systems (and) Nonprofit Administration (and) Network/Info Systems Security (and) Software Engineering Major(s)/Minor(s).  
Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BACS 487 - Systems Analysis and Design (3)**

An activity course that covers systems analysis and design; emphasizes techniques, tools, skills, procedures and end products. Covers investigation, analysis/design.

Prerequisite: (BACS 287 and BACS 300 with a minimum grade of D-).  
Major/Minor Restriction: Include Computer Information Systems (and) Software Engineering Major(s)/Minor(s).  
Class Restriction: Include Senior.  
Course Fee: Differential Tuition Required.

**BACS 488 - Senior CIS Project (3)**

This is an activity course in which students learn and apply software engineering standards and patterns to design, implement, and test software systems.

Prerequisite: (BACS 387 or CS 350 with a minimum grade of C-) and (BACS 487 with a minimum grade of C-).  
Major/Minor Restriction: Include Business Administration (and) Entrepreneurship (and) Global Business (and) Computer Information Systems (and) Nonprofit Administration (and) Network/Info Systems Security (and) Software Engineering Major(s)/Minor(s).  
Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BACS 492 - Internship in Computer Information Systems (1-3)**

Obtain practical experience in one or more of the following CIS areas: programming, systems design, DBMS, quantitative research, data communications, DSS. S/U graded.

Major/Minor Restriction: Include Business Administration (and) Entrepreneurship (and) Global Business (and) Computer Information Systems (and) Nonprofit Administration (and) Network/Info Systems Security (and) Software Engineering Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 3 credit hours. Course Fee: Differential Tuition Required.

**BACS 495 - Special Topics in CIS (1-3)**

This seminar course explores advanced topics in computer information systems and/or quantitative methods. S/U or letter graded.

Major/Minor Restriction: Include Business Administration Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**BAFN - Business Finance**

Kenneth W. Monfort College of Business

*Department of Finance (p. 91)*

**BAFN 231 - Legal Environment of Business (3)**

Emphasizes public law, regulation of business and various relationships that exist within society, government and business such as; economic regulation, social regulation, laws impacting labor-management issues and environmental concern.

Course Fee: Differential Tuition Required.

**BAFN 240 - Introduction to Personal Financial Planning (3)**

Discuss concepts and principles of personal financial planning including personal financial assessment, goal setting, planning and management of personal assets, credit, insurance, investments, estates and taxes.

**BAFN 302 - Essentials of Business Finance (3)**

Examines the basic principles and concepts of financial management. Topics include valuation, risk, financial analysis and planning, working capital management, cost of capital, capital structure and capital budgeting.

Prerequisite: (BAAC 301 with a minimum grade of D-) and (ECON 205 with a minimum grade of D-) and (Completion of LC2-Mathematics course or Completion of LAX1-Mathematics course). Major/Minor Restriction: Exclude Business Administration Major(s). Course Fee: Differential Tuition Required.

**BAFN 305 - Intermediate Business Statistics (3)**

Topics include a review of statistical estimation and hypothesis testing, ANOVA, simple and multiple regression, forecasting and decision theory. Students will use Excel and a number of web-based databases.

Prerequisite: (Concurrent Prerequisite BACS 101 with a minimum grade of D-) and (MATH 131 or MATH 176 with a minimum grade of D-) and (STAT 150 with a minimum grade of D-). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 332 - Business Administration and the Law (3)**

Provides an understanding of the law of business transactions as part of the decision making process. Topics will include the law of contracts, sales, bailments and negotiable instruments.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 340 - Principles of Risk and Insurance (3)**

Theory of risk and risk bearing; arrangements; insurance industry, types of insurers, functions of insurers and government regulation of insurance; social insurance; and basic features of selected insurance contracts.

Offered: Generally offered Fall and Spring Annually. Program Restrictions: Include BusAdm:Accounting-BS and BusAdm:Comp. Info. Systems-BS and BusAdm:Finance-BS and BusAdm:General-BS and BusAdm:Management-BS and BusAdm:Marketing and BSHealth Sci:Health Admin-BS. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 370 - Business Finance (3)**

Examines the basic principles and concepts of financial management. Topics include valuation, risk, financial analysis and planning, working capital management, cost of capital, capital structure and capital budgeting.

Prerequisite: (BAAC 221 and ECON 203 and ECON 205 and STAT 150 with a minimum grade of D-) and (MATH 124 with a minimum grade of D- or ACT Math with a minimum score of 26 or SAT Mathematics with a minimum score of 560 or SAT Math Section with a minimum score of 580). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 371 - Financial Markets and Institutions (3)**

Analyze characteristics and interrelations between money and capital markets and flow of funds. Stress financial institutions' role as intermediaries and effect on economic activity.

Prerequisite: ECON 203 with a minimum grade of D-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 372 - Introduction to Real Estate (3)**

Discover important concepts and principles of real estate, especially procedures for evaluating and appraising real estate investments, legal marketing and financing aspects of real estate.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 375 - Multinational Financial Management (3)**

Addresses the financial characteristics and environment of the multinational corporation. Special attention is focused on how international risk factors and foreign securities markets affect financial decisions.

Prerequisite: BAFN 370 with a minimum grade of D-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 379 - Investments (3)**

The study of financial securities, their valuation and the markets where they are traded. Analyze economic and market factors affecting risk, returns, and timing of investment decisions.

Prerequisite: BAFN 370 with a minimum grade of D-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Letter Graded.

Special Notes: Maximum concurrent enrollment is two times.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BAFN 470 - Financial Management (3)**

Covers advanced concepts and techniques of financial management, especially emphasizing the overall environment and decision making by financial managers. Topics include modern portfolio theory and capital structure theory.

Prerequisite: BAFN 370 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 473 - Commercial Bank Management (3)**

Investigate the management of banks and other financial institutions. Evaluate decision strategies used to enhance performance in a changing economic and regulatory environment. Review banking principles, current practices problems.

Prerequisite: (BAFN 370 and BAFN 371 with a minimum grade of D-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 474 - Case Problems in Financial Management (3)**

This seminar class involves the comprehensive study of applied financial management, finance, other business skills and financial decision making processes for the firm. Use case study problem solving method.

Prerequisite: BAFN 470 with a minimum grade of D-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 478 - Student and Foundation Fund (3)**

Involves students managing a portfolio of funds provided by the UNC Foundation while studying and applying the principles of security analysis and portfolio management. S/U graded.

Prerequisite: BAFN 379 with a minimum grade of D-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**BAFN 479 - Portfolio Management (3)**

This second level investment course examines investment decision making within the framework of modern portfolio theory. Alternative investments including derivatives (options and futures) are also examined.

Prerequisite: BAFN 379 with a minimum grade of D-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAFN 492 - Internship in Finance (1-3)**

Get practical experience and opportunities to utilize theory of academic finance courses. S/U graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 3 credit hours. Course Fee: Differential Tuition Required.

**BAFN 495 - Special Topics in Finance (1-3)**

This seminar course explores advanced topics in finance. S/U or letter graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**BAMG - Management**

Kenneth W. Monfort College of Business

*Department of Management (p. 90)*

**BAMG 125 - Taking Care of Business (3)**

(Lecture 2, Recitation 1) The course is designed to provide students with several types of information that will help them make more informed decisions related to their academic and professional career. This information will assist them in making decisions related to business concentrations they may wish to pursue as well as decisions related to careers and career paths that are available to them.

Course Fee: Differential Tuition Required.

**BAMG 350 - Management and Organizational Behavior (3)**

An introduction to management and organizational behavior including theories and concepts applicable to individuals, teams, and organizations. Topics include managerial processes, motivation, leadership, group dynamics, perception, decision-making, power, culture, change, communication, diversity, and ethics.

Prerequisite: 45.0 credits required. Course Fee: Differential Tuition Required.

**BAMG 353 - Human Resources Management (3)**

A survey of human resource management topics such as recruitment, selection, training, development, performance appraisal, compensation, career development.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 355 - Fundamentals of Entrepreneurship (3)**

The objective of this course is to provide significant exposure to the entrepreneurial process. Students will learn how to recognize and evaluate small business opportunities and successful entrepreneurial practices.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 390 - Operations Management and Data Analytics (3)**

The course covers planning and forecasting operations, intermediate business statistics and introductory analytics. Students will learn statistical estimation and hypothesis testing, ANOVA, multiple regression, and forecasting. Course emphasizes quality management, logistics and supply chain inventory management and optimization and applying data analytics in operations planning and metrics. Students learn to use Excel models, python and R as deployed in real-world operations.

Prerequisite: (BACS 101 and STAT 150 with a minimum grade of D-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 407 - Small Business Counseling (3)**

A seminar course which applies theories learned in all business majors to actual small businesses.

Mutually Exclusive Course: Credit allowed for only one of these courses: BAMG 407 and BAMK 407. Major/Minor Restriction: Include Business Administration (and) Entrepreneurship Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 410 - Innovation and Entrepreneurship (3)**

This course provides a practical guide and clear understanding of the knowledge, skills, attitudes, and experiences that are needed to increase imagination, creativity, innovation and new venture creation capability.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 411 - Social Entrepreneurship (3)**

This course brings the mindset, principles, strategies, tools and techniques of entrepreneurship into the social sector to present innovative solutions to today's vexing social issues.

Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 412 - Sustainable Innovation (3)**

The course explores the processes of creativity, ideation, and design thinking to generate ideas for business ventures. Students learn how ideas can inspire and promote problem-solving. Tools and techniques learned include mind mapping, ideation, opportunity recognition, and design-thinking.

Special Notes: BAMG 412 cannot be retaken for credit if BAMG 495 "Sustainable Innovation" title was taken in Spring 2022.

Offered: Generally offered Spring Annually. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Letter graded.

Special Notes: Maximum concurrent enrollment is two times.

Prerequisite: BAMG 350 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BAMG 451 - Managing New Business Ventures (3)**

An activity course emphasizing the creation and execution of a business plan in concert with a small business owner. Students will learn problems and opportunities of starting new businesses.

Prerequisite: BAMG 355 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration (and) Entrepreneurship Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 452 - Business Ethics (3)**

A study of ethical conduct in various business contexts and an analysis of ethical issues that arise in organizational, social, and economic environments.

Prerequisite: BAMG 350 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Senior and Junior. Course Fee: Differential Tuition Required.

**BAMG 453 - Advanced Topics in Human Resources Management (3)**

Provides an expanded examination of human resources management topics such as performance appraisal, training, compensation and labor relations. Current topics are emphasized.

Prerequisite: (BAMG 350 and BAMG 353 with a minimum grade of C-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BAMG 454 - Leadership in Organizations (3)**

This course will examine leadership in organizations. Topics include an examination of differing leadership styles and theories and the ethical use of leadership and power.

Prerequisite: BAMG 350 with a minimum grade of C-. Offered: Generally offered Spring Annually. Program Restrictions: Include BusAdm:Accounting-BS and BusAdm:Comp. Info. Systems-BS and BusAdm:Finance-BS and BusAdm:General-BS and BusAdm:Management-BS and BusAdm:Marketing and BSHealth Sci:Health Admin-BS. Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BAMG 456 - Strategic Management (3)**

Examines organizational strategic issues and problems related to internal and external environments. Case analysis framework and strategic management concepts emphasized.

Prerequisite: (BAFN 370 and BAMG 350 and BAMK 360 with a minimum grade of C-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BAMG 457 - Organizational Theory & Design (3)**

A study of organizational theory to design effective organizational purpose and structure to compete within dynamic external environmental and internal organizational factors.

Prerequisite: (BAMG 353 and BAMG 458 with a minimum grade of C-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BAMG 458 - International Management (3)**

A seminar that examines the field of international management. Examines the implications of managing organizations involved in global operations.

Prerequisite: BAMG 350 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 459 - Management of Quality (3)**

An introduction to managing quality in organizations, covering product and process design, understanding of basic quality tools, and implementation of improvement programs such as six sigma and lean enterprise.

Prerequisite: BAMG 350 with a minimum grade of C-. Offered: Generally offered Fall Annually. Program Restrictions: Include BusAdm:Accounting-BS and BusAdm:Comp. Info. Systems-BS and BusAdm:Finance-BS and BusAdm:General-BS and BusAdm:Management-BS and BusAdm:Marketing and BSHealth Sci:Health Admin-BS. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 461 - Talent Management (3)**

Focuses on the creation of a competitive advantage through strategic human resources planning and staffing. Topics include job analysis, recruiting, assessment, succession planning, and retention. Also covers laws and regulations relative to the recruiting process.

Prerequisite: BAMG 353 with a minimum grade of C-. Course Fee: Differential Tuition Required.

**BAMG 462 - Training & Organization Development (3)**

Examines key principles of an effective training and development strategy. Topics include the role of training, adult learning theory, needs assessment, training methodologies, and effective evaluation methods for training.

Prerequisite: BAMG 353 with a minimum grade of C-. Course Fee: Differential Tuition Required.

**BAMG 463 - Compensation, Performance Management and Conflict Management (3)**

Focuses on the effective design of an organization's compensation, total rewards, and performance management systems. Topics include total compensation systems that attract and retain talent, employee benefits and performance management.

Prerequisite: BAMG 353 with a minimum grade of C-. Course Fee: Differential Tuition Required.

**BAMG 492 - Internship in Management (3)**

An internship working in a middle management position to obtain practical organizational experience. Internship proposal, progress report and final report required. S/U graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.



**BAMG 494 - Nonprofit Management (3)**

This course provides integration of management, marketing, finance and accounting principles for the management of nonprofit organizations. Topics include board development, risk management and ethical issues in nonprofit organizations.

Prerequisite: (BAFN 231 and BAFN 370 and BAMG 350 and BAMK 360 with a minimum grade of C-). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMG 495 - Special Topics in Management (1-3)**

A seminar in various management content areas as need and opportunity arise. Primarily for management majors, this course attempts to integrate management concepts within applied settings. S/U or letter graded.

Major/Minor Restriction: Include Business Administration (and) Entrepreneurship Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**BAMK - Marketing**

Kenneth W. Monfort College of Business

*Department of Marketing (p. 91)*

**BAMK 360 - Marketing (3)**

This theory course provides understanding of the basic concepts/ terminologies in marketing, as well as an understanding of how these concepts are applied in international and domestic business settings.

Prerequisite: 45.0 credits required. Course Fee: Differential Tuition Required.

**BAMK 361 - Consumer Behavior (3)**

This theory course examines various theories of consumer behavior and the decision making process from a global perspective. The implications of cultural, ethical and legal variables will also be discussed.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 364 - Selling and Sales Management (3)**

This is an activity course emphasizing both theoretical and practical skills in the personal selling process and the management of a sales force.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 365 - Advertising and Promotion (3)**

An activity course involving study of integrated marketing communications with course components including advertising terminology, management, design, and media selection; personal selling; public relations; sponsorship; sales promotion; and Internet marketing.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 366 - Omni Channel Retail (3)**

A survey course of retail institutions; how they operate and their impact on the marketplace. This course covers both theory and practice of both Physical and Digital aspects of retail.

Prerequisite: BAMK 360 with a minimum grade of C-. Offered: Generally offered Spring Annually. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 368 - Marketing Analysis and Research (3)**

An activity course involving practical experience in planning a research investigation, designing questionnaires, sampling, interpreting results and preparing a research report. Emphasis on product, advertising, sales and motivational research.

Prerequisite: (BAMK 360 with a minimum grade of C-) and (Concurrent Prerequisite STAT 150 with a minimum grade of D-). Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 371 - Digital Marketing (3)**

The Internet and advances in technologies for e-commerce, web design, mobile marketing, social media marketing, and web analytics/measurement are transforming how companies, brands, and individuals plan and practice strategic marketing. This course provides students with an understanding of how marketing is adapting and integrating these changes for the digital age.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 407 - Small Business Counseling (3)**

A seminar course which applies theories learned in all business majors to actual small businesses.

Mutually Exclusive Course: Credit allowed for only one of these courses: BAMK 407 and BAMG 407. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Letter Graded.

Special Notes: Maximum concurrent enrollment is two times.

Prerequisite: BAMK 360 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BAMK 444 - Web and Digital Ad Analytics (3)**

A digital marketing course designed to introduce students to Web and Ad analytics platforms and other tools that enable the acquisition, analysis, and display of consumer traffic to e-commerce and content websites. Students will be introduced to key performance indicators (KPIs) for websites and digital advertising. They will also work with web analytics software, data visualization software, and search and display advertising software.

Special Notes: BAMK 444 cannot be retaken for credit if BAMK 494 "Google Analy & Web Traf Acquis" title was taken in Fall 2020 or Fall 2021.

Prerequisite: BAMK 360 with a minimum grade of C-. Offered: Generally offered Fall Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: BAMK 444 and BAMK 494. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 461 - Advertising Campaigns (3)**

An interdisciplinary activity course where students receive realistic experience in campaign planning. Assume the identity of an advertising agency responsible for the preparation of a complete marketing communications program.

Prerequisite: BAMK 365 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 464 - Global Marketing Strategies (3)**

A seminar of institutions, functions, policies and practices in international markets. Global multinational aspects of business enterprises and their effects on marketing problems and management are analyzed.

Prerequisite: BAMK 360 with a minimum grade of C-. Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 468 - Business-to-Business Marketing (3)**

A course in theoretical and practical aspects of marketing goods and services to business. Emphasizes analysis and segmentation of business markets and development of marketing mixes to serve those markets.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 469 - Supply Chain Management (3)**

An activity seminar course designed to explore the techniques utilized by marketing oriented distribution managers within the worldwide logistics process. Computer simulation and/or case analysis may be used.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 478 - Social Media Marketing (3)**

This course is an overview of social media marketing planning and strategies and its integration with traditional methods of marketing. It includes real-world, real-time experience with social media/networking with use of various social media platforms for blogging and micro-blogging, supporting tools for the monitoring/measurement of results, and the management of social media/networking activities.

Prerequisite: BAMK 360 with a minimum grade of C-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 490 - Marketing Strategies (3)**

This capstone marketing seminar course emphasizes application, analysis, planning and control of the various marketing mix variables, the target market, and the marketing environment.

Prerequisite: (BAFN 370 and BAMK 361 with a minimum grade of C-). Major/Minor Restriction: Include Marketing Concentration(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**BAMK 492 - Internship in Marketing (3)**

This course gives the student practical experience and opportunities to apply theory from academic marketing courses. S/U graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**BAMK 494 - Seminar in Digital Marketing (3)**

This seminar course focus on current topics in digital marketing not covered in existing departmental offerings.

Prerequisite: BAMK 360 with a minimum grade of C-. Offered: Generally offered Fall and/or Spring Annually. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required.

**BAMK 495 - Special Topics in Marketing (1-3)**

This seminar course explores various advanced marketing topics. The course is offered as needed. S/U or letter graded.

Major/Minor Restriction: Include Business Administration Major(s). Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**BIO - Biology**

College of Natural and Health Sciences

*School of Biological Sciences (p. 95)*

**BIO 100 - Exploring Biology (3)**

Biological concepts within a human context covering cell biology, physiology, genetics, evolution, ecology and interactions of human kind and the environment. No credit for biology majors or minors.

Major/Minor Restriction: Exclude Biological Sciences Major(s). Course Attribute: LAS1-Natural &Physical Science and GT Natural & Phys Science.

**BIO 102 - Success in Biology I (1)**

An introduction to life at UNC, the biology major, and biology careers for incoming freshman. S/U graded.

Course Fee: Differential Tuition Required.

**BIO 105 - Exploring Biology Lab (1)**

Exploring biology lab.

Prerequisite: Concurrent Prerequisite BIO 100 with a minimum grade of C-. Major/Minor Restriction: Exclude Biological Sciences Major(s). Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**BIO 109 - Foundations for PreHealth (1)**

An introduction to life at the university, the biology major, and preparation for a healthcare career.

Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required.

**BIO 110 - Biology: Atoms to Cells (4)**

(3 lecture, 3 laboratory) Introduction to fundamental chemistry of life, cell biology, genetics, and biology as an interdisciplinary science. Study of scientific practice through a course-based undergraduate research experience. Not recommended for non-science majors.

Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**BIO 111 - Biology: Organisms to Ecosystems (4)**

(3 lecture, 3 laboratory) Introduction to the biology of organisms focusing on form, function, ecology, and evolution. Study of scientific practice through a course-based undergraduate research experience. Not recommended for non-science majors.

Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**BIO 210 - Cell Biology (3)**

Study cellular basis of life, with emphasis on biological macromolecules, cell organelles, cell membranes, cellular respiration and photosynthesis, and evolution of cells.

Prerequisite: (BIO 110 with a minimum grade of D-) and (Concurrent Prerequisite CHEM 112L or Concurrent Prerequisite CHEM 112 or Concurrent Prerequisite CHEM 231 or Concurrent Prerequisite CHEM 281 or Concurrent Prerequisite CHEM 281L with a minimum grade of D-) and (CHEM 111L or CHEM 111 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 220 - Genetics (4)**

(3 lecture, 3 laboratory) Study fundamental laws of heredity, the molecular structure and function of genes, and emerging genetic technologies.

Prerequisite: (BIO 110 and BIO 210 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 245 - Introduction to Human Anatomy and Physiology (4)**

(3 lecture, 3 laboratory) Stress regulatory mechanisms that maintain normal body function and broad general biological principles as they apply to structure and function.

Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 246 - Advanced Human Anatomy and Physiology (3)**

(2 lecture, 3 laboratory) Study of regulation of cellular and systemic physiology, including membrane transport, cell cycle, autonomic nervous system, cardiovascular system, renal function and metabolism as they relate to homeostasis. Inquiry based laboratory.

Prerequisite: BIO 245 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 251 - Allied Health Microbiology (4)**

(3 lecture, 3 lab) Basic microbiology course with applications for allied health professions such as nursing. Emphasis is on microorganisms involved in human health and disease, and microbiology in public health.

Prerequisite: (BIO 110 with a minimum grade of D- or (BIO 100 and BIO 105 with a minimum grade of D-)). Major/Minor Restriction: Exclude Biological Sciences Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 302 - Fundamentals of Cannabis Science (3)**

Introduction to cannabis and cannabinoids in human history, health, and medicine.

Prerequisite: (BIO 210 with a minimum grade of D-) and (BIO 245 or BIO 350 with a minimum grade of D-). Offered: Generally offered Spring Annually. Course Fee: Differential Tuition.

**BIO 320 - Introduction to Medical Genetics (3)**

Study the principles of medical genetics including a review of gene function, patterns of inheritance, mechanisms of common genetic diseases, genetic testing, genetic counseling and risk assessment, and gene therapy.

Prerequisite: BIO 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**BIO 325 - Introduction to Cancer Biology (3)**

Study an overview of the causes, prevention, molecular and cellular mechanisms, and treatment of various cancers.

Prerequisite: (BIO 105 or BIO 110 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 328 - Introduction to Developmental Biology (3)**

The study of early embryonic development: exploration of the molecular genetic basis for tissue differentiation. Gene regulation, chromatin, axis and pattern formation, tissue interactions and differentiation, and sex determination.

Prerequisite: BIO 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**BIO 329 - Field Botany (3)**

(2 Lecture, 1 Field) Application of botanical techniques in a field setting. Course includes species identification, collection of plant specimens, plant community structure, rare plant management, and field based botanical data collection. Field trip required.

Prerequisite: BIO 111 with a minimum grade of D-. Course Fee: Differential Tuition Required and Participation Fee Required.

**BIO 330 - Plant Systematics (4)**

(3 lecture, 3 laboratory) History of plant taxonomy, phylogenetic systematics, family recognition, and identification of local flora using keys. Native plant collection and field trips required.

Prerequisite: BIO 111 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required and Participation Fee Required.

**BIO 333 - General Parasitology (4)**

(3 lecture, 3 laboratory) Study of the symbiotic relationships of parasitism as exemplified by typical parasites of humans, domesticated and wild animals, stressing life cycles, pathogenesis, systematics and host-parasite relationships.

Prerequisite: (BIO 105 or BIO 111 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 334 - Mammalogy (4)**

(3 lecture, 3 laboratory) Study of the functional biology, ecology and behavior of mammals. Laboratory stresses the identification and ecology of Colorado species. Field work required.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required and Participation Fee Required.

**BIO 335 - Survey of Fishes, Amphibians and Reptiles (4)**

(3 lecture, 3 laboratory) Investigation of the biology of the cold-blooded vertebrates including their evolution, ecology and behavior. Laboratory stresses the identification and biology of Colorado species.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Participation Fee Required.

**BIO 336 - Animal Plant Interactions (3)**

A survey of terrestrial plant-animal interactions with an emphasis on plant antagonistic and mutualistic interactions.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**BIO 337 - Morphogenesis of Algae and Fungi (4)**

(3 lecture, 3 laboratory) Study of structure, morphogenesis and phylogenetic relationships of organisms grouped with algae, fungi. Comparative study to explore multiple kingdom concepts. Ecological, medical and economic aspects of mycology and phycology explored.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required and Participation Fee Required.

**BIO 338 - Marine Biology (3)**

Study of marine organisms and their habitats from the intertidal to the deep sea. Emphasis is on the adaptation to environmental factors, ecological relationships and conservation.

Prerequisite: (BIO 110 or BIO 111 with a minimum grade of D-). Class Restriction: Include Junior and Senior and Sophomore. Course Fee: Differential Tuition Required.

**BIO 339 - Marine Biology Lab in Belize (1)**

An intensive field experience in Belize which introduces participants to tropical marine and the terrestrial environment. Course occurs during spring break.

Prerequisite: (BIO 110 or BIO 111 with a minimum grade of D-). Corequisite: BIO 338. Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required.

**BIO 341 - Human Anatomy (4)**

(3 lecture, 3 laboratory) Study of the organ systems of the human body, their structure and integration. Laboratory includes examination of mammalian organs.

Prerequisite: BIO 110 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 345 - Comparative Vertebrate Morphogenesis (4)**

(3 lecture, 3 laboratory) Study of comparative developmental processes of vertebrates as they relate to the structure of the adult organ systems. Developmental anatomy and adult morphology of sharks through mammals are studied and dissected.

Prerequisite: (BIO 110 and BIO 111 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 350 - Human Physiology (4)**

(3 lecture, 3 laboratory) Examine in detail the function of the organ systems of the human body, especially of those involved with the maintenance of normal function.

Prerequisite: BIO 210 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 351 - Microbiology (4)**

(3 lecture, 3 laboratory) Examine microorganisms and their interactions with living and non-living components of the biosphere. Study the structural and metabolic diversity within Eubacteria and Archaea, some fungi and viruses.

Prerequisite: (BIO 110 with a minimum grade of D-) and (CHEM 281 or CHEM 331L or CHEM 331 or CHEM 231 or CHEM 281L with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 354 - General Plant Physiology (4)**

(3 lecture, 3 laboratory) Study of physiological factors influencing the chemical and structural composition of plant absorption and utilization of water and minerals; photosynthesis, translocation, respiration, nitrogen metabolism; and growth and development.

Prerequisite: (BIO 111 with a minimum grade of D-) and (CHEM 281L or CHEM 331L or CHEM 231 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 360 - Ecology (4)**

(3 lecture, 3 laboratory) Identify/describe plant and animal communities. Study of ecosystem structure and energy flow. Examine topics such as biogeochemical cycles, soils, population structure, species' interactions and succession. Field trip may be required.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required and Participation Fee Required.

**BIO 362 - Principles of Animal Behavior (3)**

Study of the behaviors of animals. Topics include: mechanisms that generate behavior, the development of behavior, behavioral adaptations for survival, behavioral adaptations for mating, and the evolution of behavior.

Prerequisite: (BIO 111 or ANT 130 with a minimum grade of D-). Course Fee: Differential Tuition Required and Participation Fee Required.

**BIO 363 - Principles of Animal Behavior Laboratory (1)**

Laboratory-based investigation of animal behavior. Class will include hands-on activities and experimentation. Must be taken concurrently with BIO 362.

Prerequisite: (ANT 130 or BIO 111 with a minimum grade of D-). Corequisite: BIO 362. Course Fee: Course Fee Required.

**BIO 365 - Advanced Life Science Concepts (3)**

(2 lecture, 2 laboratory) Examination of biological principles of organisms and ecosystems and crosscutting concepts in the sciences. The course is designed for elementary educators and connects content with state and national standards.

Prerequisite: SCI 266 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 381 - Principles of Immunology (3)**

An introduction to the components and basic mechanisms of the immune system.

Prerequisite: BIO 220 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**BIO 408 - Workshop (1-3)**

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline. S/U or letter graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**BIO 411 - Field Techniques in Biology (2)**

(1 Lecture, 1 Laboratory) The most common field techniques for both plant and animal biology, focusing on biodiversity.

Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Please note while there is no limit on total credits, this course is only repeatable for a maximum of six credits per semester (concurrent enrollment of two times).

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BIO 425 - Molecular Genetics (3)**

Examination of protein synthesis, DNA replication, gene expression, gene structure, and regulation of gene expression.

Prerequisite: BIO 220 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**BIO 427 - Economic Botany (4)**

(3 lecture, 3 laboratory) Study of the identification, properties, uses, and distribution of plants used by people in the past, present, and future.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee.

**BIO 438 - Ornithology (4)**

(3 lecture, 3 laboratory) Study of the evolution, general biology, diversity, ecology and behaviors of birds. Laboratory emphasis will be on identification. Field trips required.

Prerequisite: BIO 111 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required and Participation Fee Required.

**BIO 442 - Molecular and Cellular Laboratory (2)**

(4 laboratory) Study of the theory and techniques currently used to investigate cells and molecules. Development of the laboratory and problem solving skills to successfully conduct experiments.

Prerequisite: (BIO 220 with a minimum grade of D-) and (Concurrent Prerequisite BIO 425 or Concurrent Prerequisite BIO 450 with a minimum grade of D-).  
Course Fee: Differential Tuition Required and Course Fee Required.

**BIO 448 - Pathobiology (3)**

Causes and mechanisms of disease at the molecular, cellular, and tissue levels. Cellular homeostasis and adaptive mechanisms, histopathology, toxins/toxicants, infectious disease, senescence, and target tissues.

Prerequisite: (BIO 220 with a minimum grade of D-) and (BIO 341 or BIO 541 with a minimum grade of D-) and (BIO 350 or BIO 552 or BIO 553) with a minimum grade of D-. Offered: Generally offered Fall Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 448 and BIO 578. Course Fee: Differential Tuition Required.

**BIO 450 - Cell Physiology (3)**

Study of the structural and functional relationships among biological macromolecules, cell organelles, and cell processes.

Prerequisite: (BIO 220 with a minimum grade of D-) and (CHEM 231 or CHEM 331 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 455 - Introductory Biology Curriculum and Instruction (2)**

Study of assessment, curriculum development, and learner-centered pedagogical approaches. Students taking this course will serve as undergraduate teaching assistants for BIO 110 (via BIO 494)

Prerequisite: BIO 110 with a minimum grade of D-. Corequisite: BIO 494. Course Fee: Differential Tuition Required.

**BIO 461 - Ecoclimatology (3)**

Identify/describe how plants, animals, and ecological communities will respond to global change across different scales (temporal, spatial, etc.). Introduction to global climate models and using relevant climate and ecological data to predict future change.

Prerequisite: (BIO 111 or MET 205 with a minimum grade of D-). Offered: Generally offered Spring odd years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 461 and ESCI 461. Course Fee: Differential Tuition Required.

**BIO 462 - Conservation Biology (3)**

Examination of the fundamental principles of conservation biology (biodiversity, habitat degradation, extinction, restoration, planning) with discussion of current topics (climate change, single species conservation, conservation genetics, landscape vs ecosystem conservation, sustainable development).

Prerequisite: BIO 111 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**BIO 465 - Evolution (3)**

History of evolutionary thought, evolution as a population genetics process, and reconstruction of evolutionary history using phylogenetic methodology.

Prerequisite: BIO 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**BIO 466 - Animal Physiological Ecology (3)**

Study of animal function and how environmental conditions influence the physiology of animals. Emphasis will be on vertebrate systems but invertebrates will be included.

Prerequisite: (BIO 110 and BIO 360 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 468 - Disturbance Ecology (3)**

Study of disturbance effects on ecosystem structure and function.

Prerequisite: (BIO 110 and BIO 360 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 476 - Pharmacology (3)**

Cell biology and/or biochemistry recommended. A mechanistic study of pharmacokinetics (absorption, distribution, metabolism and excretion of drugs) and pharmacodynamics (drug actions and interactions). Examples of important bioactive chemicals will be discussed.

Prerequisite: (BIO 220 with a minimum grade of D-) and (BIO 246 or BIO 350 or BIO 552 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**BIO 481 - Introduction to Neurobiology (3)**

The molecular, cellular, and anatomical principles and network properties of the nervous system will be studied, with a focus on human biomedical applications.

Prerequisite: BIO 350 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**BIO 488 - Foundations of Biomedical Research (1)**

Critical data interpretation and evaluation, rigorous experimental design, consideration of variables, authentication of resources, sharing, record keeping, and transparency. S/U graded.

Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**BIO 489 - Biomedical Research Ethics (1)**

Provide training in the basic ethical and regulatory requirements for performing research. This course will incorporate online training materials with discussion, case studies to help students' best practice in performing research activities. S/U graded.

Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required.

**BIO 491 - Seminar in Biological Sciences (1)**

Invited speakers will present topics in content biology and biology education. Graduate students will also present final defenses of their theses or dissertations. S/U graded.

Special Notes: Please note only 1 credit will count toward upper division BIO electives.

Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BIO 492 - Internship in Biological Sciences (1-3)**

On-the-job experience in professional areas under the supervision of an area specialist. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required.

**BIO 493 - Clinical Internship in Biological Sciences (1-3)**

On the job experience in a clinical setting under the supervision of an area specialist. A minimum of 37.5 hours of contact work is required per credit hour. S/U graded.

Prerequisite: BIO 220 with a minimum grade of D-. Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 9 credit hours. Course Fee: Differential Tuition Required.

**BIO 494 - Practicum in College Biological Science Instruction (1-2)**

Gain experience assisting in teaching an introductory biological science laboratory.

Repeatable Status: Course may be repeated 2 times.

**BIO 495 - Special Topics in Biology (1-3)**

Advanced study for qualified undergraduates in an area of the biological sciences.

Special Notes: Prerequisites vary depending on the title and subject being offered.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**BREW - Brewing Laboratory Science Program**

College of Natural and Health Sciences

*Department of Chemistry and Biochemistry (p. 96)*

**BREW 170 - Fundamentals of Brewing Science (3)**

Fundamental role of science in brewing beer, the ingredients in beer, and the process of brewing. Emphasis on QA/QC analysis and integration of beer throughout society. For non-science majors.

Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**BREW 170L - Fundamentals of Brewing Science Laboratory (1)**

Investigation of science in the brewing industry through hands-on activities in the laboratory. Credit toward Liberal Arts Curriculum given only upon successful completion of BREW 170.

Prerequisite: Concurrent Prerequisite BREW 170 with a minimum grade of D-. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural & Physi Science LAB and GT Natural & Phys Science Lab.

**BREW 320 - Sensory Analysis of Beer (1)**

(0.5 lecture, 1 lab) Introduction, discussions, methods and applications of various topics in the sensory evaluation of beer styles and common off-flavors present during the brewing process. **REQUIREMENTS:** Students must be 21+.

Prerequisite: (Concurrent Prerequisite BREW 170 or Concurrent Prerequisite BREW 370 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**BREW 370 - Introduction to Brewing Science (3)**

Survey of beer brewing, with a particular focus on the multidisciplinary connections in the science of brewing beer. Specific topics include the history, biology, chemistry, physics, and politics of beer.

Course Fee: Differential Tuition Required.



**BREW 470 - Practical Brewing Science (3)**

(2 lecture, 3 laboratory) Must be 21+ years old (photo ID required at first class session). Investigations in brewing beer with a focus on the practical applications of water chemistry, analysis of beer components, and sensory evaluation. A project-based component stressing the multidisciplinary nature of brewing is required.

Prerequisite: BREW 370 with a minimum grade of C.  
Offered: Generally offered Fall and/or Summer Annually.  
Mutually Exclusive Course: Credit allowed for only one of these courses: BREW 470 and BREW 570. Course Fee: Differential Tuition Required and Course Fee Required.

**BREW 471 - Fermentation in Brewing (3)**

Study of fermentation in beer brewing from the biochemical, technical, and practical aspects. Focus on metabolism, methods that influence metabolism, and chemical analyses that evaluate fermentation.

Prerequisite: BREW 370 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**BREW 479 - Advanced Brewing Science (3)**

Students must be 21+ years old (photo ID required at first class session). Application of brewing laboratory science methods of malt, wort, and beer analysis during the production of microbrewery scale quantities of beer. A project-based component involving the creation of a quality assurance program for the operation of a microbrewery is required.

Prerequisite: Concurrent Prerequisite BREW 470 with a minimum grade of C. Mutually Exclusive Course: Credit allowed for only one of these courses: BREW 479 and BREW 579. Course Fee: Differential Tuition Required and Course Fee Required.

**BREW 492 - Internship (1-9)**

On-the-job experience in the brewing industry under the supervision of an area specialist.

Special Notes: Consent of instructor required.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**BREW 495 - Special Topics in Brewing Laboratory Science (1-3)**

Study of special topics in brewing and brewing laboratory science. Variable topics.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**CHEM - Chemistry**

College of Natural and Health Sciences

*Department of Chemistry and Biochemistry (p. 96)*

**CHEM 101 - Chemistry for Citizens (3)**

No previous chemistry required. Develops the fundamental role chemistry plays in daily life and an understanding of scientific and technological issues affecting society.

Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**CHEM 102 - Chemistry for Citizens Laboratory (1)**

(3 laboratory) Investigation of the chemical world through hands-on activities in the laboratory. Credit toward Liberal Arts Curriculum given only upon successful completion of CHEM 101.

Prerequisite: Concurrent Prerequisite CHEM 101 with a minimum grade of D-. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural & Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**CHEM 103 - Introductory Chemistry (3)**

No credit for chemistry major or minor. Basic chemistry concepts to prepare those with no chemistry background for CHEM 111 or CHEM 281.

Course Fee: Differential Tuition Required.

**CHEM 103L - Introductory Chemistry Laboratory (1)**

(3 laboratory) Investigation of chemistry concepts, emphasizing their application to everyday life. Designed to build a conceptual foundation of chemistry and develop basic chemistry laboratory skills.

Prerequisite: Concurrent Prerequisite CHEM 103 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**CHEM 111 - Principles of Chemistry I (4)**

Atomic theory, mole concept, stoichiometry, states of matter, formulas, nomenclature, periodicity, bonding and solutions.

Special Notes: For SAT Mathematics before 2016, the minimum score of 460 is acceptable. Students scoring between 30-39 on ALEKS MATH test must co-register MATH 124/127 along with CHEM 111, or take CHEM 103 prior to CHEM 111. Students scoring below 30 on ALEKS MATH test must take CHEM 103 or MATH 124/127 as prerequisite. Please consult the Department of Chemistry and Biochemistry for more information.

Prerequisite: (ACT Math with a minimum score of 19 or SAT Math Section with a minimum score of 500 or SAT Mathematics with a minimum score of 460 or ALEKS Test Score with a minimum score of 040) and (Concurrent Prerequisite CHEM 111L with a minimum grade of C). Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science Lab.

**CHEM 111L - Principles of Chemistry I Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 111.

Prerequisite: Concurrent Prerequisite CHEM 111 with a minimum grade of C. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**CHEM 112 - Principles of Chemistry II (4)**

Thermochemistry, chemical kinetics, equilibrium, qualitative analysis, electrochemistry and descriptive inorganic chemistry.

Prerequisite: (CHEM 111 and CHEM 111L and Concurrent Prerequisite CHEM 112L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 112L - Principles of Chemistry II Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 112.

Prerequisite: Concurrent Prerequisite CHEM 112 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 231 - Principles of Organic Chemistry (3)**

An introduction to organic chemistry. Structure, nomenclature, reactions and uses of organic compounds and their relationship to foods and nutrition.

Prerequisite: (CHEM 111 and CHEM 111L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 281 - Fundamentals of Biochemistry (3)**

(3 lecture, 1 recitation) Structure and function of biologically relevant molecules, metabolism and regulation of metabolism.

Prerequisite: Concurrent Prerequisite CHEM 281L with a minimum grade of C. Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**CHEM 281L - Fundamentals of Biochemistry Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 281.

Prerequisite: Concurrent Prerequisite CHEM 281 with a minimum grade of C. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**CHEM 321 - Chemical Analysis (4)**

(2.5 lecture, 4.5 laboratory) Chemical methods of analysis including gravimetry, acid-base, redox methods, statistics in analytical chemistry and an introduction to instrument operations.

Prerequisite: (CHEM 112 or CHEM 112L with a minimum grade of C). Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 331 - Organic Chemistry I (4)**

Nomenclature, reactions and synthesis of organic compounds.

Prerequisite: (CHEM 112 and CHEM 112L and Concurrent Prerequisite CHEM 331L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 331L - Organic Chemistry I Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 331.

Prerequisite: Concurrent Prerequisite CHEM 331 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 332 - Organic Chemistry II (4)**

Advanced concepts in synthesis, theories of reactions, biological molecules and spectroscopy.

Prerequisite: (CHEM 331 and CHEM 331L and Concurrent Prerequisite CHEM 332L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 332L - Organic Chemistry II Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 332.

Prerequisite: Concurrent Prerequisite CHEM 332 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 360 - Environmental Chemistry (2)**

(1.5 lecture, 1.5 laboratory) The effect of chemicals in the environment.

Prerequisite: (CHEM 331 and CHEM 331L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 381 - Principles of Biochemistry (3)**

A survey of the structure, function, and metabolism of biomolecules.

Prerequisite: (CHEM 231 with a minimum grade of C or (CHEM 332 and CHEM 332L with a minimum grade of C)) and (Concurrent Prerequisite CHEM 381L). Course Fee: Differential Tuition Required.

**CHEM 381L - Principles of Biochemistry Lab (1)**

(3 laboratory) Laboratory to accompany CHEM 381.

Prerequisite: Concurrent Prerequisite CHEM 381 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 395 - Special Topics in Chemistry (1-3)**

Advanced study of variable topics within the field of Chemistry.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**CHEM 421 - Instrumental Analysis (4)**

(3 lecture, 3 laboratory) Theory, practice, and application of modern analytical instrumentation.

Prerequisite: CHEM 321 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**CHEM 425 - Forensic Chemistry (4)**

(3 lecture, 3 laboratory) Application of statistics and chemistry to the analysis of evidence gathered in criminal investigations such as drugs, fibers, gunshot residue, explosives, and accelerants.

Prerequisite: (CHEM 332 and CHEM 321 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 441 - Inorganic Chemistry I (3)**

First of two related courses. Fundamentals of bonding and structure of inorganic substances. Integration of appropriate physical methods with theory and practice.

Prerequisite: (CHEM 332 and CHEM 332L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 442 - Inorganic Chemistry II (3)**

A continuation of CHEM 441. Covers fundamental topics in solid-state, organometallic and bioinorganic chemistry.

Prerequisite: CHEM 441 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CHEM 443 - Inorganic Chemistry Laboratory (1)**

(3 laboratory) Experimentation including structures, bonding, syntheses and properties of inorganic substances.

Prerequisite: Concurrent Prerequisite CHEM 441 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 450 - Survey of Physical Chemistry (3)**

One semester survey of physical chemistry (thermodynamics, chemical kinetics, and quantum mechanics). Not applicable to the professional and biochemistry emphasis areas in chemistry.

Prerequisite: (CHEM 321 with a minimum grade of C) and (MATH 131 with a minimum grade of D-) and (PHYS 221 with a minimum grade of D-) and (CHEM 332 with a minimum grade of C) and (Concurrent Prerequisite CHEM 450L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 450L - Survey of Physical Chemistry Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 450.

Prerequisite: Concurrent Prerequisite CHEM 450 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 451 - Physical Chemistry I (4)**

Chemical kinetics, quantum theory of atoms and molecules, and statistical thermodynamics.

Prerequisite: (MATH 233 with a minimum grade of D-) and (PHYS 241 with a minimum grade of D-) and (CHEM 332 with a minimum grade of C) and (CHEM 332L with a minimum grade of C) and (Concurrent Prerequisite CHEM 321 with a minimum grade of C) and (Concurrent Prerequisite CHEM 451L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 451L - Physical Chemistry I Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 451.

Prerequisite: Concurrent Prerequisite CHEM 451 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 452 - Physical Chemistry II (4)**

The properties of matter, thermodynamics, thermochemistry and kinetic molecular theory.

Prerequisite: (MATH 233 with a minimum grade of D-) and (PHYS 241 with a minimum grade of D-) and (CHEM 332 with a minimum grade of C) and (Concurrent Prerequisite CHEM 321 with a minimum grade of C) and (Concurrent Prerequisite CHEM 452L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 452L - Physical Chemistry II Laboratory (1)**

(3 laboratory) Laboratory to accompany CHEM 452.

Prerequisite: Concurrent Prerequisite CHEM 452 with a minimum grade of C. Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 481 - General Biochemistry I (3)**

Chemistry of biologically important compounds (proteins, nucleic acids, carbohydrates, and lipids), emphasizing structure and function, methods of isolation, identification and characterization, kinetics and mechanisms of enzyme catalysis.

Prerequisite: (CHEM 332 and CHEM 332L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 481L - Experimental Biochemistry I (1)**

(3 laboratory) Techniques involved in the isolation and characterization of amino acids, peptides and proteins. Isolation and kinetics of enzymes.

Prerequisite: (CHEM 321 and Concurrent Prerequisite CHEM 481 with a minimum grade of C). Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 482 - General Biochemistry II (3)**

Bioenergetics, electron transport systems, metabolism of carbohydrates, lipids, nucleotides and amino acids.

Prerequisite: (CHEM 481 and Concurrent Prerequisite CHEM 482L with a minimum grade of C). Course Fee: Differential Tuition Required.

**CHEM 482L - Experimental Biochemistry II (1)**

(3 laboratory) Techniques involved in the isolation and characterization of lipids and metabolism.

Prerequisite: (CHEM 481 and CHEM 481L and Concurrent Prerequisite CHEM 482 with a minimum grade of C). Course Fee: Differential Tuition Required and Course Fee Required.

**CHEM 499 - Seminar and Research in Chemistry (1-3)**

Introduction to chemical research and current chemical literature; initiate and pursue investigation of a specific topic in chemistry or chemical education. Oral and written reports are required.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**CHIN - Chinese**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**CHIN 101 - Elementary Chinese I (5)**

Emphasis on elementary oral/aural skills through conversational exchanges in Mandarin Chinese relating to everyday culture. For students with little or no prior knowledge of Chinese.

**CHIN 102 - Elementary Chinese II (5)**

Oral/aural skills in Mandarin Chinese are coupled with writing and character recognition related to practical knowledge of everyday culture.

Prerequisite: CHIN 101 with a minimum grade of D-.

**CHIN 107 - Conversational Chinese for Beginners (3)**

Introductory course in basic Mandarin Chinese oral communication in familiar, everyday contexts. Focus on listening and speaking, some character recognition, writing. For learners with limited or no prior Chinese language experience.

**CHIN 116 - Introduction to Chinese Civilization (3)**

Become familiar with the culture and society of Modern China through an interdisciplinary examination of China's past. Conducted in English.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**CHIN 201 - Intermediate Chinese I (3)**

Review language structure and develop reading and writing skills. Gain vocabulary through conversational practice on topics of cultural and literary interest.

Prerequisite: CHIN 102 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**CHIN 202 - Intermediate Chinese II (3)**

Review language structure and develop reading and writing skills. Gain vocabulary through conversational practice on topics of cultural and literary interest.

Prerequisite: CHIN 201 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**CHIN 216 - Masterpieces in Chinese Literature (3)**

Study major works in Chinese literature, become familiar with different genres and major writers of Chinese literary tradition, and situate the literature within its social and historical contexts.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**CHIN 301 - China and the Chinese (3)**

Develop advanced language skills in Chinese using a variety of authentic texts. Practice writing and conversation.

Prerequisite: CHIN 202 with a minimum grade of D-.

**CHIN 302 - China and the Chinese II (3)**

Acquire advanced skills in Chinese using authentic texts and media. Learn composition and advanced conversation.

Prerequisite: CHIN 301 with a minimum grade of D-.

**CHIN 311 - Introduction to Literary Chinese (3)**

Develop skills to read and translate texts using literary Chinese. Become familiar with traditional Chinese civilization. Taught in Chinese and English.

Prerequisite: CHIN 202 with a minimum grade of D-.

**CHIN 313 - Chinese Cinema (3)**

View, analyze, discuss Chinese language films, learn specialized vocabulary, develop language skills and gain cultural and historical understanding of film in the Chinese speaking world.

Prerequisite: CHIN 202 with a minimum grade of D-.  
Repeatable Status: Course may be repeated 1 time.

**CHIN 395 - Topics in Modern China (3)**

Study thematically related topics of the modern Chinese-speaking world. Subjects include identity, politics, Chinese Diaspora and immigration/emigration, history, and Chinese society through film, literature, historical and cultural texts.

Prerequisite: CHIN 201 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**CHIN 407 - Chinese for Oral Proficiency (3)**

This course develops oral proficiency by exposing students to linguistic functions categorized as intermediate-high and advanced by ACTFL proficiency guidelines. This course prepares students for the oral proficiency interview.

Prerequisite: CHIN 202 with a minimum grade of D-.

**CHIN 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 8 credit hours.

**CHIN 450 - Modern Chinese Literature (3)**

Read, analyze, and discuss Chinese literature from 1919 to the present; situate literature in cultural, social and historical events; acquire skills to write critical analyses.

Prerequisite: CHIN 202 with a minimum grade of D-.  
Repeatable Status: Course is repeatable with no limitations.

**CHIN 495 - Topics in Traditional China (3)**

Study thematically related topics in traditional China (pre-1900). Read literary, historical, religious, and philosophical texts in literary Chinese. Become familiar with primary sources and acquire skills to conduct research.

Prerequisite: CHIN 311 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**COMM - Communication**

College of Humanities and Social Sciences

*Department of Communication and Journalism (p. 82)*

**COMM 100 - Basics of Public Speaking (3)**

Overview of concepts, including practice and evaluation, central to effective public speaking including managing nervousness, researching and organizing information, thinking critically, delivering messages, fielding questions and influencing an audience.

**COMM 102 - Introduction to Communication (3)**

An introduction to the nature of communication as symbolic behavior including an overview of communication contexts.

**COMM 201 - Questioning Communication (3)**

An introduction to communication inquiry and research as a means to answer questions about communication and its impact in our daily lives.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**COMM 211 - Winning Arguments (3)**

Study the basics of argumentation including reasoning, evidence and critical thinking. Practice the practical skills of public debating.

Offered: Generally offered Fall Annually.

**COMM 212 - Professional Speaking (3)**

Practical experience in presentation design and delivery to facilitate understanding of a message and for influence of others.

Prerequisite: COMM 100 with a minimum grade of D-.

**COMM 220 - Cultivating Relationships (3)**

An undergraduate course focusing on the philosophical and theoretical issues of self-perception and relationships as they are affected by verbal and nonverbal communication.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**COMM 221 - Nonverbal Communication (3)**

An overview of current theory and research in communication. The course will focus on nonverbal communication message systems and their impact on the communication process.

**COMM 222 - Unpacking Popular Culture (3)**

Using rhetorical methods as a lens, this course focuses upon the identification and interpretation of persuasive messages found within a variety of popular culture texts including television, film, and music.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**COMM 223 - Intercultural Communication (3)**

Learn about the communication concepts and theories inherent in the process of interacting with individuals in cross-cultural and inter-ethnic situations.

**COMM 261 - Seminar in Communication (1-3)**

Investigate introductory issues of current concern for COMM professionals with subject varied according to faculty expertise.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**COMM 324 - Family Communication (3)**

Investigate family structure from a human communication perspective.

**COMM 330 - Small Group Communication (3)**

Apply problem-solving and decision making techniques and theories, particularly in the relationship between communication and group variables such as leadership roles and cohesiveness.

**COMM 331 - Organizational Communication (3)**

Study the dynamics of communication activities within an organization.

**COMM 340 - Rhetoric of Scientific Messaging (3)**

Systematic review of relevant contributions of rhetorical theorists for their probable impact on scientific communication.

**COMM 341 - Courtroom Communication (3)**

Investigate the relationship between communication and the law and legal argumentation and persuasion within courtroom advocacy. Analyze communication within the legal profession.

**COMM 343 - The Art of Persuasion (3)**

Investigate major variables surrounding attitude change and human persuasion.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**COMM 410 - Living With/Through Your Screens (3)**

This course is designed to introduce the concepts, theories, and issues surrounding the emergence of communication technologies and the evolution of the communication process.

Offered: Generally offered Spring Annually.

**COMM 422 - Directed Study (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**COMM 431 - Communication and Leadership (3)**

Examine theories of leadership, major leadership research findings and various leadership methods. Consider how the principles derived from leadership literature can be applied to small group and organizational settings.

**COMM 461 - Seminar in Communication (1-3)**

Investigate issues of current concern for COMM professionals with subject varied according to faculty expertise.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**COMM 491 - Communication Theory Capstone (3)**

Summative course of the nature and function of communication theory and research including an overview of the traditions of theory and current perspectives in the discipline.

Prerequisite: (COMM 100 and COMM 102 and COMM 201 and COMM 220 and COMM 330 and COMM 343 with a minimum grade of D-). Offered: Generally offered Fall, Spring, and/or Summer Annually.

**COMM 492 - Undergraduate Internship (1-10)**

Supervised work experience in area of specialization. Submit a proposal to the coordinator of internships six weeks before registration. Maximum of six semester credit hours may be counted toward the major.

Repeatable Status: Course is repeatable with a maximum of 10 credit hours.

**CRJ - Criminology and Criminal Justice**

College of Humanities and Social Sciences

*Department of Criminology and Criminal Justice (p. 83)*

**CRJ 110 - Introduction to Criminal Justice (3)**

Survey of the three components of the criminal justice system: police, courts, and corrections. Emphasis on the structural and situational factors influencing the way these agencies of social control operate.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**CRJ 160 - Introduction to Crime Theories (3)**

Presents an overview of historical and modern theories used to explain criminal behavior, how theories of crime are measured, and empirical support for various criminological theories.

Offered: Generally offered Fall and Spring Annually.

**CRJ 220 - Policing Systems (3)**

Introduces the philosophy and techniques of policing including the history, traditions, and social developments resulting in present systems. Focus on the nature of police work, police discretion, and community relations.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 230 - Judicial Process (3)**

A study of the American judicial system with emphasis on its structure, function, and process. Focus on the role, function, and behavior of prosecutors, defense attorneys, judges and jurors.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 240 - Correctional Systems (3)**

Analysis and evaluation of contemporary institutional and community correctional systems including jails, prisons, probation, parole, and alternative sanctioning. Examines punishment justifications and reviews correctional practices for juvenile and adult offenders.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 310 - White Collar Crime (3)**

Introduction to various topics and issues relating to white-collar crime. Theories, measurements, and prevention strategies of white-collar, organizational, occupational, workplace, and environmental crimes will be presented and compared.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 312 - Crime Prevention (3)**

This class provides an overview of policy formation and evaluates what works in various crime and delinquency prevention policies and programs.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 317 - Cybercrime (3)**

An examination of the criminal justice system's experience with cybercrimes. Explore the emergence of cybercriminality since the widespread use of the "information highway." Examine how the Internet has allowed for an explosion of criminal behavior and an influx of new offenders on our criminal justice system.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 324 - Crime Mapping (3)**

Provides the student with hands on experience in the use of Geographic Information System (GIS) technology to analyze organization operations, crime statistics, and crime patterns.

Prerequisite: GEOG 210 with a minimum grade of D-.

Offered: Generally offered Fall - Check with department/school for next offering. Mutually Exclusive Course: Credit allowed for only one of these courses: CRJ 324 and GEOG 324.

**CRJ 335 - Juvenile Justice (3)**

Focus on the juvenile justice system that responds to criminal acts committed by minors, as well as theories that attempt to explain the development of law-breaking behaviors in this population.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 350 - Victim Studies (3)**

Examine the emerging discipline of victimology, including the history of victim services, its place in the criminal justice system, and its role in addressing the needs of those victimized by criminal activity.

Prerequisite: CRJ 110 with a minimum grade of C.

Offered: Generally offered Fall and Spring Annually.

**CRJ 352 - Domestic Violence Victims & Offenders (3)**

Examines the phenomenon of family violence from the perspective of victims, offenders, and children. Focus on safety concerns for victims and criminal justice system response to victims and offenders.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 354 - Restorative Justice (3)**

Focus on the evolution of the use of restorative justice theories and practices within the criminal justice system and situations that require conflict resolution, within the United States and internationally.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 360 - Theories of Crime (3)**

Examine major types of crime in the context of theories of crime and criminal behavior. Explain and critique current social responses to crime and policies of crime control.

Prerequisite: (CRJ 110 and CRJ 160 with a minimum grade of C). Offered: Generally offered Fall and Spring Annually.

**CRJ 362 - Criminal Behavior Analysis (3)**

Use inductive and deductive reasoning in understanding violent crime scenes and in establishing suspect profiles. Emphasis on assessing an offender's 'signature', modus operandi and motives.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 380 - Research Methods in Criminal Justice (3)**

Study of methods for conducting research, collecting data, and analyzing data encountered in criminal justice. Emphasis on questions inherent to the study of contemporary issues in criminal justice.

Special Notes: Must earn a minimum grade of "C" or better (C- is not acceptable) in LIB 160 and CRJ 110. MATH 120 is suggested for the LAC Mathematics course.

Prerequisite: (CRJ 110 with a minimum grade of C) and (Concurrent Prerequisite LIB 160 with a minimum grade of C) and (Completion of LC2-Mathematics course or Completion of LAX1-Mathematics course). Class Restriction: Include Sophomore and Junior and Senior.

**CRJ 395 - Topics in Criminal Justice (1-3)**

Offerings under this heading focus on criminal justice topics not regularly offered in the department. Topics could include capital punishment, community policing, minorities in the justice system, etc.

Prerequisite: CRJ 110 with a minimum grade of C. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.



**CRJ 408 - Workshop (1-3)**

Workshops on special topics related to issues associated with, or in professional preparation for, criminal justice. Goals and objectives will emphasize the acquisition of knowledge and skills in the discipline.

Prerequisite: CRJ 110 with a minimum grade of C. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**CRJ 415 - Homeland Security (3)**

Overview of the missions, goals, structures, functions, and roles associated with providing homeland security in the U.S. Studies the challenges faced by homeland security now and in the future.

**CRJ 417 - Terrorism in the 21st Century (3)**

This course covers historical and contemporary issues of terrorism and how it has shaped lives in the 21st century. It emphasizes effects of extremism, types of terrorism, and government response.

Prerequisite: CRJ 110 with a minimum grade of C.

**CRJ 422 - Directed Studies (1-3)**

Individualized investigation under direct supervision of a faculty member. Minimum 37.5 clock hours required per credit hour. Department agreement form must be completed.

Special Notes: Maximum concurrent enrollment is two times.

Prerequisite: CRJ 110 with a minimum grade of C. Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**CRJ 470 - Justice Professionalism and Ethics (3)**

Students must have completed 70 credit hours to register for this course. Examine ethical theory, controversies, and rules of moral judgment as they relate to criminal justice practitioners. Discuss and evaluate ethical dilemmas faced by those working in the criminal justice system.

Prerequisite: (70.0 credits required) and (CRJ 110 with a minimum grade of C).

**CRJ 475 - Race/Ethnicity, Gender, and Social Class in Criminal Justice (3)**

Students must have completed 70 credit hours to register for this course. Presents a critical analysis of the impact of race/ethnicity, gender, and social class in the criminal justice system, including examination of law enforcement, the courts, corrections, offending, and victimization.

Prerequisite: (70.0 credits required) and (CRJ 110 with a minimum grade of C).

**CRJ 480 - Applied Statistics in Criminal Justice (3)**

Study of basic descriptive and inferential statistics with emphasis on applications in the criminal justice system. Second of two required research and statistics classes for the Criminology and Criminal Justice B.A.

Prerequisite: CRJ 380 with a minimum grade of C.

**CRJ 492 - Internship (1-9)**

Supervised experience in a justice agency. Fifty work hours required for each credit hour earned. Credit only for work completed during the semester enrolled. Arrange placement prior to course enrollment. S/U graded.

Prerequisite: CRJ 110 with a minimum grade of C. Major/Minor Restriction: Include Criminal Justice (and Criminology & Criminal Justice Major(s)/Minor(s). Class Restriction: Include Senior and Junior. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**CS - Computer Science**

College of Natural and Health Sciences

*School of Mathematical Sciences (p. 99)*

**CS 101 - Introduction to Computer Science (3)**

Breadth-first study of computer science concepts. Topics include machine architecture, programming, problem-solving techniques, algorithms, operating systems, networking, security, computations, graphics, GUIs, AI, databases, software engineering, and social issues.

**CS 120 - Introduction to Programming (3)**

Become familiar with designing and writing programs in a high-level language. Programs will involve some technical applications in science and mathematics.

Course Fee: Differential Tuition Required.

**CS 130 - Fundamentals of Computer Science (3)**

A study of machine architecture with coverage of digital logic, machine-level data, instruction representation, ALU design, and organization of the processor data path and control. The Python programming language will be used. Examines performance analysis, memory system hierarchy, pipelining, and communication.

Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**CS 160 - Structured Programming (3)**

Study the structured programming development methods; the data types, operators, expressions, control flow, and input and output of a specific structured programming language; and some elementary data structures and algorithms.

Course Fee: Differential Tuition Required.

**CS 200 - Object-Oriented Analysis, Design, and Programming (3)**

Study the software development life cycle; elements of the object model; object-oriented data types and functions; object-oriented enhancements to structured programming; and additional data structures and algorithms.

Prerequisite: CS 160 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CS 209 - Computer and Data Ethics (3)**

A study of the humanitarian, social, and professional impact of computing, statistics, and data by focusing on ethical issues faced by and brought about by computing, statistics, and data professionals, including those related to statistical analysis, software, data, privacy, security, and liability.

Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required.

**CS 216 - Database Concepts (3)**

An introduction to database concepts, emphasizing the relational database model. The course illustrates concepts and application of the entity relationship diagram, the principles and application of normalization, and the use of structured query language (SQL) to extract information from the database. Advanced database topics such as Web Database Development, Data Warehouses, and Database Administration are introduced.

Prerequisite: CS 160 with a minimum grade of C. Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**CS 301 - Algorithms and Data Structures (3)**

Internal representation and applications of lists, trees, graphs, sorting, searching, and hashing. Focus on the interactions among algorithm, data structures, and storage structures for the processing of data.

Prerequisite: CS 160 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CS 302 - Programming Languages (3)**

Basic components of programming languages. Specification of syntax and semantics. Description of programming languages features. Examine a wide variety of languages with an emphasis on their structure, design, and use.

Prerequisite: CS 301 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CS 312 - Systems Programming (3)**

An introduction to Linux/Unix operating system. Cover the fundamentals in command line processing for Linux and integration with other software tools. A hands-on study of basic shell commands, file systems, text editor, and shell scripting/programming.

Prerequisite: (CS 200 and CS 216 with a minimum grade of C). Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required.

**CS 325 - Introduction to Human Computer Interaction (3)**

This course introduces human-computer interaction and the design process. Students will learn methods and skills for designing and prototyping interactive systems. The course covers a design process from the initial formulation of a design problem to the creation of digital prototypes.

Prerequisite: CS 130 with a minimum grade of C. Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**CS 330 - Mobile Computing (3)**

This course covers software mobile application development, its architecture, and its lifecycle, as well as its inherent design considerations. Students will learn about mobile resources, activities, views, layouts, and intents in addition to interacting with the location-based services, messaging services, multimedia interfaces, and sensors available on the mobile device.

Prerequisite: (CS 200 and CS 216 with a minimum grade of C). Offered: Generally offered Fall Even Years. Course Fee: Differential Tuition Required.

**CS 350 - Software Engineering I (3)**

Study concepts of engineering software systems. Design and implement a software system project using the team approach.

Prerequisite: CS 200 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CS 395 - Special Topics in Computer Science (1-3)**

Topics in computer science that reflect the specific interests of available instructors and the specific needs of the students.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**CS 401 - Theory of Computation (3)**

An introduction to the logical and mathematical foundations of computation. Topics discussed will include finite-state automata and context-free languages. The course material will be presented in an inquiry-based context in which students will solve problems, prove theorems, and present their solutions to the class.

Prerequisite: (CS 301 and MATH 228 with a minimum grade of C). Offered: Generally offered Fall Odd Years. Course Fee: Differential Tuition Required.

**CS 422 - Directed Studies (1-4)**

A plan should be submitted and approved by all computer science faculty. Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time. Course Fee: Differential Tuition Required.

**CS 432 - Fundamentals of Cybersecurity (3)**

This course introduces the fundamentals of cyber security. A broad survey of cybersecurity concepts, tools, technologies, and best practices will be presented. Students will use hands-on activities to become familiar with and practice cybersecurity techniques and procedures.

Prerequisite: (CS 200 and CS 312 with a minimum grade of C). Offered: Generally offered Spring Odd Years. Course Fee: Differential Tuition Required.

**CS 440 - Operating Systems (3)**

Study operating systems history, concepts/structure and design; process, processor, memory, file system and input/output management; and representative operating systems.

Prerequisite: CS 301 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CS 442 - Networking (3)**

Study data communications; network structure, design and architectures; network services and standardization; and respective networks all in the framework of the OSI model.

Prerequisite: CS 301 with a minimum grade of C. Course Fee: Differential Tuition Required.

**CS 454 - Data Mining and Machine Learning (3)**

This course considers the use of machine learning and data mining algorithms to discover knowledge embedded in datasets. Topics include techniques such as classification, clustering, predictive and statistical modeling.

Prerequisite: (MATH 221 with a minimum grade of C) and (STAT 150 or STAT 250 or MATH 350 or STAT 355 with a minimum grade of C). Offered: Generally offered Fall Odd Years. Course Fee: Differential Tuition Required.

**CS 456 - Neural Networks and Deep Learning (3)**

This course examines state-of-the-art AI approaches to deep learning using neural networks. Students will learn to design neural network architectures and training procedures via hands-on assignments and projects.

Prerequisite: (MATH 311 with a minimum grade of C or (CS 120 and MATH 221 and MATH 233 with a minimum grade of C)). Course Fee: Differential Tuition Required.

**CS 489 - Project in Data Science (2)**

This is a project course in data science and related fields. Interdisciplinary teams will analyze a new data science problem, develop a model, and control for error and overfitting.

Prerequisite: STAT 411 with a minimum grade of C. Mutually Exclusive Course: Credit allowed for only one of these courses: CS 489 and STAT 489. Course Fee: Differential Tuition Required.

**CS 490 - Computer Science Capstone (3)**

This course provides the opportunity to integrate the knowledge gained from courses taken in the Computer Science curriculum. An exploration of important topics in Computer Science will be discussed. In addition, students will work in teams to produce software programs and related artifacts by applying one or more established software frameworks and following a software development methodology.

Prerequisite: CS 350 with a minimum grade of C. Offered: Generally offered Spring Annually. Program Restrictions: Include Computer Science-BS and Mathematics:Computer Sci-BS. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**CS 497 - Senior Project (1-8)**

A significant computer project will be developed and implemented under the guidance of a computer science professor. A project proposal should be submitted and approved by all computer science faculty.

Class Restriction: Include Senior. Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Differential Tuition Required.

**CSD - Communication Sciences and Disorders**

College of Natural and Health Sciences

*Department of Communication Sciences and Disorders (p. 97)*

**CSD 160 - Introduction to Human Communication and Its Disorders (3)**

Survey identifying characteristics, causes, diagnosis and treatment of speech, language, and hearing disorders. Includes disorders in hearing, stuttering, voice, articulation, child language, adult aphasia, head injury and dementia.

Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**CSD 220 - Musical Acoustics and Health Issues (3)**

This hands-on exploratory course is designed to introduce students to the nature of sound energy as it relates to musical acoustics and its biophysical impacts on vocal and hearing health.

Offered: Generally offered Fall and/or Spring Annually. Course Fee: Course Fee Required.

**CSD 260 - Introduction to Phonetics (3)**

Characteristics of American English speech sounds and the International Phonetic Alphabet symbols used to represent them. Typical and atypical phonological processes and the transcription of speech sound errors.

Offered: Generally offered Fall and/or Spring Annually.

**CSD 266 - Normal Speech and Language Development (3)**

Normal speech and language development and their relationship to other aspects of child development. Should be taken after the English composition LAC requirement is completed.

Offered: Generally offered Fall and/or Spring Annually.

**CSD 267 - Anatomy and Physiology of the Speech and Hearing Mechanism (4)**

Structure and function of the speech and auditory/vestibular mechanisms.

Prerequisite: (BIO 110 with a minimum grade of C- or (BIO 100 and BIO 105 with a minimum grade of C-)) and (BIO 245 with a minimum grade of C-). Offered: Generally offered Fall and/or Spring Annually.

**CSD 343 - Fundamentals of Physiological and Biological Acoustics (2)**

The physics of sound as it relates to speech and hearing. Should be taken after the mathematics LAC requirement is completed.

Offered: Generally offered Fall and/or Spring Annually. Course Fee: Course Fee Required.

**CSD 360 - Articulation and Voice Disorders (3)**

Current information regarding identification, causation, diagnosis and treatment of disorders of articulation and voice disorders.

Prerequisite: CSD 260 with a minimum grade of C-. Offered: Generally offered Fall and/or Spring Annually.

**CSD 365 - Language Disorders in Children (3)**

Analysis of aspects of language as they relate to treatment of language disorders in children.

Prerequisite: CSD 266 with a minimum grade of C-. Offered: Generally offered Fall and/or Spring Annually.

**CSD 366 - Language Sampling Processes (1)**

Methods of eliciting language samples from children and manual and computerized language sampling analyses.

Prerequisite: CSD 266 with a minimum grade of C-. Offered: Generally offered Fall and/or Spring Annually.

**CSD 370 - Basic Audiology (4)**

Pathologies and disorders of the auditory vestibular system, pure-tone testing, methods of speech audiometry, interpretation of audiometric data in terms of physical, social and educational effects. An introduction to aural rehabilitation.

Offered: Generally offered Fall and/or Spring Annually.

**CSD 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**CSD 431 - Organically-Based Communication Disorders (3)**

Current information regarding identification, causation, diagnosis and treatment of organically-based communication disorders, including cleft palate, cerebral palsy and aphasia.

Prerequisite: CSD 267 with a minimum grade of C-.

Offered: Generally offered Spring Annually. Class Restriction: Include Junior and Senior.

**CSD 469 - Clinical Processes in Communication Sciences and Disorders (4)**

Philosophy and implementation of diagnosis, and treatment of communication disorders. Administration, scoring and interpretation of data from observation and tests/inventories. Development of treatment programs, evidence-based practice, ethics, and client-clinician relationships.

Prerequisite: (CSD 360 and CSD 365 with a minimum grade of C-). Offered: Generally offered Fall and/or Summer Annually. Course Fee: Course Fee Required.

**CSD 473 - SLPA Seminar and Field Experience (4)**

Development of basic knowledge and competencies as a speech language pathology assistant through participation in classroom activities, observations and reflections, and collaborative teaching of children with communication disorders. Field experience under professional supervision.

Special Notes: 25 documented observation hours in the major and a 3.0 major GPA are required.

Prerequisite: CSD 469 with a minimum grade of C-.

Offered: Generally offered Fall Annually.

**CSD 474 - Clinical Practicum in Audiology (1)**

Perform basic audiometric testing: audiometric screening, routine hearing evaluation and impedance audiometry. S/U graded.

Special Notes: 25 documented observation hours in the major and a 3.0 major GPA are required.

Prerequisite: CSD 370 with a minimum grade of C-.

Offered: Generally offered Fall Annually.

**CSD 478 - Aural Rehabilitation and Amplification (3)**

A study of basic principles of aural rehabilitation and the use of amplification systems for hearing impaired individuals including personal hearing aids and other specialized assistive listening/alerting devices.

Prerequisite: CSD 370 with a minimum grade of C-.

Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Senior.

**CSD 483 - Entry/Primary Speech-Language Pathology Practicum (2)**

Learn general principles of the clinical process. Provide supervised individual therapy to clients with communication disorders. S/U graded.

Special Notes: 25 documented observation hours in the major and a 3.0 GPA in major courses required.

Prerequisite: CSD 469 with a minimum grade of C-.

Offered: Generally offered Spring Annually.

**CSD 487 - Advanced Audiology (3)**

Theory and practice of advanced techniques of audiometric assessment.

Prerequisite: (CSD 267 and CSD 370 with a minimum grade of C-). Offered: Generally offered Fall Annually.

**DNCE - Dance**

College of Performing and Visual Arts

*School of Theatre Arts and Dance*

**DNCE 130 - Dance and Culture (3)**

This course will introduce the student to the foundations, and subsequent cultural impact, of social and theatrical dance through lectures, discussions, and written assignments. The primary focus of this course is to impart the basic groundwork for the development and purpose of dance across many cultures in order to provide the student with a broad understanding of dance as a performative art, source of communication, and reflection of multicultural influence. No previous dance training is required.

Offered: Generally offered Fall and/or Spring Annually.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAMS-Multicultural Studies and GT Arts.

**DNCE 140 - Embodied Rhythm (2)**

This practice-based course will introduce students to the fundamental elements of dance most closely connected to the practice of music. Students will study elements of dance theory, dance terminology, music embodiment, improvisation, dance history and choregraphical approaches in a studio context. The class will explore a variety of both Western and Non-Western dance styles and cultural influences as they relate to music.

Offered: Generally offered Fall - Check with department/school for next offering. Course Fee: Differential Tuition Required.

**DNCE 166 - Ballet I (2)**

Gain knowledge and skill in the activity of ballet.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**DNCE 167 - Ballroom Dance I (2)**

Gain knowledge and skill in the activity of ballroom dancing.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**DNCE 170 - Jazz Dance I (2)**

Gain knowledge and skill in the activity of jazz dance.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**DNCE 171 - Modern Dance I (2)**

Gain knowledge and skill in the activity of modern dance.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**DNCE 172 - Foundations of Hip Hop (2)**

The purpose of this course is to provide introductory concepts in the foundational elements of Hip-Hop dance. Coursework will cover basic elements of the various styles of Hip-Hop dance including: Up Rock, Breaking, Locking, Popping and Roboting. Historical relevant commentary will be added as a matter of course as each style has its origins in American Culture and the rise of Hip-Hop music.

Course Fee: Differential Tuition Required.

**DNCE 175 - Tap Dance I (2)**

Gain knowledge and skill in the activity of tap dance.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**DNCE 180 - Ballet II (3)**

Gain intermediate knowledge and skill in the activity of ballet.

Prerequisite: DNCE 166 with a minimum grade of D-. Repeatable Status: Course may be repeated 3 times. Course Fee: Differential Tuition Required and Course Fee Required.

**DNCE 181 - Jazz Dance II (3)**

Gain intermediate knowledge and skill in the activity of jazz dance.

Prerequisite: DNCE 170 with a minimum grade of D-. Repeatable Status: Course may be repeated 3 times. Course Fee: Differential Tuition Required and Course Fee Required.

**DNCE 182 - Modern Dance II (3)**

Gain intermediate knowledge and skill in the activity of modern dance.

Prerequisite: DNCE 171 with a minimum grade of D-. Repeatable Status: Course may be repeated 3 times. Course Fee: Differential Tuition Required.

**DNCE 183 - Tap Dance II (2)**

Gain intermediate knowledge and skill in the activity of tap dance.

Prerequisite: DNCE 175 with a minimum grade of D-. Repeatable Status: Course may be repeated 3 times. Course Fee: Differential Tuition Required and Course Fee Required.

**DNCE 280 - Ballet III (3)**

This course is designed to introduce the basic concepts of Ballet at the advanced level. Concentration will be placed on proper alignment, placement, and rotation of the legs from the hip sockets.

Prerequisite: (DNCE 166 and DNCE 180 with a minimum grade of D-). Repeatable Status: Course may be repeated 4 times. Course Fee: Differential Tuition Required.

**DNCE 281 - Jazz Dance III (3)**

A continuation in the study of the technique and performance qualities of Jazz dance with specific emphasis placed on nuance, control of movement, and quality of movement in performance as well as advanced technical concepts.

Prerequisite: DNCE 181 with a minimum grade of D-. Repeatable Status: Course may be repeated 4 times. Course Fee: Differential Tuition Required.

**DNCE 296 - Choreography and Improvisation I (3)**

Investigate and explore principles of modern dance composition such as movement manipulation, phrasing, spatial design and choreographic form. Experiences in spontaneous movement exploration.

Course Fee: Differential Tuition Required.

**DNCE 308 - Workshop in Dance (1-2)**

Study in the problem areas of participants. Problems will vary with experts conducting workshops. S/U graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**DNCE 355 - Dance Performance II (3)**

Study and practice of basic theories of dance performance, either in student informal or formal concert setting.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**DNCE 397 - Choreography and Improvisation II (3)**

Learn intermediate level dance technique, movement analysis and composition as an intermediate dance student.

Prerequisite: DNCE 296 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**DNCE 459 - Dance Production in High School and College (2)**

Make practical application of principles that serve the presentation of dance. Deal with the choreographic problems, its direction and production involving theatre application of set, costume and light design.

Prerequisite: DNCE 397 with a minimum grade of C-. Course Fee: Differential Tuition Required.

**ECLD - Culturally and Linguistically Diverse Education**

College of Education and Behavioral Sciences

*School of Teacher Education*

**ECLD 340 - Academic Language/Literacy Development in the Content Areas at the Secondary Level (3)**

Focuses on language/literacy development of all learners, including culturally and linguistically diverse learners in the academic context. Examines theories, concepts, and research to guide and inform instructional decisions. Covers effective strategies and appropriate materials for all students' language/literacy development with particular attention to the CLD population.

Offered: Generally offered Fall and/or Spring Annually.

**ECLD 350 - Teaching Young Bilingual Children (3)**

Learn about research based and standards-based methods, approaches, and programs for teaching English as a Second Language/English as a Foreign Language to young children (Birth-3rd grade).

**ECLD 360 - Second Language Acquisition (3)**

This is an introduction to the systematic study of second language acquisition. We will discuss main theories of second language acquisition and the implications of research in this field for the second language learners and for the use and acquisition of language in the classroom.

Offered: Generally offered Fall and/or Spring Annually.

**ECLD 380 - Introduction to Linguistics for ESL/CLD Educators (3)**

This under-graduate course is specifically designed to provide teacher candidates of English as a Second Language and Linguistically Diverse Education with an introduction to language and linguistics that will be relevant for their future professions. The course provides participants with the foundational grammatical, linguistic and sociolinguistic concepts that will help them better understand the English language in order to assist English language learners in oral and written language development. The course also promotes an applied approach to learning about language and linguistics and draws on socio-psycholinguistic perspectives to develop inquiry-based understanding. Participants will learn how to analyze and explore learner language in ways that can inform ESL instruction and assessment in the K-12 classroom.

Offered: Generally offered Fall and/or Spring Annually.

**ECLD 400 - Methods and Approaches of Teaching Culturally and Linguistically Diverse Students (3)**

In this course, students will learn about how to support emergent bilingual students in K-12 classrooms, including effective methods, approaches, assessments, and programs for teaching English as a Second Language. Topics for the course include: principles of second language acquisition, culturally sustaining pedagogy, language acquisition strategies across the four language domains (listening, speaking, reading, and writing), and instructional approaches for simultaneously teaching, or integrating, academic language and content. Through application activities and a culminating integrative lesson design project, students will develop deep understanding of how to put theory and research into practice to create responsive and supportive learning spaces for emergent bilingual students.

Prerequisite: (ECLD 340 or ECLD 455 with a minimum grade of D-) and (ECLD 360 and ECLD 380 and WLC 390 with a minimum grade of D-). Corequisite: ECLD 401.

Offered: Generally offered Fall and/or Spring Annually.

**ECLD 401 - CLD Practicum (3)**

This course is designed to provide opportunities for students to observe and teach emergent bilingual students in a classroom setting. The practicum instructor will observe students using the SIOP observation protocol with additional focus on the incorporation of culturally sustaining instructional practices. The ECLD 401 practicum is the last course in the CLD endorsement sequence. Students demonstrate in this course their ability to effectively teach emergent bilingual students, collaborate with mentor and other teachers, and connect to their families and communities. S/U graded.

Prerequisite: (ECLD 340 or ECLD 455 with a minimum grade of D-) and (ECLD 360 and ECLD 380 and WLC 390 with a minimum grade of D-). Corequisite: ECLD 400. Offered: Generally offered Fall, Spring, and/or Summer Annually. Course Fee: Supervision Fee Required.

**ECLD 450 - Literacy/Content Instruction in Bilingual Classrooms (3)**

Fluency in Spanish as indicated by the Spanish Oral Proficiency Exam. Students will examine content area and concepts in methodology, curriculum and resources when instruction is delivered in Spanish.

**ECLD 455 - Approaches to Content Literacy for Diverse Learners (3)**

This course builds upon previous literacy coursework to explore how to develop students' content literacy, with special attention to culturally and linguistically diverse (CLD) learners. It provides theoretical foundations for conceptualizing language and literacy learning that are rooted in Scientifically Based Reading Research (SBRR), sociocultural theory, and systemic functional linguistics. Central course learning activities include: (1) practicing effective strategies for supporting students' literacy development across content areas; (2) deconstructing school-based texts to analyze how text structure and language features relate to purpose, audience, and voice; and (3) designing content/language integrated lessons. Throughout this course, students will also become familiar with the Sheltered Instruction Observation Protocol (SIOP) and the WIDA English Language Development (ELD) Standards.

Prerequisite: (EDEC 250 and EDEL 310 and EDEL 360 with a minimum grade of D-). Corequisite: EDEL 425 and EDEL 457. Offered: Generally offered Fall and/or Spring Annually.

**ECON - Economics**

College of Humanities and Social Sciences

*Department of Economics (p. 83)*

**ECON 203 - Principles of Macroeconomics (3)**

Discuss and study macroeconomic issues and models of aggregate economic analysis with emphasis on income, expenditures, fiscal and monetary policy, employment, inflation and growth.

Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and GT Economics & Political Sys.

**ECON 205 - Principles of Microeconomics (3)**

Supply and demand, consumer utility, production and costs, perfect competition, pure monopoly, resource allocation, public goods, income distribution and economic regulation.

Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and GT Economics & Political Sys.

**ECON 301 - Money and Banking (3)**

The study of monetary theory, monetary policy, money, banking and the Federal Reserve System.

Prerequisite: ECON 203 with a minimum grade of D-.

**ECON 303 - Intermediate Macroeconomics (3)**

Study the determinants of aggregate demand, aggregate supply, employment, macroeconomic objectives and policies.

Prerequisite: ECON 203 with a minimum grade of D-.

**ECON 304 - Economics of Gender (3)**

Study of heterodox economic theory as pertaining to the economic status of women and men, the institutions that have affected their economic relative status, and probable impacts of traditional economic definitions and practices on the relative status of women and other minority groups.

Prerequisite: (ECON 203 or ECON 205 with a minimum grade of D-).

**ECON 305 - Intermediate Microeconomics (3)**

The theory of consumer choice, of the business firm and resource allocation.

Prerequisite: ECON 205 with a minimum grade of D-.



**ECON 310 - Economics of Entrepreneurship (3)**

This course will give an in-depth understanding of how to apply economics to decisions faced by today's growing number of business enterprises. Focus is on Colorado's new enterprises.

Prerequisite: ECON 205 with a minimum grade of D-.

**ECON 315 - Labor Economics (3)**

Examine labor movements, development of labor laws and policy, economics of labor markets and employment.

Prerequisite: (ECON 203 or ECON 205 with a minimum grade of D-).

**ECON 325 - Behavioral Economics (3)**

This course covers the fundamental concepts, theories, and applications of behavioral and experimental economics to understand how economic decisions are made and the mechanisms that drive public choice.

Prerequisite: ECON 205 with a minimum grade of D-.

**ECON 335 - Environmental and Resource Economics (3)**

Students will examine the strengths and weaknesses of economic theory in analyzing the seriousness of resource and environmental issues facing society.

Prerequisite: ECON 205 with a minimum grade of D-.  
Mutually Exclusive Course: Credit allowed for only one of these courses: ECON 335 and ENST 335.

**ECON 341 - Public Finance (3)**

Government financing at federal, state and local levels as reflected in expenditures, revenues and debt.

Prerequisite: (ECON 203 and ECON 205 with a minimum grade of D-).

**ECON 344 - International Economics (3)**

Examine theories of international trade and the impact of trade policies on income and employment. Explores the international financial system, including exchange rates and capital flow.

Prerequisite: (ECON 203 and ECON 205 with a minimum grade of D-).

**ECON 349 - Economics of Religion (3)**

This course will employ various economic models, theories, and concepts to study religious beliefs and institutions. The primary focus will be on Christianity and the changing religious landscape in the United States.

Prerequisite: ECON 205 with a minimum grade of D-.

**ECON 356 - Water Resource Economics (3)**

Examination of economic principles governing water planning, development and law. Discussion of supply and demand, quality and political issues. Relationship to Colorado and local situation.

Mutually Exclusive Course: Credit allowed for only one of these courses: ECON 356 and ENST 356.

**ECON 360 - Economics of Growth and Development (3)**

Analyze the theory, processes and history of economic growth and development, emphasizing resource use and productivity in less developed areas.

Prerequisite: (ECON 203 or ECON 205 with a minimum grade of D-).

**ECON 362 - Economic History of the United States (3)**

Review the historical changes in United States economic institutions. Assess United States history based on macroeconomic and microeconomic pressures. Emphasis is on post-Civil War period.

Prerequisite: (ECON 203 and ECON 205 with a minimum grade of D-).

**ECON 365 - Urban and Housing Economics (3)**

Students study economic problems relevant to urban areas including land use, housing and poverty, and the role of the private and public sector in resolving these problems.

Prerequisite: (ECON 203 and ECON 205 with a minimum grade of D-).

**ECON 370 - History of Economic Thought (3)**

Trace the evolution of economic thinking from 17th century to modern day. See roles played by certain schools of economic thinkers, the genesis of their ideas and their contributions.

Prerequisite: (ECON 203 and ECON 205 with a minimum grade of D-).

**ECON 377 - Industrial Organizations (3)**

Theoretical and empirical study of the structure, organization and conduct of firms on economic performance and welfare.

Prerequisite: ECON 205 with a minimum grade of D-.

**ECON 378 - Energy Policy and Economics (3)**

This course examines the dominant trends and challenges affecting energy systems and policy around the world, including the evolution and economics of fossil fuels, alternative energy technologies, and clean energy policies.

Mutually Exclusive Course: Credit allowed for only one of these courses: ECON 378 and ENST 378.

**ECON 382 - Sustainability and Capitalism (3)**

Use case studies to explore a general overview of commerce, economics, and business as it relates to the environment and human interaction.

Mutually Exclusive Course: Credit allowed for only one of these courses: ECON 382 and ENST 382.

**ECON 395 - Special Topics in Economics (3)**

This course explores various topics in economics.

Prerequisite: (ECON 203 or ECON 205 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**ECON 422 - Directed Study (1-3)**

Individualized investigation under the direct supervision of a faculty member. Minimum of 37.5 clock hours required per credit hour.

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**ECON 452 - Econometrics (3)**

Estimating statistical regression models of economic relationships; treatment of special problems that may arise in analysis of economic data.

Prerequisite: (ECON 303 and ECON 305 and STAT 150 with a minimum grade of D-). Major/Minor Restriction: Include Economics Major(s). Class Restriction: Include Senior.

**ECON 475 - Senior Seminar (3)**

Apply economic theory, research methodologies, and modeling techniques to the analysis of current issues facing society.

Prerequisite: (ECON 303 and ECON 305 with a minimum grade of D-). Major/Minor Restriction: Include Economics Major(s). Class Restriction: Include Senior.

**ECON 492 - Internship in Economics (3 - 6)**

Internships in the public and private sectors to provide students with professional experience.

Prerequisite: GPA-2.5. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**EDEC - Early Childhood Education**

College of Education and Behavioral Sciences

*School of Teacher Education*

**EDEC 101 - Introduction to Early Childhood Education (3)**

Key areas of professional knowledge: child growth and development; health, nutrition and safety; developmentally appropriate practice; guidance; family and community relationships; diversity; professionalism; administration and supervision. Ages birth through 8.

**EDEC 102 - Introduction to Early Childhood Education Lab (3)**

60 Lab hours and 15 seminar hours. The supervised placement in a child care setting. Observe children, practice appropriate interactions, and develop effective guidance and management techniques. Ages 0 through 8.

**EDEC 103 - Guidance Strategies and Trauma Informed Practices for Children (3)**

Explores trauma informed practices and guidance theories, applications, goals, techniques and factors that influence expectations, classroom management issues, and pro-social skills of children from birth through age 8.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Early Childhood Major(s).

**EDEC 104 - Child Development in Context (3)**

This course encompasses early childhood development (0-8 years) and research-based classroom adaptations of the four domains: physical, psycho-social, cognitive, and language development. Observations are required for understanding child development within the context of pluralistic environments.

Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Early Childhood Major(s).

**EDEC 205 - Nutrition, Health, and Safety (3)**

Nutrition, health and safety as key factors for optimal growth and development of young children. Nutrient knowledge, menu planning, food program participation, health practices, management and safety. Prenatal through age 8.

**EDEC 220 - Curriculum Development: Methods and Techniques (3)**

An overview of early childhood curriculum development. Planning and implementing developmentally appropriate instruction.

**EDEC 240 - Administration of Early Childhood Care and Education Program (3)**

Examines Colorado's minimal licensing requirements, as well as optimal standards pertaining to the operation of programs for young children. Focuses on the director's administrative skills and role as a community advocate for young children. Addresses ages birth through 12.

**EDEC 241 - Administration: Human Relations for Early Childhood (3)**

Human relations component of an early childhood professional's responsibilities: director-staff relationships, leadership strategies, parent partnerships and community interaction.

**EDEC 250 - Diverse Early Language and Literacy (3)**

Foundational study of oral language development and early literacy learning in multi-cultural and multi-linguistic classrooms.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Offered: Generally offered Fall and/or Spring Annually.

Major/Minor Restriction: Include Early Childhood (and) Elementary Education (and) Theatre Arts Major(s).

**EDEC 262 - ECE Practicum Field Experience I (2)**

Field-based learning practicum in partnership schools under the supervision and coordination of university faculty and partner school personnel for 16 weeks. S/U graded.

Prerequisite: Completion of Applic for Initial Adm to PTEP. Corequisite: EDEC 250. Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Early Childhood Major(s). Course Fee: Supervision Fee Required.

**EDEC 308 - Early Childhood Workshop (1-10)**

Study problems in early childhood education. Area covered in any one workshop determined by subtitle. S/U graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**EDEC 315 - Children's Literature for Early Childhood, Pre K to 3rd Grade (3)**

This course will examine the field of children's literature and provide early childhood students with the skills, knowledge, and attitudes to select high-quality children's books to read to and be read by young children (birth through third-grade).

Prerequisite: GPA-2.5.

**EDEC 330 - Development and Education of Infants and Toddlers (3)**

This course presents an overview of theories and applications including observation and issues pertinent to infant and toddler development in group and family settings.

Program Restrictions: Include INDS:Early Childhood Ed-BA and INDS:Early Childhood LA-BA and Early Childhood:Lib Arts-BA and Early Childhood:Teacher Ed-BA and Early Childhood:Lib Arts-BA and Early Childhood:Teacher Ed-BA.

**EDEC 360 - School Programs for Young Children (3)**

Focus on authentic community service in the context of School Programs for Young Children. Includes a forty-five hour practicum experience and 1.5 per week class.

Prerequisite: (GPA-2.75) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Program Restrictions: Include Early Childhood:Teacher Ed-BA and INDS:Early Childhood Ed-BA and Early Childhood:Lib Arts-BA. Course Attribute: Community Engaged Learning.

**EDEC 361 - School Programs for Young Children (CUE) (2)**

Focus on Authentic community service in the context of School Programs for Young Children.

Prerequisite: (GPA-2.75) and (Completion of Applic for Initial Adm to PTEP).

**EDEC 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**EDEC 450 - Family Diversity and Engagement Early Childhood Education (3)**

The major purpose of this course is to present the theoretical foundation and practical applications of family diversity and parent involvement in early childhood education.

Offered: Generally offered Spring Annually.

**EDEC 455 - Creative Expression and Play in Early Childhood (3)**

Addresses the importance of high quality and meaningful play and creative arts experience across the early childhood curriculum. Applies the creative arts to enhance the development of basic skills.

**EDEC 461 - Early Childhood Curriculum Language Arts (3)**

Developmentally appropriate programming for children ages 3-8 in the curriculum areas of literacy and the social world. Appropriate assessment for programming will be included.

Prerequisite: (GPA-3.0) and (Completion of Applic for Full Adm to PTEP). Offered: Generally offered Fall Annually.

**EDEC 462 - ECE Practicum Field Experience II (2)**

Field-based learning practicum in partnership schools under the supervision and coordination of university faculty and partner school personnel for 16 weeks. S/U graded.

Prerequisite: (GPA-3.0) and (Completion of Applic for Full Adm to PTEP). Corequisite: EDEC 461 and EDEC 463 and EDEC 465 and EDEC 481 and EDEC 482. Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Early Childhood Major(s). Course Fee: Supervision Fee Required.

**EDEC 463 - Early Childhood Curriculum Social Studies (3)**

This course teaches teachers of young children the subject area of social studies in K-3 curriculum. Content knowledge and teaching strategies will be the focus of the course. During the semester, students will be in a field experience associated with the literacy methods course that will allow them to also focus on the area of social studies within an elementary primary classroom.

Prerequisite: (GPA-3.0) and (Completion of Applic for Full Adm to PTEP). Corequisite: EDEC 462 and EDEC 465 and EDEC 481 and EDEC 482. Offered: Generally offered Fall Annually.

**EDEC 465 - Managing Early Childhood Classrooms (2)**

Examine components of effective classroom management procedures with children in groups. Topics include theoretical perspectives, rules and organization, pro-social behavior, and effective pedagogical decisions.

Prerequisite: (GPA-3.0) and (Completion of Applic for Full Adm to PTEP). Corequisite: EDEC 462 and EDEC 463 and EDEC 481 and EDEC 482. Offered: Generally offered Fall Annually.

**EDEC 475 - Assessment for Primary Classrooms (3)**

Assessment issues, practices, and techniques in the K-3 elementary school classrooms.

**EDEC 481 - Early Childhood Curriculum II Mathematics (3)**

Explores mathematics instruction for young children from birth through age 8, with particular emphasis on the prekindergarten to grade 3 range.

Prerequisite: (GPA-3.0) and (Completion of Applic for Full Adm to PTEP). Corequisite: EDEC 461 and EDEC 462 and EDEC 463 and EDEC 465 and EDEC 482. Offered: Generally offered Fall Annually.

**EDEC 482 - Early Childhood Curriculum II Science (3)**

Explores science instruction for young children from birth through age 8, with particular emphasis on the prekindergarten to grade 3 range.

Prerequisite: (GPA-3.0) and (Completion of Applic for Full Adm to PTEP). Corequisite: EDEC 462 and EDEC 463 and EDEC 465. Offered: Generally offered Fall Annually.

**EDEC 490 - Early Childhood Student Teaching (6 - 12)**

This is a field-based course, providing full-time focused teaching experience in grades K-3 for 16 weeks (640 clock hours). Main Campus students must take 12 credits. Urban Education students must take 6 credits. S/U graded.

Prerequisite: (GPA-3.0) and (EDFE 130 with a minimum grade of S or (Passed Required Praxis and Completion of Application for Student Teaching)). Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time. Course Fee: Supervision Fee Required.

## EDEL - Elementary Education

College of Education and Behavioral Sciences

*School of Teacher Education*

### **EDEL 101 - Elementary Teaching as a Profession (1-3)**

This course serves as an introduction to the Elementary Education Teaching major. To fulfill these introductory goals, candidates will examine the professional expectations of today's elementary teachers. This course will help acquire the knowledge, skills, and dispositions necessary to become an effective educator.

Offered: Generally offered Fall and/or Spring Annually.  
Major/Minor Restriction: Include Elementary Education Major(s)/Minor(s).

### **EDEL 220 - Teaching with Writing (3)**

Provides elementary teacher candidates with research-based principles for teaching writing to diverse students in grades K-6. The course also focuses on the teacher candidate's own writing attitudes and proficiencies and serves to address the reciprocity of writing and reading instruction methods.

Prerequisite: (EDEL 101 or EDEC 101 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually.

### **EDEL 310 - Reading Assessment Informs Teaching (3)**

Foundational study of reading assessment, based on principles for matching reading assessment data to instructional decisions; policy provisions on assessment in a multi-tiered system of support; effective and ethical assessment in aspects of reading-such as phonological/phoneme awareness, phonics and word identification, fluency, vocabulary, and comprehension; assessment informing instruction for dyslexia and other persistent reading difficulties; knowledge of language structures necessary for interpreting assessment.

Prerequisite: EDEC 250 with a minimum grade of D-.

### **EDEL 339 - Assessment Data for Elementary Classrooms: Large Sets (1)**

This course examines in-depth understanding of large student data assessments including effective practices, implementation, and ways to use data to improve teaching in the K-6 elementary school classrooms.

Corequisite: EDEL 420 and EDEL 459 and SCED 475.  
Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior.

### **EDEL 360 - Teaching Foundational Reading Skills (3)**

Instructional application of foundational skills of reading development, based on consensus science in effective reading instruction; effective instruction in components of reading and writing-phonological/phonemic awareness, phonics and word identification, fluency, vocabulary, text comprehension; instruction with dyslexia and other persistent reading difficulties. This course includes a required field component.

Prerequisite: (EDEL 310 or EDSE 411 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually.

### **EDEL 420 - Elementary School Mathematics Methods (3)**

Teacher candidates acquire specific subject matter content while learning instructional strategies related to teaching mathematics education in elementary school classrooms.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: EDEL 339 and EDEL 459 and SCED 475. Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior.

### **EDEL 421 - Mathematics Practicum (1)**

Mathematics field base learning practicum in elementary schools under the supervision and coordination of university faculty and partner school personnel for 8 weeks with two additional meetings on campus. S/U graded.

Prerequisite: (GPA-3.0) and (MATH 181 and MATH 283 with a minimum grade of D-). Corequisite: EDEL 450.

### **EDEL 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**EDEL 425 - Elementary School Social Studies Methods (3)**

Teacher candidates acquire specific subject matter content while learning instructional strategies related to teaching social studies education in elementary school classrooms.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: ECLD 455 and EDEL 457. Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior.

**EDEL 450 - Integrated Social Studies and Mathematics Methods (6)**

Teacher candidates acquire specific subject matter content while learning how to design and engage in classroom practices related to mathematics and social studies education in elementary school classrooms.

Prerequisite: (GPA-3.0) and (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP) and (MATH 283 with a minimum grade of D-). Corequisite: EDEL 421. Major/Minor Restriction: Include Elementary Education (and) Interdisciplinary Studies Major(s)/Minor(s). Repeatable Status: Course may be repeated 1 time.

**EDEL 454 - Student Teaching (12)**

A minimum of sixteen weeks of field-based experience in an elementary classroom under the supervision and coordination of university faculty and cooperating school personnel. S/U graded.

Prerequisite: (GPA-3.0) and (EDFE 130 with a minimum grade of S or (Passed Required Praxis and Completion of Application for Student Teaching)). Major/Minor Restriction: Include Elementary Education Major(s)/Minor(s). Class Restriction: Include Senior. Course Attribute: Variable Title Course. Course Fee: Supervision Fee Required.

**EDEL 457 - Social Studies/Literacy Practicum (3)**

Field-based learning practicum in partnership schools under the supervision and coordination of university faculty and partner school personnel for 15 weeks. Teacher Candidates will teach in inclusive elementary classrooms (K-2 or 3-6 whichever they did not complete in EDEL 459) to implement best instructional practices for all learners. S/U graded.

Prerequisite: (GPA-2.75) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: ECLD 455 and EDEL 425. Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior. Course Fee: Supervision Fee Required.

**EDEL 459 - Mathematics/Science Practicum (3)**

Field-based learning practicum in partnership schools under the supervision and coordination of university faculty and partner school personnel for 15 weeks. Teacher Candidates will teach in inclusive elementary classrooms (K-2 or 3-6; whichever they did not complete in EDEL 457) to implement best instructional practices for all learners. S/U graded.

Prerequisite: (GPA-2.75) and (MATH 283 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: EDEL 339 and EDEL 420 and SCED 475. Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior. Course Fee: Supervision Fee Required.

**EDEL 462 - Integrated Science Methods II (1)**

Students will design a lesson plan, distinguish between science lessons and thematic units, and create assessment tools applicable to their needs. They will learn how to do Project WILD activities.

Prerequisite: EDEL 461 with a minimum grade of D-. Campus Restriction: Urban Education Majors only.

**EDEL 466 - Integrated Literacy Methods - Strategic Literacy and Instruction (1)**

Urban Education Learn strategies related to emergent literacy, word knowledge, recognition, and analysis, and the ability to flexibly combine these strategies with the broader purpose of reading for meaning. Tutoring component required.

Campus Restriction: Urban Education Majors only.

**EDEL 467 - Integrated Literacy Methods - Diagnosis, Individualism and Assessment (1)**

Examines reading difficulties, diagnosis and individualization; experience using formal/informal standards-based assessment. Explores literacy assessment; requires demonstrated ability to use performance-based assessment in literacy instruction. Tutoring component required.

Prerequisite: EDEL 466 with a minimum grade of D-. Campus Restriction: Urban Education Majors only.

**EDEL 468 - Integrated Literacy Methods - Reading and Writing Across the Curriculum (1)**

Urban Education Develops sensitivity to the affective and cognitive needs of elementary students in reading and writing to learn in the content areas. Students will participate in field related apprenticeships.

Campus Restriction: Urban Education Majors only.

**EDEL 471 - Integrated Instruction in Elementary School Social Studies - Geography (1)**

Urban Education Students will learn curriculum, course planning, teaching strategies, materials, and assessment, with examples of successful pedagogical approaches for teaching standards-based geography concepts.

Campus Restriction: Urban Education Majors only.

**EDEL 472 - Integrated Instruction in Elementary Social Studies - History (1)**

Urban Education Students will learn curriculum, course planning, teaching strategies, materials, and assessment with examples of successful pedagogical approaches for teaching standards-based concepts.

Campus Restriction: Urban Education Majors only.

**EDEL 473 - Integrated Instruction in Economics and Citizenship Education (1)**

Urban Education Students will learn curriculum, course planning, teaching strategies, materials, and assessment with examples of successful pedagogical approaches for teaching standards-based economics and citizenship education concepts.

Campus Restriction: Urban Education Majors only.

**EDEL 474 - Integrated Elementary Math Education I (1)**

Focus on a small, integrated unit involving children's literature, social studies and math. Number sense, use of hands-on materials and problem solving to construct understanding in math are emphasized.

Prerequisite: (Concurrent Prerequisite MATH 181 and Concurrent Prerequisite MATH 182 with a minimum grade of D-). Campus Restriction: Urban Education Majors only.

**EDEL 475 - Integrated Elementary Math Education II (1)**

Focuses on problem solving emphasizing real world application and the use of technology. Colorado Model Standards for Mathematics and Performance-Based Standards for Colorado Teachers will be applied.

Prerequisite: EDEL 474 with a minimum grade of D-. Campus Restriction: Urban Education Majors only.

**EDEL 476 - Integrated Elementary Math Education III (1)**

Focus on assessment, continuing development of lesson plans based on authentic problem solving and integration with other content areas. Colorado Model Standards for Mathematics will be applied.

Prerequisite: (EDEL 474 and EDEL 475 with a minimum grade of D-). Campus Restriction: Urban Education Majors only.

**EDEL 477 - Integrated Elementary Art Education (1)**

Urban Education Students learn instructional techniques, activities and content knowledge appropriate for the teaching of art in the elementary school setting. Integration with other content areas is emphasized.

Campus Restriction: Urban Education Majors only.

**EDEL 478 - Integrated Elementary Music Education (1)**

Urban Education Elements of music, benefits of music study, practice in reading nontraditional music notation, making/playing musical instruments, movement, listening, beginning improvisation and composition, multicultural resources, and music technology.

Campus Restriction: Urban Education Majors only.

**EDEL 479 - Integrated Elementary Physical Education (1)**

Urban Education Study effective teaching and learning theories, basic movement principles and activities included in a quality program of physical education in the elementary school. Integration with content areas is emphasized when appropriate.

Campus Restriction: Urban Education Majors only.

**EDF - Foundations of Education**

College of Education and Behavioral Sciences

*School of Teacher Education*

**EDF 290 - Foundations of Education (3)**

Social, historical and philosophical foundations of education. Critical interdisciplinary examination of schooling in a democratic pluralistic society.

Prerequisite: (GPA-2.5) and (Completion of Applic for Initial Adm to PTEP). Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering.

**EDF 408 - Workshop (1-3)**

A variety of workshops on special topics within the discipline. Goals and objectives will emphasize the acquisition of general knowledge and skills in the discipline.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**EDF 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**EDFE - Educational Field Experiences**

College of Education and Behavioral Sciences

*School of Teacher Education*

**EDFE 110 - Application for Initial Admission to PTEP (0)**

Must have completed a minimum of 15 semester hours. Submit completed packet to the STE Office. Requirements/Checklist can be found on-line at [www.unco.edu/teach/check.html](http://www.unco.edu/teach/check.html). S/U graded.

**EDFE 120 - Application for Full Admission to PTEP (0)**

Submit completed packet to the STE Office. Requirements/Checklist can be found on-line at [www.unco.edu/teach/check.html](http://www.unco.edu/teach/check.html). S/U graded.

Prerequisite: EDFE 110 with a minimum grade of S.

**EDFE 125 - Application for Graduate Licensure Admission to PTEP (0)**

Submit completed packet to the STE Office. Requirements/Checklist can be found on-line at [www.unco.edu/teach/check.html](http://www.unco.edu/teach/check.html). S/U graded.

Level Restriction: Include GR.

**EDFE 130 - Application for Student Teaching (0)**

Submit completed packet to the STE Office. Requirements/Checklist can be found on-line at [www.unco.edu/cebs/teacher-education/current-students/checkpoints.aspx](http://www.unco.edu/cebs/teacher-education/current-students/checkpoints.aspx). Subject to approval by Major Content Advisor. S/U graded.

Prerequisite: (EDFE 120 or EDFE 125 with a minimum grade of S).

**EDFE 170 - Introduction to Field Based Experience (1-3)**

Supervised teacher apprenticeship experience. Assignments to assist personal or professional development in the public or private school. Portfolio and seminars required. Letter graded.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Repeatable Status: Course is repeatable with no limitations.

**EDFE 270 - Field Based Experience (2)**

Entry into the teaching profession. Aide assignment in school or agency at preschool-12 level. Required portfolio and seminars.

Prerequisite: (GPA-2.5) and (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Class Restriction: Include Sophomore and Junior and Senior. Repeatable Status: Course may be repeated 1 time.

**EDFE 370 - Advanced Field Based Experience (1-3)**

Advanced supervised teacher apprenticeship experiences. Assignments to assist personal or professional development in the public or private school. Portfolio and seminars required. Letter graded.

Prerequisite: (EDFE 170 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Repeatable Status: Course is repeatable with no limitations.

**EDFE 444 - Supervised Student Teaching (1 - 15)**

Must also meet all student teaching requirements for certification. S/U graded.

Prerequisite: (GPA-3.0) and (EDFE 130 with a minimum grade of S or Passed Required Praxis or Completion of Application for Student Tching). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 15 credit hours. Course Fee: Supervision Fee Required.

**EDI - Educational Interpreting**

College of Education and Behavioral Sciences

*Department of ASL & Interpreting Studies (p. 77)*

**EDI 101 - Field of Interpreting (1)**

Introduces concept of interpreting as a profession and exploring what student needs to know and do to be a professional interpreter.



**EDI 111 - Child and Language Development (1)**

Focuses on theories of child development and acquisition of first language, understanding of children's/youths' development and integral role language plays in that development.

**EDI 112 - Language and Learning in Deaf Children (2)**

Delves into language acquisition and cognition, focusing on children who are deaf or hard of hearing, and on acquisition of ASL and types of discourse common in classroom, BICS, CALP.

Prerequisite: EDI 111 with a minimum grade of D-.

**EDI 113 - Deaf Education (1)**

Overview of public education/deaf education practices, legal foundation for inclusion in public schools, and Individualized Education Plan.

Prerequisite: EDI 101 with a minimum grade of D-.

**EDI 114 - Educational Interpreting (1)**

Covers historical background and current efforts in development of professional guidelines for Educational Interpreting, focusing on standards guiding role, responsibilities, and practices of the profession.

Prerequisite: (EDI 101 and EDI 111 and EDI 112 and EDI 113 with a minimum grade of D-).

**EDI 121 - Languages and Sign Systems (1)**

Investigate languages/communication modes used particularly by deaf students in public schools, acquire ASL transcription skills, and discuss implications language choices have interpreters.

Prerequisite: (EDI 101 and EDI 113 with a minimum grade of D-).

**EDI 122 - Discourse Analysis: Language Use in Education (1)**

Focuses on discourse/language, its analysis, and meaning in classroom. Discusses how interpretation requires understanding of context and intent, not simply individual words/signs, and its effect on students' access to information.

Prerequisite: EDI 121 with a minimum grade of D-.

**EDI 124 - Discourse Analysis: Interpreting Discourse (1)**

Focuses on foundational skills essential to effective interpreting including text analysis, abstracting, paraphrasing, linguistic/meaning analysis, feedback/self-assessment skills, and glossing/transcription.

**EDI 131 - Skills Development Lab I: Foundational Skills (4)**

Focuses on skill development for educational interpreters including language (signed, spoken) and interpreting/transliterating skills. Students develop self-assessment skills and practice professional feedback strategies.

**EDI 132 - Skills Development Lab II: Language Mentorship (1)**

Further skill development, focused on visual language, continued application of self-analysis/transcription skills to enhance interpret effectiveness, and assignment of mentor (to foster fluency in signing). Formats: WebCT, videotape exchange, feedback.

Prerequisite: (EDI 124 and EDI 131 with a minimum grade of D-). Program Restrictions: Include Educational Interpreting-Cert.

**EDI 133 - Skills Development Lab III: Language Mentorship (1)**

Further/final skill development lab, focused on visual language, continued application of self-analysis/transcription skills enhancing interpret effectiveness, and assignment of mentor (to foster fluency in signing). Formats: WebCT, videotape exchange, feedback.

Prerequisite: (EDI 124 and EDI 131 and EDI 132 with a minimum grade of D-).

**EDI 211 - Curriculum Methods and Materials K-12 (1)**

Introduces framework of public school educational process, including standards that define content and learning theories, styles influencing instructional methods and trends in classrooms.

Prerequisite: (EDI 113 and EDI 114 with a minimum grade of D-).

**EDI 212 - Tutoring Techniques (1)**

Provides overview of tutoring support for students who are deaf and hard of hearing, including planning, preparation, and delivery phases of tutoring sessions.

Prerequisite: EDI 211 with a minimum grade of D-.

**EDI 223 - Communication Assessment: Techniques for Educational Interpreters (1)**

Focuses on linguistics and discourse analysis as well as techniques for assessing language of students, teachers, and communication events in educational settings.

Prerequisite: (EDI 111 and EDI 112 and EDI 113 and EDI 114 and EDI 121 and EDI 122 with a minimum grade of D-).

**EDI 231 - Skills Development: K-12 Content Areas (2)**

Focuses on interpretation of K-12 content materials, using actual practice time, discussions of classroom goals/language/mode choice, and development of prepared consecutive and simultaneous materials.

Prerequisite: (EDI 131 and EDI 132 and EDI 133 with a minimum grade of D-).

**EDI 232 - Skills Development: K-12 Non-content Areas (2)**

Focuses on interpreting activities outside academic areas through actual practice time using appropriate content material, discussions of classroom goals/language/mode choice, and development of prepared consecutive and simultaneous materials.

Prerequisite: (EDI 131 and EDI 132 and EDI 133 with a minimum grade of D-).

**EDI 233 - Skills Development Lab IV: Interpreting (3)**

Focuses on enhancement of student's simultaneous interpretation by engaging in frequent practice with review by peers/skills specialists (continuation of EDI 280).

Prerequisite: (EDI 131 and EDI 132 and EDI 231 and EDI 232 and EDI 280 with a minimum grade of D-).

**EDI 234 - Professional Educational Interpreter (1)**

All previous EDI courses. Explores ethical standards and practices related to the profession as well as specific application of ethical standards and practice in the educational context.

**EDI 238 - Portfolio (2)**

All previous EDI courses. Capstone of Educational Interpreting Program in which student demonstrates ability to meet core competencies by reflecting upon and integrating what student has learned in program. Also projects student's professional development.

**EDI 280 - Internship: Educational Interpreting (1)**

Focuses on aspects of interpretation of ASL to English/English to ASL through assignment of mentor to foster fluency and application of self-analysis/transcription skills for self-monitoring effectiveness as educational interpreter.

Prerequisite: (EDI 131 and EDI 132 and EDI 231 and EDI 232 with a minimum grade of D-). Repeatable Status: Course is repeatable with a maximum of 2 credit hours.

**EDI 313 - Professional Renewal (1-3)**

Update skills and knowledge of professionals in the discipline. Goals and objectives will be specifically directed at individual professional enhancement rather than the acquisition of general discipline knowledge or methodologies. S/U or letter graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**EDNL - Education - New Literacies**

College of Education and Behavioral Sciences

*School of Teacher Education*

**EDNL 321 - Literacy in the Digital Age (3)**

This course provides a foundation to digital and multimodal literacy practices. Candidates will gain an understanding of theories, currently practiced integration models, digital citizenship and evaluate digital tools and applications.

Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Sophomore and Junior and Senior.

**EDNL 322 - Digital Literacy and Multimodal Texts (3)**

This course is designed to provide teacher candidates with resources and strategies to read, critically analyze and teach multimodal and digital texts within the context of 21st century pedagogy.

Prerequisite: EDNL 321 with a minimum grade of D-. Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Sophomore and Junior and Senior.

**EDNL 423 - Multimodal Design: Language Arts (3)**

In this course teacher candidates will engage in digital writing workshops that facilitate crafting multimodal texts, planning for and evaluating digital writing, and understanding issues related to copyright, fair use, and creative commons.

Prerequisite: (EDEL 220 and EDNL 321 with a minimum grade of D-). Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior.

**EDNL 424 - Multimodal Design: Literacy, Invention and Learning (3)**

Through this course, teacher candidates will learn concepts of design, invention and play through the integration of literacy across content areas. Candidates will engage in inquiry and exploration of problem and career-based learning.

Prerequisite: (EDEL 220 and EDNL 321 with a minimum grade of D-). Major/Minor Restriction: Include Elementary Education Major(s). Class Restriction: Include Junior and Senior.

**EDRD - Reading**

College of Education and Behavioral Sciences

*School of Teacher Education*

**EDRD 408 - Reading/Literacy Workshop (1)**

This seminar/workshop course will address various special interest topics relating to literacy education. Topics will include: literacy research, current trends in education policy, literacy instruction, and literacy leadership. S/U graded.

Major/Minor Restriction: Include Reading Major(s)/Minor(s). Repeatable Status: Course is repeatable with a maximum of 8 credit hours.

**EDRD 410 - Achieving Effective Instruction in Developmental Reading (3)**

Teaching/learning strategies, reading materials, selection, lesson planning and organizing for instruction in reading across the total curriculum constitute the focus of the course.

Prerequisite: GPA-2.75.

**EDRD 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**EDSE - Special Education**

College of Education and Behavioral Sciences

*School of Special Education (p. 79)*

**EDSE 130 - Student Teaching Application (0)**

Submit to SPED Office in one package: Application Checklist, PLACE or PRAXIS exam results, an unofficial transcript copy with EDFE 120 and EDSE 130 highlighted, and Major Content Approval Form. Subject to approval by Major Content Advisor. S/U graded.

Prerequisite: (EDFE 120 with a minimum grade of S or (Completion of Applic for Full Adm to PTEP and Passed Required Praxis)).

**EDSE 170 - Introduction to Field Based Experience (1-3)**

Supervised teacher apprenticeship experiences (assessing, planning, teaching students with special needs in collaboration with families, education professionals, and community members). School placements may be public or private, K-12.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Repeatable Status: Course is repeatable with no limitations.

**EDSE 201 - Culture of Special Education (3)**

Introduction to special education, including: historical and legal perspective, characteristics of individuals with exceptionalities, issues related to identification and services, role of professionals in special and general education.

**EDSE 203 - The Individualized Education Program and the Collaborative Process (3)**

Addresses the development of the Individual Education Program through effective collaboration and consultation, including pre-referral through implementations, individualized planning, and student and family involvement.

Prerequisite: Concurrent Prerequisite EDSE 201 with a minimum grade of D-.

**EDSE 270 - Field-Based Experience (3)**

To become familiar with special education bachelor degree program requirements; introduced to teaching as a profession and the roles and responsibilities of special educators; school placements may be public or private, K-12; required classroom observations and seminars.

Prerequisite: Completion of Applic for Initial Adm to PTEP.

**EDSE 271 - Field-Based Experience Seminar (2)**

To become familiar with special education bachelor degree program requirements; introduced to teaching as a profession and the roles and responsibilities of special educators; required seminars.

Prerequisite: (GPA-2.75) and (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP).

**EDSE 308 - Workshop in Special Education (1-3)**

For beginning teachers and clinicians. Topics will include observation, techniques, programming, community relations, child development as related to exceptional children and evaluation for placement.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**EDSE 320 - Assessment in Special Education (3)**

Explore issues in assessment related to exceptional children. Emphasis placed on principles, purposes and processes of assessment related to programming in special education.

Course Fee: Assessment Fee Required.

**EDSE 321 - Advanced Assessment in Special Education (3)**

Applied experience in the administration and interpretation of formal and informal achievement tests used with exceptional individuals.

Prerequisite: (EDSE 320 and Concurrent Prerequisite EDSE 326 and Concurrent Prerequisite EDSE 443 with a minimum grade of D-) and (Concurrent Prerequisite EDSE 328 or Concurrent Prerequisite EDSE 329 with a minimum grade of D-). Corequisite: EDSE 326 and EDSE 443. Major/Minor Restriction: Include Special Education Major(s). Course Fee: Assessment Fee Required.

**EDSE 322 - K-12 Methods in Special Education (3)**

Instructional and methodological issues in the education of students with exceptionalities. Emphasis is on academic content areas across the curriculum and the development of positive learning environments.

Prerequisite: (EDSE 201 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 325 - Behavioral Dimensions of Students with Exceptionalities I (3)**

This course addresses behavioral theories and their application in creating effective environments and in assessing and managing classroom behavior.

**EDSE 326 - Behavioral Dimensions of Students with Exceptionalities II (3)**

Learners will apply the principles of classroom management, assess student behavior, and develop individualized behavior plans that promote positive affective/social/academic growth.

Prerequisite: (Concurrent Prerequisite EDSE 328 or Concurrent Prerequisite EDSE 329 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and ((EDSE 201 and EDSE 320 and Concurrent Prerequisite EDSE 321 and EDSE 325 and Concurrent Prerequisite EDSE 443 with a minimum grade of D-)). Corequisite: EDSE 321 and EDSE 443. Course Fee: Assessment Fee Required.

**EDSE 327 - Methods for Teaching Mathematics: Students with Special Needs (3)**

Instructional and methodological issues in the education of students with exceptionalities, emphasizing academic content across the curriculum and in the development of positive learning environments.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (Concurrent Prerequisite EDSE 328 or Concurrent Prerequisite EDSE 329 with a minimum grade of D-) and (EDSE 201 and Concurrent Prerequisite EDSE 322 and Concurrent Prerequisite EDSE 442 and MATH 182 with a minimum grade of D-). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 328 - Field Experience in Special Education: Elementary (3)**

Supervised practicum in assessing, planning, and teaching students with exceptional learning needs in collaboration with families, education professionals, and community members. One hundred thirty (130) hours of field experiences required.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and ((Concurrent Prerequisite EDSE 321 and Concurrent Prerequisite EDSE 326 and Concurrent Prerequisite EDSE 443 with a minimum grade of D-) or (Concurrent Prerequisite EDSE 322 and Concurrent Prerequisite EDSE 327 and Concurrent Prerequisite EDSE 442 with a minimum grade of D-)) and (EDSE 201 and EDSE 203 and EDSE 270 with a minimum grade of D-). Major/Minor Restriction: Include Special Education Major(s). Course Fee: Supervision Fee Required.

**EDSE 329 - Field Experience in Special Education: Secondary (3)**

Supervised practicum in assessing, planning, and teaching students with exceptional learning needs in collaboration with families, education professionals, and community members. One hundred thirty (130) hours of field experiences required.

Prerequisite: (EDSE 270 or EDSE 201 or EDSE 203 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and ((Concurrent Prerequisite EDSE 321 and Concurrent Prerequisite EDSE 326 and Concurrent Prerequisite EDSE 443 with a minimum grade of D-) or (Concurrent Prerequisite EDSE 322 and Concurrent Prerequisite EDSE 327 and Concurrent Prerequisite EDSE 442 with a minimum grade of D-)). Major/Minor Restriction: Include Special Education Major(s). Course Fee: Supervision Fee Required.

**EDSE 331 - Typical and Atypical Development of Young Children (3)**

The course explores typical and atypical patterns of early child development, birth to eight years; biological, cultural, and environmental influences; and implications for appropriate practice in early childhood special education.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Class Restriction: Include Sophomore and Junior and Senior.

**EDSE 332 - Appropriate Assessment in Early Childhood Special Education (3)**

Formal and informal assessment procedures for children with or at-risk for disabilities, birth to eight years. Emphasis on cross-disciplinary approaches, matching assessment to purposes, and linked assessment/planning systems.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (EDSE 201 with a minimum grade of D-). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 333 - Evidence-based Practices for Preschool Learners, 3-5 Years (3)**

Recommended practices for inclusive education of children ages 3 to 5 with and at risk for disabilities. Emphasis on developmentally appropriate, individually responsive, cross-disciplinary, and evidence-based strategies across developmental domains.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (EDSE 201 and EDSE 203 with a minimum grade of D-). Program Restrictions: Include SpecEd:Early Child SpecEd-BA.

**EDSE 334 - Evidence-based Practices for Young Learners, 5 to 8 Years (3)**

Recommended practices for inclusive education of children, 5 to 8 years, with and at-risk for disabilities. Emphasis on developmentally appropriate, individually responsive, cross-disciplinary, and evidence-based practices across developmental domains.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (EDSE 431 with a minimum grade of D-). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 360 - Adaptation, Modification, and Integration of Curriculum for the Secondary Exceptional Learner (3)**

Provides secondary classroom teacher information about special education, exceptional learners, and operational components in Special Education, and techniques for integration of special needs students including modification, adaptation, and specialized resources.

Prerequisite: GPA-2.5.

**EDSE 370 - Advanced Field-Based Experience (1-3)**

Advanced supervised teacher apprenticeship experiences (assessing, planning, teaching students with special needs in collaboration with families, education professionals, and community members). School placements may be public or private, K-12.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP) and (EDSE 170 with a minimum grade of D-). Repeatable Status: Course is repeatable with no limitations.

**EDSE 371 - Action Research Project (1)**

Students plan, develop, and evaluate a classroom action research project in consultation with the course instructor. School placements may be public or private, kindergarten through high school. The purpose of this course is to coordinate theory with practice.

Prerequisite: (GPA-3.0) and (EDSE 170 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (Concurrent Prerequisite EDSE 370 with a minimum grade of D-). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 411 - Assessments to Support the Struggling Reader (3)**

This course introduces students to reading assessments that enable teachers to select appropriate instructional methods/materials. Students will become familiar with various reading assessments and common profiles of struggling readers.

Offered: Generally offered Fall and/or Spring Annually.  
Major/Minor Restriction: Include Special Education Major(s)/Minor(s).

**EDSE 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**EDSE 429 - Adaptations for Learners with Exceptionalities in the Elementary Classroom (3)**

This course is designed to provide licensure candidates with information about students with disabilities, and other unique needs. This will include current research and practices related to issues in the field of special education such as Multi-Tiered System of Supports (MTSS), Response to Intervention (RtI), Positive Behavioral Interventions and Supports (PBIS), and Universal Design for Learning (UDL). This course will help students identify and adapt instruction for students with a wide range of disabilities and differences.

Major/Minor Restriction: Include Special Education (and) Elementary Education Major(s)/Minor(s).

**EDSE 430 - Exceptional Student in the Elementary Classroom (2)**

Provide elementary level licensure candidates current research/practices related to students with exceptionalities. Identify/adapt instruction for students with a wide range of disabilities. Field experience will be used extensively.

Prerequisite: (GPA-2.75) and (EDFE 120 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP).

**EDSE 431 - Introduction to Early Childhood Special Education (3)**

Current research and practices related to issues in the field of early childhood special education in inclusionary and naturalistic settings. Information about young learners with exceptionalities, birth to age 8.

Prerequisite: GPA-2.75.

**EDSE 432 - Evidence-based Practices for Infants and Toddlers, Birth to 3 Years (3)**

Recommended practices for early intervention with infants and toddlers with and at-risk for disabilities, birth to 3 years. Emphasis on developmentally appropriate, individually responsive, cross-disciplinary, and evidence-based practices.

Prerequisite: (EDSE 431 with a minimum grade of D-) and (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 433 - Exceptional Students in the Regular Classroom (2)**

Required of students majoring in Fine Arts, Physical Education, Music Education and Vocational Education. Provides information on handicapped and gifted students, identification procedures and teaching techniques.

Prerequisite: GPA-2.5.

**EDSE 434 - Collaborative Practice with Families and Professionals (3)**

This course examines principles of collaborative practice in working with families and professionals within early childhood special education contexts.

Major/Minor Restriction: Include Special Education Major(s).

**EDSE 435 - Young Children with Significant Support Needs (3)**

This course provides strategies for working with young children ages birth to 8 years who have complex learning and behavioral needs due to environmental and/or biological conditions.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 436 - Field Experience in Early Childhood Special Education: Birth to 3 Years (3)**

Supervised apprenticeship in assessing and planning learning environments and implementing activities for infants and toddlers with exceptional learning needs in collaboration with families, education professionals, and community members.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Major/Minor Restriction: Include Special Education Major(s).

**EDSE 437 - Field Experience in Early Childhood Special Education: 3-8 Years (3)**

Supervised apprenticeship in assessing and planning learning environments and implementing activities for children with exceptional learning needs 3- 8 years in collaboration with families, education professionals, and community members.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP).  
Major/Minor Restriction: Include Special Education Major(s).

**EDSE 438 - Student Teaching in Early Childhood Special Education (9 - 12)**

Supervised student teaching in assessing, planning, and implementing learning environments for children, birth to eight years.

Prerequisite: (GPA-3.0) and (Completion of Application for Student Tching or EDSE 130 with a minimum grade of S). Major/Minor Restriction: Include Special Education Major(s). Course Fee: Supervision Fee Required.

**EDSE 442 - Language and Literacy for Students with Severe Delays (3)**

Exploration of lifespan relationships between significant oral language delays, home/school dialectical mismatches, or language differences and the acquisition of literacy in both its oral and written dimensions.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (Concurrent Prerequisite EDSE 328 or Concurrent Prerequisite EDSE 329 with a minimum grade of D-) and (CSD 266 and EDEL 360 and EDSE 201 and EDSE 320 and Concurrent Prerequisite EDSE 322 and Concurrent Prerequisite EDSE 327 with a minimum grade of D-).  
Offered: Generally offered Fall and/or Spring Annually.  
Course Fee: Assessment Fee Required.

**EDSE 443 - Support Systems in Special Education (3)**

Students will acquire skills in case management, facilitating support processes, and delivering direct support within general education settings for students receiving special education services.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (EDSE 201 and EDSE 203 and Concurrent Prerequisite EDSE 321 and Concurrent Prerequisite EDSE 326 with a minimum grade of D-) and (Concurrent Prerequisite EDSE 328 or Concurrent Prerequisite EDSE 329 with a minimum grade of D-). Course Fee: Assessment Fee Required.

**EDSE 444 - Student Teaching in Special Education (1 - 15)**

Supervised practicum in assessing, planning, and teaching students with exceptional learning needs in collaboration with families, education professionals, and community members.

Prerequisite: (Completion of Application for Student Tching) and (Passed Required Praxis). Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Supervision Fee Required.

**EDSE 460 - Culturally and Linguistically Diverse Students with Disabilities (3)**

Explores language and cultural variables that influence instruction and assessment practices for students with disabilities who come from culturally and linguistically diverse backgrounds.

Prerequisite: EDSE 201 with a minimum grade of D-.

**EED - English Education**

College of Humanities and Social Sciences

*Department of English (p. 84)*

**EED 308 - Foundations of Teaching English Language Arts: Learners and the Learning Environment (3)**

Addresses methods for approaching teaching and learning in English/Language Arts classrooms with a focus on learner-centered pedagogies. (Offered spring semester only)

Prerequisite: ENG 225 with a minimum grade of D-.  
Corequisite: STEP 161.

**EED 318 - Pedagogy and Practices in Social Emotional Learning (3)**

Examines theories, current research on, and practical applications for embedding social and emotional learning competencies into discipline-specific content and provides pedagogies to support diverse student needs in the secondary classroom.

Prerequisite: (GPA-3.0) and (EED 308 with a minimum grade of D- and STEP 161 with a minimum grade of S).  
Program Restrictions: Include English:Secondary-BA and English Sec Ed:CLD-BA and English Sec Ed:Eng Lang Lit-BA and English Sec Ed:SPED-BA. Class Restriction: Include Sophomore and Junior and Senior.

**EED 342 - Methods and Materials for Teaching Language and Composition in the Elementary School (3)**

Content covers the writing process, writing-to-learn, and language and writing development at the elementary level.

**EED 402 - Methods of Teaching English Language Arts II: Enacting Pedagogy (3)**

Addresses the diverse nature of the 21st century classroom and evolving language and literacy pedagogies designed to meet the needs of contemporary learners. (Offered fall semester only)

Prerequisite: EED 341 with a minimum grade of D-.  
Corequisite: STEP 363.

**EED 441 - Methods of Teaching English Language Arts I: Literacy Pedagogies (3)**

Explores the underlying principles, theories, and methods associated with the teaching of English language arts in the secondary classroom.

Prerequisite: (EED 308 and EED 318 with a minimum grade of B). Offered: Generally offered Spring Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: EED 441 and EED 541. Program Restrictions: Include English:Secondary-BA and English Sec Ed:CLD-BA and English Sec Ed:Eng Lang Lit-BA and English Sec Ed:SPED-BA.

**ELIT - Literacy Education**

College of Education and Behavioral Sciences

*School of Teacher Education*

**ELIT 290 - Survey of Culturally Diverse Literature for Children (3)**

Survey of culturally diverse children's literature with an emphasis on selection, enjoyment, and critical analysis of picturebooks and chapter books. Course participants will develop knowledge of genres and historical trends of social, political and economic issues pertaining to culturally diverse literature. Various reading strategies necessary for reading texts critically and effectively that nurture examinations of power and privilege will be addressed.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAMS-Multicultural Studies.

**ENG - English**

College of Humanities and Social Sciences

*Department of English (p. 84)*

Before students register for ENG 122, they are strongly encouraged to take the First-Year Composition Directed Self-Placement Survey. Student DSP scores will determine whether they are advised to take:

- ENG 122: College Composition (3 credit hours, LAW1-Introductory Writing course, GtP CO-1), or
- ENG 122: College Composition (3 credit hours, LAW1-Introductory Writing course, GtP CO-1) with

ENG 132: Composition Enrichment (1 credit hour, corequisite support)

For additional information about Writing Program Placement or about the DSP, please contact the Writing Program Administrator, wpa@unco.edu

**ENG 122 - College Composition (3)**

Extensive practice in writing clear and effective academic prose with special attention to purpose, audience, organization, and style. Instruction in critical analysis and revision.

Course Attribute: LAW1-Introductory Written Comm and GT Intro to Writing.

**ENG 123 - College Research Paper (3)**

Instruction in diction, style, logical analysis, research techniques and organization of college level research papers.

Prerequisite: (ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34). Course Attribute: LAW2-Intermediate Written Comm and GT Intermediate Composition.

**ENG 131 - Introduction to Literature (3)**

The study of selected poetry, plays and works of fiction with an emphasis on developing skills in analysis, interpretation and critical thinking.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

**ENG 132 - College Composition Enrichment (1)**

This one-hour composition enrichment course provides supplemental academic instruction with an emphasis on the relationship of reading and grammar to writing. Students who have scored below 18 on ACT in English, below 470 on SAT in English, and/or have below a 2.75 cumulative high school GPA are encouraged to enroll in this course.

Corequisite: ENG 122.

**ENG 195 - Introduction to the Discipline of English (3)**

Study of a specific topic designed to train students in the writing and research skills integral to the discipline of English.

Prerequisite: (ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.



**ENG 200 - Introduction to Creative Writing (3)**

An introduction to the reading and writing of creative nonfiction, fiction, poetry, and drama.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ENG 203 - Creative Writing: Nonfiction (3)**

An introduction to the reading and writing of creative nonfiction, with a focus on different forms. Includes intensive study of examples of creative nonfiction.

Prerequisite: (ENG 122 with a minimum grade of D- or ACT English with a minimum score of 30 or SAT Verbal with a minimum score of 630 or SAT Reading Test with a minimum score of 34).

**ENG 204 - Children's Literature (3)**

Focus on literature by and/or about children.

**ENG 205 - World Folklore and Fairy Tales (3)**

The study of tales, legends and other lore passed on orally or by customary example in groups bound by common background or experience. Subtitle may indicate specific group or groups.

Offered: Generally offered Fall and/or Spring Annually.  
Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature and Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 206 - Regional Mythologies (3)**

The study of different perspectives used to approach regional mythologies with an emphasis on specific cultural implications, universal themes, moral dimensions and ethical consequences that emerge from the narratives.

Offered: Generally offered Fall and/or Spring Annually.  
Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**ENG 207 - Native American Literature (3)**

Introduce themes and ideas in Indigenous North American literature by studying representative works from authors of one or more Indigenous ethnicities.

Special Notes: ENG 207 cannot be retaken for credit if ENG 236 "AH2-Native Amer Literature" title was taken in Spring 2021, Fall 2021 and Spring 2022.

Offered: Generally offered Fall and/or Spring Annually.  
Mutually Exclusive Course: Credit allowed for only one of these courses: ENG 207 and ENG 236. Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAMS-Multicultural Studies and GT Literature.

**ENG 211 - Survey of American Literature (3)**

Study of American Literature from its beginning to the present. Emphasizes the cultural, historical appreciation of selected representative works and contribution of the literature to contemporary life and thought.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

**ENG 213 - Survey of British Literature I (3)**

Chronological survey of English literature from the Anglo-Saxon period through the 18th century. This literature will be considered from various perspectives, but with constant attention to its historical context.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

**ENG 216 - Grammar and Style (3)**

This course introduces students to language strategies that will allow them to recognize and use a variety of grammatical and stylistic choices, and to understand the rhetorical effects of those choices on their readers.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering.

**ENG 217 - Studies in Young Adult Literature (3)**

This course explores literature written for and about young adults (approx. ages 12-18), including concentration on a particular writer, a theme, or a historical study of the genre, with an emphasis on global diversity and multiculturalism.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**ENG 218 - Introduction to Linguistics (3)**

This course introduces English linguistics (phonetics, phonology, morphology, syntax, semantics, language acquisition) with an emphasis on application to young English language learners.

**ENG 219 - Language and Society (3)**

An examination of the interaction of language with society and the individual, including how language establishes power, gender, and social identity.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 220 - Writing, Transformation, and Change (3)**

Study of the fundamentals and practice of rhetoric and writing. Topics include orality and literacy, writing genres, language play, and writing in a post-factual world.

Prerequisite: (ENG 122 with a minimum grade of D- or ACT English with a minimum score of 30 or SAT Verbal with a minimum score of 630 or SAT Reading Test with a minimum score of 34).

**ENG 225 - Communications on a Theme (3)**

Topics for writing chosen from ideas of historical influence and/or contemporary problems.

Prerequisite: (ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34). Course Attribute: LAW2-Intermediate Written Comm and GT Intermediate Composition and Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 2 times.

**ENG 227 - Technical Writing (3)**

Analysis of sentence structure, order of presentation and use of illustration in writing essential for the technician, engineer, scientist, with emphasis on arranging and stating information clearly.

Prerequisite: (ENG 122 with a minimum grade of D- or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34).

**ENG 229 - Professional Writing and Digital Video (3)**

This course develops proficiency with digital video production. It is designed as an introductory course to filmmaking, rhetorical theory, and visual rhetoric and design principles.

Prerequisite: ENG 122 with a minimum grade of D-.

**ENG 230 - Introduction to Comics and Graphic Novels (3)**

An introduction to comics and the graphic novel in the United States. Emphasis on visual form, narrative structure, and the impact of new social movements on content.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ENG 231 - Analyzing Video Games (3)**

This introductory course explores the aesthetics of video games, their representations of race, gender, and sexuality, and their increasingly complex moral and ethical decision-making scenarios.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**ENG 232 - Multicultural Speculative Fiction (3)**

Different approaches to the literature of wonder, including concentration on a particular writer, a theme such as women in science fiction, or a historical study of the genre, with an emphasis on multiculturalism.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAMS-Multicultural Studies and GT Literature.

**ENG 236 - Ethnic American Literature (3)**

Introduce themes and ideas in ethnic American literature by studying representative authors of one or more U.S. ethnicities.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAMS-Multicultural Studies and GT Literature and Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**ENG 242 - Creative Writing-Fiction (3)**

An introduction to the mechanisms of fiction, with a focus on style and voice. Includes intensive study of contemporary short fiction written in English.

**ENG 243 - Creative Writing: Screenwriting (3)**

An introduction to screenwriting for film and television. Students will study oral and written pitches, formal treatments, and screenplay structure and format.

Prerequisite: (ENG 122 with a minimum grade of D- or ACT English with a minimum score of 30 or SAT Verbal with a minimum score of 630 or SAT Reading Test with a minimum score of 34).

**ENG 244 - Creative Writing: Poetry (3)**

An introduction to the reading and writing of poetry, with a focus on different poetic forms. Includes intensive study of contemporary poetry in English.

Prerequisite: (ENG 122 with a minimum grade of D- or ACT English with a minimum score of 30 or SAT Verbal with a minimum score of 630 or SAT Reading Test with a minimum score of 34).

**ENG 250 - Introduction to Shakespeare (3)**

An introduction to Shakespeare's works for non-majors, including poetry, history, comedy, tragedy, and romance. Includes analyses of selected theatrical productions and film adaptations.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

**ENG 262 - Masterpieces of World Literature (3)**

Focusing on works of global literature, this course explores the varied artistic modes in and through which writers have situated themselves in the world, allowing us to understand the roots of today's interconnected global cultures.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature and Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**ENG 263 - Western World Literature I (3)**

Study of the early literature of Europe and the Americas in translation. Emphasizes the cultural, historical, and formal appreciation of selected representative works and contribution of the literature to contemporary life and thought.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**ENG 264 - Western World Literature II (3)**

Study of the modern literature of Europe and the Americas in translation. Emphasizes the cultural, historical, and formal appreciation of selected representative works and contribution of the literature to contemporary life and thought.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**ENG 295 - Approaches to Literary and Cultural Analysis (3)**

An in-depth examination of a specific concept or practice in literary and cultural studies. Topics may include "Intertextuality," "Voice," "Social class and social capital," "Allegory."

Prerequisite: ENG 195 with a minimum grade of D-. Course Attribute: Variable Title Course.

**ENG 301 - Writing as a Job (3)**

Course exposes students to generic knowledge, technologies, and skills needed for professional/technical writers. Units include grant/proposal writing, usability testing, user manuals, and resumes.

Prerequisite: (ENG 123 or ENG 225 with a minimum grade of D-). Course Attribute: Community Engaged Learning.

**ENG 302 - Cultures, Community & Civic Advocacy (3)**

Emphasizes communication practices of advocacy groups and nonprofit organizations with an orientation toward culture and its influence on community-engaged writing; focus on relations among power, cultures, communities, and rhetorical action.

Offered: Generally offered Fall and/or Spring Annually.

**ENG 303 - Intermediate Creative Writing: Nonfiction (3)**

An intermediate creative nonfiction course. Emphasis on reading and writing personal essays that could be submitted for publication.

Prerequisite: ENG 203 with a minimum grade of D-.

**ENG 318 - The Structure of Modern English (3)**

A systematic study of the structure of the English language and relevant linguistic concepts, with special focus on morphology (word structure) and syntax (the patterns constitutive of phrases and sentences).

**ENG 319 - Writing and Rhetorical Theory (3)**

This advanced writing course is designed to help students study and employ rhetorical concepts that will enable them to write persuasively in a variety of contexts.

Prerequisite: (Completion of LC1b-Intermediate Composition course or Completion of LAW2-Intermediate Written Comm course) and (ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34).

**ENG 320 - History of the English Language (3)**

Students will study the history of English from its origins as a Germanic and Indo-European language to the present, with special focus on historical development of modern English varieties.

**ENG 323 - Advanced Argument (3)**

Instruction in advanced analysis and production of upper-level college arguments, including extended application of rhetorical and discourse theory. This course emphasizes revision and reflective writing.

Prerequisite: (ENG 123 or ENG 225 with a minimum grade of D- or Completion of GT Intermediate Composition Course). Course Attribute: LAW3-Advanced Written Comm and GT Advanced Composition.

**ENG 325 - Studies in Fantasy and Science Fiction (3)**

Different approaches to the literature of wonder, including concentration on a particular writer, a theme such as women in science fiction, or a historical study of the genre.

**ENG 327 - Editing for Print Publication (3)**

Course introduces students to the combination of knowledge, practice, and skills needed to edit professional, peer, and their own writing for print publication.

Prerequisite: (ENG 122 with a minimum grade of D- or ACT English with a minimum score of 30 or SAT Verbal with a minimum score of 630 or SAT Reading Test with a minimum score of 34). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering.

**ENG 328 - Professional Writing and Document Design (3)**

This course introduces professional genres and technologies. Students compose a green paper, documentation, and a usability report. Technologies include Adobe InDesign and Photoshop. The class requires no previous technology experience.

**ENG 342 - Intermediate Creative Writing: Fiction (3)**

An intermediate workshop course focusing on short fiction. Emphasis on the analysis of the short story form and how it works.

Prerequisite: ENG 242 with a minimum grade of D-.

**ENG 343 - Intermediate Creative Writing: Screenwriting (3)**

Intermediate study of the screenplay's elements, including premise, plot, subplot, theme, conflict, character, dialogue, and transitions. Students will learn the correct format for a professional screenplay.

Prerequisite: ENG 243 with a minimum grade of D-.

**ENG 344 - Intermediate Creative Writing: Poetry (3)**

An intermediate workshop course focusing on poetry. Emphasis on the analysis of and experimentation with poetic form, and different voices.

Prerequisite: ENG 244 with a minimum grade of D-.

**ENG 345 - Literary Theory and Criticism (3)**

This course introduces students to major issues and movements in literary theory and criticism, such as structuralism, post-structuralism, psychoanalysis, Marxism, theories of gender and sexuality, and post-colonial theory.

Prerequisite: ENG 295 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring Annually.

**ENG 370 - Colonial American Literature, 1492-1800 (3)**

This course provides a survey of early American literature from the age of exploration through the American Revolution.

Prerequisite: ENG 195 with a minimum grade of D-.

**ENG 371 - Antebellum American Literature, 1800-1865 (3)**

This course examines major movements in literature and culture in the decades leading up to the Civil War. Major authors will include Irving, Emerson, Thoreau, Fuller, Douglass, Whitman, and Dickinson.

Prerequisite: ENG 195 with a minimum grade of D-.

**ENG 372 - American Realism and the Making of America (3)**

This course examines major movements in literature and culture in the decades between 1865 and 1900 focusing on American realism and the making of America.

Prerequisite: ENG 195 with a minimum grade of D-.

**ENG 373 - American Modernism and the Crisis of Representation (3)**

A study of Modernism and Postmodernism in twentieth-century American literature, with particular emphasis on innovations in literary form.

Prerequisite: ENG 195 with a minimum grade of D-.

**ENG 374 - American Diaspora and Globalization (3)**

This course provides a survey of late nineteenth through early twenty-first century American literature focusing on the themes of globalization and diaspora.

Prerequisite: ENG 195 with a minimum grade of D-.

**ENG 375 - Literature and the Environment (3)**

Explore human relationships with nature writing from various periods and cultures. Economic, scientific, philosophic and religious attitudes emerge from attitudes about nature. Do these influence human treatment of natural things?

Mutually Exclusive Course: Credit allowed for only one of these courses: ENG 375 and ENST 375.

**ENG 376 - Multiethnic Literatures of the Americas (3)**

Multiethnic Literatures of the Americas is a variable titled course that focuses on literature written by and about a specific ethnic population in the Americas. Students will examine literature as cultural archive, socio-cultural critique, and cultural reflection.

Prerequisite: ENG 195 with a minimum grade of D-. Course Attribute: Variable Title Course.

**ENG 380 - Medieval Literature (3)**

This course is designed to introduce students to the literature and language of the Middle English period through a historical approach in order to develop a more sophisticated understanding of the distinction and relationship between text and context.

Prerequisite: ENG 195 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 381 - Renaissance Literature (3)**

Discuss significant literary movements, genres, and themes of Tudor and Stuart England. Possible themes include: "Renaissance epic from Spenser to Milton" and "Sex, money, and gender in early modern England."

Prerequisite: ENG 195 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 382 - Restoration and Eighteenth-Century Literature (3)**

This course explores the ways in which eighteenth century literature engaged with and reflected on Britain's emergence as a leading colonial and mercantilist power, the New Sciences, party politics, and notions of the modern self, among many other related topics.

Prerequisite: ENG 195 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 383 - Romanticism (3)**

This course will explore topics related to Romantic-era literature and culture in Britain from roughly the period 1798-1832.

Prerequisite: ENG 195 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 384 - Victorian Literature and Culture (3)**

This course will explore topics related to Victorian-era literature and culture in Britain from roughly the period 1832-1901.

Prerequisite: ENG 195 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 385 - Twentieth-Century and Contemporary Literature (3)**

Study of British fiction, poetry, non-fiction, and A/V texts from WWI to present. Emphasis on social, cultural, and political contexts that shape literary movements and production. Authors may include Shaw, Joyce, Yeats, Kazuo Ishiguro, China Mieville, and Zadie Smith.

Prerequisite: ENG 195 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 395 - Studies in Literature, Theory and Writing (3)**

Focus on a critical, rhetorical, or literary problem or theme.

Prerequisite: (ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34) and (Completion of LC1b-Intermediate Composition course or Completion of LAW2-Intermediate Written Comm course). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**ENG 400 - Special Topics in Literary and Cultural Theory (3)**

This course allows students to explore a specific problematic in literary theory and criticism, drawing from more than one theoretical movement, such as structuralism, post-structuralism, psychoanalysis, Marxism, theories of gender and sexuality, and post-colonial theory. May or may not involve reading literary texts.

Prerequisite: ENG 345 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 419 - English Linguistics (3)**

A survey of general linguistics as applied to the history of the English language. Includes vocabulary and dictionary study, regional and social dialects, semantics and pragmatics, childhood acquisition of language.

**ENG 420 - Special Topics in Creative and Professional Writing (3)**

Writing-intensive explorations of key concepts or emerging scholarship in the fields of rhetoric, composition, professional writing, and/or creative writing.

Prerequisite: ENG 301 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**ENG 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**ENG 427 - Digital Editing (3)**

Content includes the history of scholarly editing, study of different editorial approaches and principles, and the construction of a digital scholarly edition.

Prerequisite: ENG 195 with a minimum grade of D-.

**ENG 429 - Digital Self-Publishing (3)**

This course reviews professional design software and expands knowledge of visual rhetoric and design. Students prepare for the job market by assembling a professional portfolio via a CMS site.

Prerequisite: ENG 229 with a minimum grade of D-.

**ENG 441 - Colloquium in Literature (3)**

Intensive focus on a critical and/or literary problem, discourse, theme, genre or individual author.

Prerequisite: (ENG 195 and ENG 345 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENG 492 - Writing Internship (1-3)**

One semester of work in public or private agencies, such as state government offices, non-profit organizations, publishing companies, newspapers, magazines, advertising agencies or related organizations. 135 hours across the semester for 3 credits. Pro-rated hours for 1 and 2 credit versions.

Prerequisite: (GPA-3.0) and (ENG 123 with a minimum grade of D-). Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

**ENG 495 - Advanced Cultural Studies (3)**

An intensive study of one particular cultural phenomenon from a variety of critical perspectives.

Prerequisite: ENG 345 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**ENST - Environmental Studies**

College of Humanities and Social Sciences

*Department of Geography, GIS, and Sustainability (p. 84)*

**ENST 100 - Introduction to Environmental Studies (3)**

Explore the nature of environmental problems and gain an overall understanding of the complexity of these problems.

Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**ENST 205 - Environment, Politics and Law (3)**

Analysis of the causes and proposed solutions of environmental problems and of environmental issues and their political resolution.

**ENST 209 - International Sustainable Development (3)**

Overview of the Sustainable Development focusing on its origins and meanings in both theory and practice. A geographic focus on countries in the Global South, exploring how sustainable development policies and programs have impacted levels of poverty and inequality, use of natural resources, as well as rural and urban livelihoods.

Prerequisite: ENST 100 with a minimum grade of D-.

**ENST 215 - Human Behavior and Environment (3)**

Examine interrelationships between human behavior and the environment. Review personal, social and structural dimensions of everyday life relating to the environment. Understand environmental problems and consider alternative behavior models.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 215 and SOC 215.

**ENST 225 - Energy and the Environment (3)**

Study past, present and future methods of energy production and limitations imposed by the laws of physics. Discuss applications to transportation, home and industry. Taught by the Physics department.

Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**ENST 235 - Chemistry and the Environment (3)**

Study the chemistry of natural waters, the atmosphere, and geosphere and the chemicals used for agriculture, industry, home, and energy production that pollute them.

Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**ENST 249 - Food, People, and Place (3)**

This course takes an interdisciplinary approach toward understanding modern and traditional agriculture, and the ways in which these agricultural forms both clash and coalesce.

Offered: Generally offered Fall Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 249 and GEOG 249.

**ENST 261 - Water Quality Management (3)**

Learn about the water cycle and how water moves through an environment. Students will build an understanding of how to identify pollutants within water and be able to assess different ways in which contaminants can be eliminated.

Prerequisite: Concurrent Prerequisite ENST 100 with a minimum grade of D-.

**ENST 265 - Conservation of Natural Resources (3)**

Learn the characteristics of the major natural resources and the scientific basis behind current resource use practices. The environmental consequences of their use and abuse will be emphasized.

**ENST 270 - Professional Development (3)**

Explore career options for geography and environmental studies majors and practice professional development skills.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 270 and GEOG 270.

**ENST 272 - Environmental Conflict Resolution (3)**

Explore the nature of environmental conflict and work toward understanding the range of processes and skills used to resolve them.

Prerequisite: Concurrent Prerequisite ENST 100 with a minimum grade of D-.

**ENST 283 - The Psychology of Sustainability (3)**

An introduction to the study of the psychological relationships that exists between humans and the environment. Students will learn what attitudes, values and ethics humans have in terms of the natural world.

**ENST 315 - Nature & Society (3)**

Analyze problems in nature-society relationships by exploring geographic theory surrounding environmental politics, surveying local and global actors in these conflicts, and addressing varied contemporary issues in resource management.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 315 and GEOG 315.

**ENST 320 - American Environmental Worldviews (3)**

An exploration and analysis of the historical development of perceptions and worldviews about the environment and the natural world using the United States as a case study.

**ENST 321 - NEPA - Environmental Planning and Compliance (3)**

This course examines principles, procedures, methods, and applications of environmental impact assessment. Specific emphasis is on the history and implementation of the NEPA in the USA with some discussion of international impact assessment.

Prerequisite: SCI 291 with a minimum grade of D-.  
Offered: Generally offered Fall Annually. Class Restriction: Include Sophomore and Junior and Senior.

**ENST 326 - Emerging Africa: Local Resources and Livelihoods in a Global Context (3)**

Identify and analyze relationships between the physical and cultural patterns, including land use, resource development, social, political and economic problems throughout the continent of Africa.

Offered: Generally offered Fall Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 326 and GEOG 326.

**ENST 331 - Anthropology and Contemporary Human Problems (3)**

Anthropological perspectives and methods are used to critically examine the assumptions and actions underlying social and environmental contemporary human problems as well as those involved in efforts to address them.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 331 and ANT 331.

**ENST 335 - Environmental and Resource Economics (3)**

Students will examine the strengths and weaknesses of economic theory in analyzing the seriousness of resource and environmental issues facing society.

Prerequisite: ECON 205 with a minimum grade of D-.  
Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 335 and ECON 335.

**ENST 345 - Environmental Geography: Earth at Risk (3)**

Examine selected environmental issues, including climate change, environmental degradation, and resource depletion, focusing on the physical processes underlying these problems and how human activities contribute to environmental problems.

Prerequisite: (GEOG 220 or GEOG 230 with a minimum grade of D-). Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 345 and GEOG 345.

**ENST 356 - Water Resource Economics (3)**

Examination of economic principles governing water planning, development and law. Discussion of supply and demand, quality and political issues. Relationship to Colorado and local situation.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 356 and ECON 356.

**ENST 360 - Environmental Justice (3)**

Examination of the unequal distribution of environmental risks and benefits across populations, the environmental justice movement, environmental policies and regulatory practices.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 360 and SOC 360.

**ENST 364 - Sustainability Leadership and Community Engagement (3)**

Provides an overview of collaborative community planning, presenting frameworks for leading engagement of local communities using a case study format and real local projects to apply an understanding of collaborative conservation for community building.

Offered: Generally offered Spring Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 364 and LEAD 364.

**ENST 373 - Qualitative Research Methods (3)**

This course introduces students to the skills of qualitative research methods, including designing a research question and project, alongside methods for collecting and analyzing qualitative data.

Prerequisite: ENST 100 with a minimum grade of D-. Offered: Generally offered Fall Annually.

**ENST 375 - Literature and the Environment (3)**

Explore human relationships with nature writing from various periods and cultures. Economic, scientific, philosophic and religious attitudes emerge from attitudes about nature. Do these influence human treatment of natural things?

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 375 and ENG 375.

**ENST 378 - Energy Policy and Economics (3)**

This course examines the dominant trends and challenges affecting energy systems and policy around the world, including the evolution and economics of fossil fuels, alternative energy technologies, and clean energy policies.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 378 and ECON 378.

**ENST 380 - Sustainable Geographies (3)**

Examine the sustainability of contemporary living patterns. Explore alternative approaches to meeting transportation, domestic power and heating, food production and waste disposal needs on the personal and community levels.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 380 and GEOG 380.

**ENST 382 - Sustainability and Capitalism (3)**

Use case studies to explore a general overview of commerce, economics, and business as it relates to the environment and human interactions.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 382 and ECON 382.

**ENST 385 - Art and the Environment (3)**

Investigate and participate in the process of art as it relates to the different environments of human existence.

**ENST 389 - Human Perception of the Built Environment (3)**

Exploration of human perception as it adapts to the built environment, including theories of environmental psychology.

Prerequisite: (ENST 100 or ENST 215 with a minimum grade of D-).

**ENST 391 - The Built Environment and Sustainability (3)**

Exploration of the built environment including the characteristics of sustainability in: site selection, recyclable and renewable resources, embodied energy, building materials, and indoor air quality.

Prerequisite: ENST 100 with a minimum grade of D-.



**ENST 411 - Adaptive Management for Natural Resources (3)**

Provides students with the skills and knowledge to design and implement effective adaptive management of conservation projects and to generate clear evidence of their progress toward achieving conservation results. This course applies the Open Standards for Conservation, a common structure in many conservation organizations.

Prerequisite: SCI 291 with a minimum grade of D-.  
Offered: Generally offered Fall Annually. Class  
Restriction: Include Junior and Senior.

**ENST 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**ENST 440 - Biogeography (3)**

Identify meaningful patterns in the distributions of plants and animals and explain how/ why those patterns developed. Includes an examination of the role humans have played in shaping those patterns.

Prerequisite: (ENST 100 or GEOG 220 or GEOG 230 with a minimum grade of D-). Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 440 and GEOG 440.

**ENST 444 - Global Climate Change (3)**

An examination of what causes climate to change across different time scales; how climate has changed in the past; how scientists use models, observations and theory to make predictions about future climate; and the consequences of climate change for our planet. One field trip required.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 444 and GEOG 444.

**ENST 460 - Sociology of Disasters (3)**

Determinants and consequences of behavior and response to environmental extremes, technological emergencies, and acts of mass violence.

Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 460 and SOC 460. Class Restriction: Include Junior and Senior.

**ENST 467 - Designing the World We Need (3)**

Ever wonder what you can do to address our environmental problems? This seminar course pulls together concepts and contexts from environmental justice, ecology, political science, economics, among others to examine how and what we can do to improve the world we live in.

Offered: Generally offered Fall and/or Spring Odd Years.

**ENST 490 - Capstone Proposal (2)**

Introduces the research process through identification and framing of a research proposal following accepted and standard protocols. Topics include hypothesis formulation and testing, designing a research project, and career preparedness.

Prerequisite: 84.0 credits required. Offered: Generally offered Fall Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 490 and GEOG 490. Program Restrictions: Include Environ/Sustain Studies-BA. Class Restriction: Include Junior and Senior.

**ENST 491 - Senior Capstone (2)**

Research selected environmental and geographic topics based on ENST/GEOG 490 Proposal. Course focuses on the assessment of students' environmental and geographic knowledge base, research and analysis skills.

Prerequisite: ENST 490 with a minimum grade of D-. Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 491 and GEOG 491. Program Restrictions: Include Environ/Sustain Studies-BA. Class Restriction: Include Senior.

**ENST 492 - Internship in Environmental Studies (1-4)**

Permission of Environmental Studies coordinator. Practical experience and training in areas related to the environment. Credit hours and nature of experience arranged individually.

Repeatable Status: Course is repeatable with a maximum of 15 credit hours.

**ENST 495 - Special Topics in Environmental Studies/Sustainability (1-3)**

Study for undergraduate and graduate students in various topics of sustainability.

Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

## ESCI - Earth Science

College of Natural and Health Sciences

*Department of Earth and Atmospheric Sciences (p. 97)*

### ESCI 101 - Earth's Climate System (4)

Introduction to Earth's climate system. Formation and characteristics of the atmosphere and oceans. Impact of climate change on severe weather, watersheds, groundwater and glaciers.

Course Attribute: LAS1-Natural &Physical Science and GT Natural & Phys Science.

### ESCI 150 - Our Violent Earth (3)

Examines the causes, effects, and options available to respond to and potentially mitigate the effects of natural disasters such as earthquakes, volcanic eruptions, tsunamis, landslides, severe weather, and floods. Differing impacts in developing and industrialized countries will be discussed.

Mutually Exclusive Course: Credit allowed for only one of these courses: ESCI 150 and GEOL 100 and GEOL 110 and MET 110. Course Attribute: LAS1-Natural &Physical Science and GT Natural & Phys Science.

### ESCI 200 - Introduction to Environmental Earth Science (4)

(3 lecture, 3 laboratory) An exploration of the complex changes in Earth's environment, the science behind these changes, and impacts on human populations requiring interdisciplinary strategies to solve problems.

Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

### ESCI 320 - Earth Materials (4)

(3 lecture, 3 laboratory) Investigation of rock and mineral chemistry, formation, identification, and significance to society. Focus on clay and analytical instrumentation. Field trip(s) required.

Prerequisite: GEOL 201 with a minimum grade of D-. Mutually Exclusive Course: Credit allowed for only one of these courses: ESCI 320 and GEOL 320. Course Fee: Differential Tuition Required and Course Fee Required.

### ESCI 330 - Earth Science Statistical Analysis (3)

(2 lecture, 3 laboratory) Course covers research methods, statistical analysis, manipulation and presentation of data. Multiple projects using and solving authentic Earth and Atmospheric Science data and research problems.

Prerequisite: (GEOL 201 or MET 205 or ESCI 200 with a minimum grade of D-). Course Fee: Differential Tuition Required.

### ESCI 349 - Earth Science Professional Seminar (1)

Preparation for graduate school or job market. Includes finding jobs, internships, and/or appropriate graduate schools; also cover letters, resumes, GRE preparation, phone and in-person interviews, and expectations. S/U graded.

Major/Minor Restriction: Include Earth Sciences Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required.

### ESCI 365 - Advanced Earth Science Concepts for Elementary Teachers (3)

(2 lecture, 2 laboratory) Students will expand their knowledge of Earth Science and learn methods for teaching earth science including integration of other subject areas.

Prerequisite: SCI 266 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

### ESCI 420 - Chemistry of the Earth System (4)

Distribution, characteristics, and interaction of elements and related ions in the Earth system with an overview of analytical techniques. Emphasis on geochemical cycles as related to use in human society.

Prerequisite: (CHEM 111 and CHEM 112 and GEOL 201 with a minimum grade of D-). Course Fee: Differential Tuition Required.

### ESCI 461 - Ecoclimatology (3)

Identify/describe how plants, animals, and ecological communities will respond to global change across different scales (temporal, spatial, etc.). Introduction to global climate models and using relevant climate and ecological data to predict future change.

Prerequisite: (BIO 111 or MET 205 with a minimum grade of D-). Offered: Generally offered Spring odd years. Mutually Exclusive Course: Credit allowed for only one of these courses: BIO 461 and ESCI 461. Course Fee: Differential Tuition Required.

### ESCI 472 - Industrial Safety (3)

Industrial safety covers the theory of historical occupational hazards, current safety issues, agencies that regulate workplace hazards, accident causation and prevention, and training needed for the workplace.

Prerequisite: (CHEM 111 and CHEM 111L with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**ESCI 474 - Principles of Surface and Groundwater Hydrology (4)**

(3 lecture, 3 laboratory) Students will quantify and model the movement of water within the hydrologic and geologic cycles, including surface and groundwater hydrologic processes. The course will consist of lectures, laboratories, field projects, and presentations. Two field trips are required.

Prerequisite: Concurrent Prerequisite MATH 127 with a minimum grade of D-. Offered: Generally offered Fall Odd Years. Course Fee: Differential Tuition Required and Participation Fee Required.

**ESCI 490 - Colloquium in Earth Sciences (1)**

Invited speakers, including faculty, graduate students, and undergraduates, present current earth science research topics in seminar format. Students also learn about STEM-based career paths and internship opportunities. S/U graded.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**ESCI 491 - Geoscience Field Issues (1-6)**

Analysis and investigation of contemporary issues and development of research skills in the field of earth sciences, atmospheric sciences, environmental sciences, or geosciences. The course may include extensive field work.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Supervision Fee Required.

**ESCI 492 - Earth Science Internship (1 - 15)**

Internship in a public agency or private firm to provide professional experience under the supervision of an area specialist. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 15 credit hours. Course Fee: Differential Tuition Required.

**ESCI 495 - Special Topics in Earth Science (1-3)**

This course explores advanced topics for qualified undergraduates in an area of Earth Science. S/U or letter graded.

Special Notes: Consent of instructor required

Offered: Generally offered Fall, Winter Interim, Spring, and/or Summer - Check with department/school for next offering. Major/Minor Restriction: Include Earth Sciences Major(s). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**ESCI 496 - Earth Science Study Abroad (1-6)**

Exploration of contemporary issues associated with natural hazards, resources and environmental change impacting society, culture, and diverse ecosystems at international sites. Research skill development in geology, meteorology, and environmental sciences.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**ESCI 497 - Undergraduate Research (1-4)**

Original research in the earth sciences conducted under the guidance of a faculty advisor. Results of the investigation are to be presented both in a written report and orally.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**ET - Educational Technology**

College of Education and Behavioral Sciences

*School of Teacher Education*

**ET 240 - Integration of Technology into Content and Pedagogy (3)**

Explore theories/frameworks that support integration of technology in teaching and learning. Apply practices to promote seamless integration of technology that adds significant value to students' learning of elementary curriculum.

Offered: Generally offered Fall and/or Spring Annually.

**ET 422 - Directed Study (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering.. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**ET 449 - Integrating Technologies into Secondary Education Pedagogy (3)**

Apply technology tools in teaching practices to promote technology integration that is seamless and adds significant value to students' learning of secondary curriculum. Investigate theoretical and practical issues and methods.

Offered: Generally offered Fall and/or Spring Annually.

## EUR - European Languages and Cultures

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

### EUR 416 - Public and Personal Revolutions (3)

This course examines expressions of dissent in literature against prevailing institutions and ideas, which has made "revolution" an integral concept in Western understanding of social progress.

Prerequisite: (FR 202 or GER 202 or SPAN 202 or WLC 295 with a minimum grade of D-). Offered: Generally offered Spring - Check with department/school for next offering.

### EUR 417 - The Individual in the System (3)

This course is devoted to examination and critique of the modern Western concept of the individual and its problematic relations with the continental European interest in a cohesive social order, as portrayed in literature and/or film.

Prerequisite: (FR 202 or GER 202 or SPAN 202 or WLC 295 with a minimum grade of D-). Offered: Generally offered Spring - Check with department/school for next offering.

### EUR 418 - The Western Mind (3)

Focused study of one intellectual school, problem, or other discourse tradition reflected in literature, which has contributed significantly to contemporary European perception and values.

Prerequisite: (FR 202 or GER 202 or SPAN 202 or FL 295 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

## FILM - Film

College of Humanities and Social Sciences

*Department of English (p. 84)*

### FILM 120 - Introduction to Film (3)

(3 lecture, 1 film screening) Learning to analyze film and appreciate film as art by looking at a variety of styles, genres, and ideological directions in Hollywood and non-Hollywood films.

Corequisite: FILM 121. Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

### FILM 121 - Screening For Film 120 (0)

Required once per week screening time to complement Film 120.

Corequisite: FILM 120.

### FILM 210 - History of Film I (3)

(3 lecture, 1 film screening) A survey of film history from its beginnings to 1945, focusing on cinema's development from aesthetic, social, technological, and economic perspectives. Includes selected issues in film theory.

Corequisite: FILM 220.

### FILM 211 - History of Film II (3)

(3 lecture, 1 film screening) A survey of cinema from 1945 to the present day. This course will study innovations in technology and production as well as formal developments in narrative, editing, cinematography, and sound.

Corequisite: FILM 221.

### FILM 220 - Screening For Film 210 (0)

Required once per week screening time to complement FILM 210.

Corequisite: FILM 210.

### FILM 221 - Screening For Film 211 (0)

Required once per week screening time to complement FILM 211.

Corequisite: FILM 211.

### FILM 230 - Introduction to Filmmaking (3)

This hands-on course introduces students to the basics of the short-film production process: from scripting, development, shooting, editing, to marketing.

Offered: Generally offered Fall Annually. Course Fee: Course Fee Required.

### FILM 310 - Film Theory and Criticism (3)

A historical survey of film theories and criticism, including formalist and structuralist, psychoanalytic, feminist, and queer theory. Genre theory and theories of spectatorship and audience response will also be considered.

Prerequisite: FILM 120 with a minimum grade of D-.

Corequisite: FILM 311.

### FILM 311 - Screening for Film 310 (0)

Required once per week film screening time to complement FILM 310.

Corequisite: FILM 310.

**FILM 320 - Special Topics in Film (3)**

(3 lecture, 1 film screening) This course will allow students to study a particular area of film criticism, history, or theory, or consider a specific national cinema.

Corequisite: FILM 321. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**FILM 321 - Screening For Film 320 (0)**

Required once per week screening time to complement FILM 320. S/U graded.

Corequisite: FILM 320.

**FILM 330 - Studies in a Genre or Director (3)**

(3 lecture, 1 film screening) An introduction to key theories and methods of analysis in genre studies or auteur theory, focusing on a particular genre or a particular director.

Corequisite: FILM 331. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**FILM 331 - Screening For Film 330 (0)**

Required once per week film screening time to complement FILM 330.

Corequisite: FILM 330.

**FILM 350 - Advanced Filmmaking (3)**

A hands-on course in advanced visual and aural storytelling through the medium of cinema.

Prerequisite: (FILM 230 or ENG 229 with a minimum grade of D-). Course Fee: Course Fee Required.

**Film 379 - Film and Literature (3)**

This course considers the relationship between literature and film, including the aesthetic and commercial processes of adaptation and media convergence.

Offered: Generally offered Spring - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**FILM 400 - Teaching Film (3)**

This course introduces methods of teaching and using film in the classroom. It emphasizes theories of film pedagogy and includes actual classroom practice.

Prerequisite: FILM 120 with a minimum grade of D-. Corequisite: FILM 401.

**FILM 401 - Screening for Film 400 (0)**

Required once per week screening time to complement FILM 400.

Corequisite: FILM 400.

**FL - Foreign Language**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**FL 440 - Methods of Teaching Foreign Languages in K-6 (3)**

Designed to prepare future foreign language teachers to teach at the kindergarten through sixth grade levels.

**FL 441 - Methods of Teaching Foreign Languages in K-12 (3)**

Emphasize standard-based teaching and learning methods, curriculum and classroom organization and design, testing and evaluation, procedures and materials, relationship of subject area to K-12 teaching program.

Prerequisite: (Completion of Applic for Initial Adm to PTEP or EDFE 110 with a minimum grade of S).

**FND - Food Nutrition and Dietetics**

College of Natural and Health Sciences

*Department of Kinesiology, Nutrition, and Dietetics (p. 98)*

**FND 210 - Medical Terminology (2)**

Terminology used in medical sciences. Development of medical vocabulary.

Offered: Generally offered Winter Interim, Spring, and/or Summer Annually.

**FND 245 - Introduction to Nutrition (3)**

For dietetics students and those desiring a focus on the science of nutrition. Functions, metabolism, and sources of nutrients will be studied applying recommendations and an evidence-based approach.

Prerequisite: (CHEM 111L or CHEM 111 with a minimum grade of D-).

**FND 250 - Principles of Nutrition (3)**

Investigation of the principles of nutrition as applied to humans.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**FND 252 - Nutrition in the Life Cycle (3)**

Nutrition applied to the various stages of life, from conception to the later years. Socioeconomic, psychological, physiological factors affecting food intake.

Prerequisite: (FND 250 or FND 245 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually.

**FND 310 - Introduction to Foods (2)**

Laboratory required. Study of the chemical and physical properties of food and the effects of processing, preparation, preservation and storage.

Prerequisite: (FND 245 or FND 250 with a minimum grade of D-). Corequisite: FND 310L. Offered: Generally offered Fall Annually.

**FND 310L - Introduction to Foods Laboratory (2)**

(4 laboratory) Application of food science principles (chemical and physical properties) to food preparation, objective and subjective evaluation, and recipe modification.

Prerequisite: (FND 245 or FND 250 with a minimum grade of D-). Corequisite: FND 310. Offered: Generally offered Fall Annually. Course Fee: Course Fee Required.

**FND 320 - Nutrition Applications in Foodservice (2)**

Laboratory required. Study of health, cultural, economic, culinary arts and contemporary nutritional concepts in quantity foodservice applications.

Prerequisite: (FND 250 and FND 252 with a minimum grade of D-). Corequisite: FND 320L. Offered: Generally offered Spring Annually.

**FND 320L - Nutrition Applications in Foodservice Laboratory (1)**

(2 laboratory) Laboratory to accompany FND 320.

Prerequisite: (FND 250 and FND 252 with a minimum grade of D-). Corequisite: FND 320. Offered: Generally offered Spring and Summer Annually. Course Fee: Course Fee Required.

**FND 335 - Breastfeeding: Benefits, Support and Promotion (2)**

Advanced study of breastfeeding benefits, support and promotion within the field of food, nutrition and dietetics.

Prerequisite: (FND 245 or FND 250 with a minimum grade of D-).

**FND 360 - Nutrition and Aging (3)**

Advanced study of physiological and biological changes occurring with aging on nutrition status, nutrient requirements, and physical ability; with emphasis on the relationship between optimal nutrition, activity, and successful aging.

Prerequisite: (FND 245 or FND 250 with a minimum grade of D-).

**FND 370 - Nutrition Education and Application Strategies (3)**

Nutrition education and application strategies to enhance dietary change.

Prerequisite: FND 252 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring Annually.

**FND 395 - Special Topics in Food, Nutrition and Dietetics (1-3)**

Advanced study of variable topics within the field of food, nutrition and dietetics.

Prerequisite: (FND 245 or FND 250 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**FND 410 - Professional Development Seminar (2)**

Development of the dietetic profession. Examination of topics in nutrition and dietetics not covered in previous coursework. S/U graded.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Dietetics (and) Didactic Dietetics Ed Major(s).

**FND 420 - Maternal and Child Nutrition (3)**

Developmental stages, nutrient requirements, appropriate diet and eating behaviors for children from conception through school age. Nutrition related conditions of children and nutrition for the pregnant and lactating woman.

Prerequisite: FND 252 with a minimum grade of D-. Offered: Generally offered Spring Annually.

**FND 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Class Restriction: Include Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**FND 430 - Nutrition Assessment and Intervention (2)**

Nutrition assessment and intervention during acute and chronic disease. Theory and practical application presented.

Prerequisite: (FND 210 and FND 252 with a minimum grade of D-) and (BIO 245 or BIO 350 with a minimum grade of D-). Corequisite: FND 430L. Offered: Generally offered Fall Annually.

**FND 430L - Nutrition Assessment and Intervention Laboratory (1)**

(2 laboratory) Laboratory to accompany FND 430. Practical application of the Nutrition Care Process, including nutrition assessment methods, intervention methods, documentation and case studies.

Prerequisite: (FND 210 and FND 252 with a minimum grade of D-) and (BIO 245 or BIO 350 with a minimum grade of D-). Corequisite: FND 430. Offered: Generally offered Fall Annually. Course Fee: Course Fee Required.

**FND 431 - Medical Nutrition Intervention (2)**

The study of nutrition for prevention and treatment of disease and health conditions with integration of pathophysiology is covered.

Prerequisite: (FND 430 and FND 430L with a minimum grade of D-). Corequisite: FND 431L. Offered: Generally offered Spring Annually.

**FND 431L - Medical Nutrition Intervention Laboratory (1)**

(2 laboratory) Practical application of the Nutrition Care Process in acute and chronic disease. Theory and practical application are presented.

Prerequisite: (FND 430 and FND 430L with a minimum grade of D-). Corequisite: FND 431. Offered: Generally offered Spring Annually. Course Fee: Course Fee Required.

**FND 446 - Foodservice Systems Management (3)**

Systems approach applied to commercial and noncommercial food service facilities including: procurement, production, distribution, service and maintenance. Management of food service operations.

Prerequisite: (FND 320L or FND 320 with a minimum grade of D-) and (FND 252 with a minimum grade of D-). Corequisite: FND 446L. Offered: Generally offered Spring Annually.

**FND 446L - Foodservice Systems Management Laboratory (1)**

(3 laboratory) Laboratory to accompany FND 446.

Prerequisite: (FND 320L or FND 320 with a minimum grade of D-) and (FND 252 with a minimum grade of D-). Corequisite: FND 446. Offered: Generally offered Spring Annually. Course Fee: Course Fee Required.

**FND 451 - Advanced Nutrition (3)**

Metabolic, physiological and biochemical functions of nutrients and sub cellular components and their role in maintaining the integrity of the organism.

Prerequisite: (FND 245 with a minimum grade of C- or FND 250 with a minimum grade of D-) and (BIO 245 with a minimum grade of C- or BIO 350 with a minimum grade of D-) and (CHEM 281 with a minimum grade of D- or (CHEM 381 and CHEM 381L with a minimum grade of C-) or CHEM 381 with a minimum grade of C- or (CHEM 281 and CHEM 281L with a minimum grade of D-)). Offered: Generally offered Spring Annually.

**FND 452 - Community Nutrition (3)**

Systemic analysis of community food and nutrition problems and programs. Role of public and private sectors in community health promotion.

Prerequisite: FND 252 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring Annually. Course Attribute: Community Engaged Learning.

**FND 455 - Nutrition for Fitness and Athletic Performance (3)**

The study of nutrition principles as they apply to the promotion of optimal physical fitness and athletic performance. Current research and evaluation of nutritional recommendations will be stressed.

Prerequisite: (FND 250 or FND 245 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Junior and Senior.

## FR - French

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

### **FR 301 - France & Francophonie I (3)**

Develop fluency in writing and conversation skills and build vocabulary through discussions and compositions about a variety of cultural texts and media.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 302 - France & Francophonie II (3)**

Acquire advanced writing and conversation skills and build vocabulary through discussions and compositions about a variety of cultural texts and media.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 311 - French Civilization and Literature Survey I (3)**

Study of French civilization from prehistoric times up through the eighteenth century, including the historical, geographical, economic, political, artistic and literary development of France. Conducted in French.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 312 - French Civilization and Literature Survey II (3)**

Study of French civilization from the French Revolution to the present, including the historical, economic, political, social, artistic and literary development of France. Conducted in French.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 340 - French for the Professions (3)**

Introduction to professional language and culture in France and the French-speaking world. Create a professional portfolio in French and in the French style. Prepare for a job interview in French. Taught in French.

Prerequisite: (FR 201 and FR 202 with a minimum grade of D-).

### **FR 350 - Introduction to French Literature (3)**

Study of French literature from the Middle-Ages through the twenty-first century, including the historical, geographical, economic, political, artistic, and literary development of France. Conducted in French.

Prerequisite: (FR 201 and FR 202 with a minimum grade of D-).

### **FR 407 - French Phonetics and Oral Proficiency (3)**

Intermediate oral proficiency in French required. Designed to develop oral proficiency through intensive phonetic training, and by exposing students to advanced and superior linguistic functions. This course prepares students for the Oral Proficiency Interview (OPI).

Prerequisite: FR 202 with a minimum grade of D-. Class Restriction: Include Junior and Senior. Repeatable Status: Course may be repeated 1 time.

### **FR 411 - France Then and Now (3)**

Study the importance of selected periods of French history. Examine the role and the art, literature and philosophy of these periods in the development of contemporary French civilization.

Prerequisite: FR 202 with a minimum grade of D-. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

### **FR 412 - French Politics and Society (3)**

Study the political and social systems of modern France. Learn of France's involvement in the European Community and the implications of this involvement for French politics and society.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 413 - The Francophone World (3)**

Study the differing cultures of countries and/or regions of the non-European francophone world, in particular Quebec, the French West Indies, and French speaking Africa.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 414 - Language and Society (3)**

Study areas of the evolving French language relative to contemporary French society. Topics include commercial French, French in the popular press, familiar language and slang, and regionalism.

Prerequisite: FR 202 with a minimum grade of D-.

### **FR 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes:

Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.



**FR 440 - Advanced Linguistic Studies (3)**

An in-depth study of the French language in the context of Francophone societies. Topics may include language development over time, linguistic register, language policy, phonology, morphology, the evolving lexicon, slang, regional languages and dialects, and French around the globe.

Prerequisite: FR 300-399 with a minimum grade of D-.

**FR 450 - Readings in French Literature (3)**

Study the masterpieces and literary movements of French literature. Learn to read and discuss complete works of literature in French. Acquire the skills to write research papers on course topics.

Prerequisite: FR 202 with a minimum grade of D-. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**FR 475 - Research Seminar (3)**

Study thematically related literary, historical, cultural and contemporary texts. Develop, express and critique textual interpretation and analysis in a research paper. In French and English.

Prerequisite: FR 202 with a minimum grade of D-. Mutually Exclusive Course: Credit allowed for only one of these courses: ASIA 475 and FR 475 and GER 475.

**GEOG - Geography**

College of Humanities and Social Sciences

*Department of Geography, GIS, and Sustainability (p. 84)*

**GEOG 100 - World Geography (3)**

Introduction to the complex relationships that link humans with their physical, cultural and spatial environments. Students will investigate these diverse relationships through a variety of worldwide examples.

Course Attribute: LAB2-Soc&BehSci-Geography and LAIS-International Studies and GT Geography.

**GEOG 110 - Geography of the United States and Canada (3)**

An analysis of the cultural and environmental patterns of North America, with emphasis on the geographic processes that shape them.

Course Attribute: LAB2-Soc&BehSci-Geography and GT Geography.

**GEOG 111 - Introduction to Field Techniques (1-3)**

Course encourages students to demonstrate an understanding of the value, meaning and benefits of experiential learning and to explore a variety of applied field techniques. S/U graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours. Course Fee: Course Fee Required.

**GEOG 185 - Introduction to Drones (3)**

This course will expose students to the fundamental concepts and geo-spatial utilization of drones (sUAVs). Students will learn the technologies, concepts, and applications of drones.

Offered: Generally offered Fall Annually. Course Fee: Course Fee Required.

**GEOG 195 - Introduction to Geographic Methods (3)**

Introduction to geography field and other research methods: asking geographic questions, identifying data needs, planning field work or other geographic research, working in teams, making observations and recording data.

**GEOG 200 - Human Geography (3)**

Study the role of location and locational questions in human behavior including how locational factors influence behavior and resulting social and cultural modifications.

Course Attribute: LAB2-Soc&BehSci-Geography and GT Geography.

**GEOG 210 - Introduction to GIS and GPS (3)**

This course will expose students to the fundamental concepts and application techniques used in Geographic Information Science (GIS) and Global Positioning Systems (GPS).

Course Fee: Course Fee Required.

**GEOG 218 - Emerging Asia (3)**

Critically analyze the rapid (re)emergence of Asia as a center of the global economy and the enormous geographic diversity across its sub-regions (South, Southeast, and East Asia).

Course Attribute: LAB2-Soc&BehSci-Geography and LAIS-International Studies.

**GEOG 220 - Climate and Vegetation (3)**

Introduces basic patterns and processes operating in the atmosphere and biosphere, emphasizing the distribution of major features found on Earth and the interactions between humans and the natural environment.

**GEOG 224 - Exploring Colorado (3)**

A multidisciplinary approach-geographic, historical, economic, and civic- is used to investigate and analyze issues pertinent to the State of Colorado.

**GEOG 230 - Landforms, Water & Hazards (3)**

Introduces the basic patterns and processes operating in the lithosphere and hydrosphere, emphasizing the distribution and forms of features found on Earth, and the natural hazards associated with them.

**GEOG 249 - Food, People, and Place (3)**

This course takes an interdisciplinary approach toward understanding modern and traditional agriculture, and the ways in which these agricultural forms both clash and coalesce.

Offered: Generally offered Fall Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: ENST 249 and GEOG 249.

**GEOG 250 - The Making of the American Landscape (3)**

Introduction to the historical geography of North America emphasizing the historical roots of contemporary American landscapes and employing the theories, concepts and methods of social science used by geographers.

Course Attribute: LAB2-Soc&BehSci-Geography and GT Geography.

**GEOG 270 - Professional Development (3)**

Explore career options for geography and environmental studies majors and practice professional development skills.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 270 and ENST 270.

**GEOG 285 - Earth from Above (3)**

Learn how to view and analyze the earth from above using remote sensing, the study of the earth's land, water, atmosphere, and human-made features using devices on both airborne and spaceborne platforms. This course emphasizes the understanding of remote sensing foundations for environmental and urban applications.

Offered: Generally offered Fall Odd Years. Course Fee: Course Fee Required.

**GEOG 296 - Study Abroad Experience (3)**

An experiential approach to learning about cultures, landscapes, language and natural resources of another country. Students engage with the natural environment and local communities through written assignments and intensive fieldwork. S/U graded.

Repeatable Status: Course may be repeated 2 times.

**GEOG 300 - Advanced Human Geography: Topics (3)**

Examine the evidence and imprint of cultural values on geographic landscapes; utilize techniques of spatial diffusion, cultural ecology and integration and landscape analysis to identify and investigate culture regions.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**GEOG 302 - Cartography (3)**

Study the fundamentals, theory and practice of mapmaking and graphic representation. Students make use of advanced geographic information systems (GIS) and illustration software packages.

Prerequisite: GEOG 210 with a minimum grade of D-. Course Fee: Course Fee Required.

**GEOG 307 - Geographic Information Science (3)**

Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, modeling and output using GIS software.

Prerequisite: GEOG 210 with a minimum grade of D-. Course Fee: Course Fee Required.

**GEOG 310 - Urban and Regional Planning (3)**

Examine current planning practice in the United States and its larger economic, social, political and geographic context. Topics include land use regulation, urban design, transportation systems and growth Management.

**GEOG 312 - Economic Geography of the Industrialized World (3)**

Systematic study of relationships between geography and economics, focusing on spatial dynamics of technical change, divisions of labor, business organization, resource use, and international trade.

**GEOG 315 - Nature and Society (3)**

Analyze problems in nature-society relationships by exploring geographic theory surrounding environmental politics, surveying local and global actors in these conflicts, and addressing varied contemporary issues in resource management.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 315 and ENST 315.

**GEOG 320 - Population Geography (3)**

Analysis of world population distribution and change utilizing geographic themes and demographic measures, with particular attention to migration, urbanization, environmental impact, and national planning.

**GEOG 324 - Crime Mapping (3)**

Provides the student with hands on experience in the use of Geographic Information System (GIS technology to analyze organizational operations, crime statistics, and crime patterns).

Prerequisite: GEOG 210 with a minimum grade of D-.

Offered: Generally offered Fall - Check with department/school for next offering. Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 324 and CRJ 324.

**GEOG 325 - Advanced Physical Geography: Topics (3)**

Study the complexities of the physical world and investigate the interactions between human activities and the physical environment.

Prerequisite: (GEOG 220 or GEOG 230 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**GEOG 326 - Emerging Africa: Local Resources and Livelihoods in a Global Context (3)**

Identify and analyze relationships between the physical and cultural patterns, including land use, resource development, social, political and economic problems throughout the continent of Africa.

Offered: Generally offered Fall Odd Years. Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 326 and ENST 326.

**GEOG 327 - Fundamentals of Geospatial Programming (3)**

This course provides fundamental skills for geospatial programming. Topics include learning Python scripting syntax and using scripts to access and automate geographic processing tasks.

Prerequisite: GEOG 307 with a minimum grade of D-. Course Fee: Course Fee Required.

**GEOG 330 - Cultural Geography (3)**

Examine the evidence and imprint of cultural values on geographic landscapes; utilize techniques of spatial diffusion, cultural ecology and integration and landscape analysis to identify and investigate culture regions.

**GEOG 333 - Environment and Society in Latin America (3)**

Explores land, people, and culture in the major sub-regions of Latin America. Emphasis on contemporary population, economic, political and environmental issues.

Offered: Generally offered Spring Even Years.

**GEOG 340 - Europe (3)**

Study the relationships between the physical and cultural environments, including land use, resources, economics and political problems.

**GEOG 345 - Environmental Geography: Earth at Risk (3)**

Examine selected environmental issues, including climate change, environmental degradation, and resource depletion, focusing on the physical processes underlying these problems and how human activities contribute to environmental problems.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 345 and ENST 345.

**GEOG 360 - Nations, States, and Territory (3)**

Systematic study of relationships between geography and politics; topics include the formation of the modern state, the international system, territorial expansion, global markets, warfare, and political interactions at various scales.

**GEOG 370 - The City (3)**

Systematic study of urban processes, from the ancient to the modern world, with an emphasis on the origins, development, and future of cities in the United States.

**GEOG 375 - Quantitative Techniques in Geography (3)**

Examine elementary statistical techniques useful to the analysis of geographical data. Some background in mathematics useful.

**GEOG 380 - Sustainable Geographies (3)**

Examine the sustainability of contemporary living patterns. Explore alternative approaches to meeting transportation, domestic power and heating, food production and waste disposal needs on the personal and community levels.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 380 and ENST 380.

**GEOG 385 - Natural Parks & Protected Areas Seminar (3)**

Explores the role of protected areas in sustaining society, and examines natural parks as working ecosystems, biodiversity and resource banks, recreational spaces, and symbols of cultural and national heritage. Culminates in a capstone project.

Class Restriction: Include Junior and Senior.

**GEOG 391 - Western Colorado Rivers (3)**

Field course: Analyzes the geography of rivers in Western Colorado. Fieldwork and conceptual skills address environmental issues, using specialized equipment, maps, data storage devices, and field sampling methods.

Course Fee: Participation Fee Required and Supervision Fee Required.

**GEOG 392 - Field Course in Geography (1-6)**

Study and apply the techniques used in solving geographic problems in the field and effectively present the results of such studies.

Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time.

**GEOG 395 - Advanced Regional Geography: Topics (3)**

Study special topics in regional geography: contemporary geographic issues affecting environmental, economic, political, cultural, or social phenomena in emerging or borderland regions.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**GEOG 412 - Web Mapping (3)**

Study thematic map communication via the internet and wireless technologies. Develop interactive maps that can be served over the internet. Build mobile mapping applications.

Prerequisite: (GEOG 302 or GEOG 307 with a minimum grade of D-). Course Fee: Course Fee Required.

**GEOG 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**GEOG 440 - Biogeography (3)**

Identify meaningful patterns in the distributions of plants and animals and explain how/why those patterns developed. Includes an examination of the role humans have played in shaping those patterns.

Prerequisite: (GEOG 220 or GEOG 230 or ENST 100 or BIO 111 with a minimum grade of D-). Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 440 and ENST 440.

**GEOG 444 - Global Climate Change (3)**

An examination of what causes climate to change across different time scales; how climate has changed in the past; how scientists use models, observations and theory to make predictions about future climate; and the consequences of climate change for our planet. One field trip required.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 444 and ENST 444.

**GEOG 445 - Landscape Ecology (3)**

Learn theory, methods, and tools to understand and analyze the landscapes we live in and to solve landscape-related environmental problems.

Prerequisite: (GEOG 210 or GEOG 220 or GEOG 230 or ENST 100 or BIO 111 or ESCI 200 with a minimum grade of D-). Offered: Generally offered Spring Even Years.

**GEOG 449 - Remote Sensing of the Environment (3)**

Students will learn the conceptual foundations and technical skills to apply remote sensing in environmental and cultural applications. Topics will include land use/land cover classification, change detection, and vegetation modeling.

Prerequisite: GEOG 210 with a minimum grade of D-.  
Course Fee: Course Fee Required.

**GEOG 466 - Grant and Proposal Writing (3)**

Explores the fundamentals of grant writing and culminates in the creation of a proposal for submission to a federal agency or nonprofit.

**GEOG 470 - Urban GIS (3)**

Students will gain in-depth knowledge on various urban topics, and evaluate critically economic, social, environmental and health problems in urban areas using GIS.

Prerequisite: GEOG 210 with a minimum grade of D-.

**GEOG 485 - Advanced Geographic Techniques: Topics (1-3)**

Advanced study of geographic techniques. Topics will relate to applications in GIS, remote sensing, quantitative analysis, land use analysis, or the mapping sciences.

Prerequisite: GEOG 210 with a minimum grade of D-.  
Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Course Fee Required.

**GEOG 490 - Capstone Proposal (2)**

Introduces the research process through identification and framing of a research proposal following accepted and standard protocols. Topics include hypothesis formulation and testing, designing a research project, and career preparedness.

Prerequisite: 84.0 credits required. Offered: Generally offered Fall Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 490 and ENST 490. Major/Minor Restriction: Include Geography Major(s). Class Restriction: Include Junior and Senior.

**GEOG 491 - Senior Capstone (2)**

Research selected environmental and geographic topics based on ENST/GEOG 490 Proposal. Course focuses on the assessment of students' environmental and geographic knowledge base, research and analysis skills.

Prerequisite: GEOG 490 with a minimum grade of D-.  
Mutually Exclusive Course: Credit allowed for only one of these courses: GEOG 491 and ENST 491. Major/Minor Restriction: Include Geography Major(s). Class Restriction: Include Senior.

**GEOG 492 - Internship (1-6)**

Advanced undergraduate majors and minors use geographic training while working in local, state or federal agencies. Participants must meet university internship requirements. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**GEOL - Geology**

College of Natural and Health Sciences

*Department of Earth and Atmospheric Sciences (p. 97)*

**GEOL 100 - General Geology (4)**

(3 lecture, 2 laboratory) Survey for nonscience majors. Origins and classification of minerals and rocks, landscape development and earth's structure and history. Field trips required.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOL 100 and ESCI 150 and GEOL 110 and GEOL 201. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural & Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**GEOL 110 - Our Geological Environment (3)**

Investigation of the interaction between people and geologic environments. Focus on earth materials, geologic time, landscapes, mineral and energy resources, and geologic hazards (earthquakes, volcanoes, floods and landslides).

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOL 110 and ESCI 150 and GEOL 100. Major/Minor Restriction: Exclude Earth Sciences Major(s). Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**GEOL 201 - Physical Geology (4)**

(3 lecture, 3 laboratory) For Geology and other science majors. Introduction to earth materials, landform development, geologic structures and tectonics. Field trips required.

Mutually Exclusive Course: Credit allowed for only one of these courses: GEOL 201 and GEOL 100. Course Fee: Differential Tuition Required and Course Fee Required.

**GEOL 202 - Historical Geology (4)**

(3 lecture, 3 laboratory) Geologic history of the earth and its past life and principles and techniques employed to interpret this history from rocks and fossils. Field trips to investigate local geologic history required.

Prerequisite: (GEOL 100 or GEOL 201 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**GEOL 320 - Mineralogy (4)**

(3 lecture, 3 laboratory) Introduction to crystallography, crystal chemistry, descriptive and determinative mineralogy, study of mineral occurrences and associations. Examine crystallography and identify minerals by physical and x-ray techniques in laboratory. Field trip(s) required.

Prerequisite: GEOL 201 with a minimum grade of D-. Mutually Exclusive Course: Credit allowed for only one of these courses: GEOL 320 and ESCI 320. Course Fee: Differential Tuition Required and Course Fee Required.

**GEOL 340 - Paleontology (4)**

(3 lecture, 3 laboratory) Study of fossils including taxonomy, systematics, taphonomy, functional morphology, paleoecology, biostratigraphy, extinction, evolutionary trends and major events in the history of life. Labs review major fossil groups. Field trips required.

Prerequisite: GEOL 202 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**GEOL 390 - Colorado Geology (3)**

Colorado rocks, minerals, fossils, landforms, oil, coal, oil shale, geologic history and geologic hazards explored in informal atmosphere. Includes multi-day field trip to investigate geological features in natural settings.

Prerequisite: (GEOL 100 or GEOL 201 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**GEOL 410 - Groundwater Geology (3)**

(2 lecture, 3 laboratory) Groundwater geologic settings. Hydrology of groundwater basins. Well hydraulics. Principles of flow in saturated and unsaturated materials. Modeling of hydrogeologic systems. Applications to groundwater contamination and management problems.

Prerequisite: (GEOL 100 or GEOL 201 with a minimum grade of D-) and (Concurrent Prerequisite MATH 131 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**GEOL 415 - Ore Geology (3)**

Overview of what ore is and how it is formed, techniques of finding and extracting ore, plus environmental impacts of extracting ore. Case studies of well-known mines.

Prerequisite: (GEOL 202 and GEOL 320 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**GEOL 421 - Ig and Met Petrology (4)**

(3 lecture, 3 laboratory) Description and classification of igneous and metamorphic rocks in hand sample and in thin section. Includes a study of the genesis of igneous and metamorphic rocks via phase diagrams and chemical reactions.

Prerequisite: GEOL 320 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**GEOL 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**GEOL 445 - Vertebrate Paleontology (3)**

A survey of the evolution of vertebrates through geologic time, emphasizing major events in the history of vertebrates. Includes field trips and methods of fossil collection, preparation, and curation.

Prerequisite: GEOL 202 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**GEOL 450 - Sedimentology and Stratigraphy (4)**

(3 lecture, 3 laboratory) Sedimentary processes; depositional environments; classification and structures of sedimentary rocks; field and laboratory methods of analyzing and interpreting outcrops and samples. Regional stratigraphy of northeastern Colorado investigated. Field trips required.

Prerequisite: GEOL 202 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**GEOL 460 - Geomorphology (4)**

(3 lecture, 3 laboratory) Origin and evolution of landforms emphasizing processes of their formation, including tectonic, glacial, fluvial and hillslope processes. Two field trips are required.

Prerequisite: (GEOL 100 or GEOL 201 with a minimum grade of D-) and (MATH 127 with a minimum grade of D-). Offered: Generally offered Spring Even Years. Course Fee: Differential Tuition Required and Participation Fee Required.

**GEOL 464 - Glacial and Quaternary Geology (3)**

A survey of geologic phenomena that characterized the Quaternary Period, with emphasis on the behavior of glaciers, glacial landforms and sediment and climatic implications. Two Saturday field trips required.

Prerequisite: (GEOL 100 or GEOL 201 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**GEOL 467 - Volcanic Geology (3)**

(2 lecture, 3 laboratory) A study of volcanoes, and volcanic processes and products. Emphasis on the origin, classification and interpretation of volcanic rocks and ejecta, and volcanic structures and landforms.

Prerequisite: GEOL 202 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**GEOL 470 - Structural Geology (4)**

(3 lecture, 3 laboratory) Mechanics of rock deformation and geologic structures of the earth's crust - their description and classification, theories and facts regarding their origins and methods of investigating them. Field trips required.

Prerequisite: GEOL 202 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**GEOL 481 - Geologic Field Techniques (3)**

(1 lecture, 4 laboratory) Collection of field geological data, construction of geologic maps, cross-sections, and reports. Includes use of Brunton compass, topographic maps, aerial photographs, and geographic information systems.

Prerequisite: (GEOL 450 and GEOL 470 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**GEOL 483 - Soils (3)**

(2 lecture, 3 laboratory) Explore, examine and interpret classification, genesis and processes that drive soil formation. Use soil data from various ecosystems to assess soil health and land management issues. One weekend field trip required.

Prerequisite: (CHEM 111 or ESCI 420 with a minimum grade of D-) and (GEOL 100 or GEOL 201 or ESCI 200 or GEOG 230 with a minimum grade of D-). Offered: Generally offered Fall even Years. Course Fee: Differential Tuition Required and Participation Fee Required.

**GEOL 485 - Tectonics (3)**

Overview of the processes driving and resulting from plate tectonics. Detailed study of some of the earth's past and present mountain belts.

Prerequisite: GEOL 470 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**GEOL 486 - Petroleum and Energy (3)**

Petroleum and energy geology includes integrated exploration and development methods and understanding technological advancements that have led to the dynamic energy industry. Case studies and applied problems are emphasized.

Prerequisite: (GEOL 201 and CHEM 111 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**GER - German**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**GER 116 - Contemporary Germany (3)**

Become familiar with the culture and society of Germany with special emphasis on contemporary German issues. Conducted in English.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies.

**GER 117 - German Hospitality (3)**

Study German traditions of hospitality in social and commercial contexts, including the cultural significance of beer. Apply awareness of German hospitality to travel and entrepreneurship by Americans. Conducted in English.

**GER 201 - Intermediate German I (3)**

Prerequisites: Two years of high school German or demonstrated language proficiency; AND a placement evaluation by the German program coordinator. Review language structures and develop reading and writing skills. Gain vocabulary through conversational practice on topics of cultural interest.

Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**GER 202 - Intermediate German II (3)**

Review language structures and develop reading and writing skills. Gain vocabulary through conversational practice on topics of cultural and literary interest.

Prerequisite: GER 201 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**GER 216 - German Literature in Translation (3)**

Study German-language literary works translated into English. Become familiar with different genres and major writers of German literary traditions and situate literature within its social and historical contexts. Conducted in English.

**GER 301 - Germany and the Germans I (3)**

Practice advanced language skills and acquire flexibility in written and spoken expression using a wide variety of authentic materials.

Prerequisite: GER 202 with a minimum grade of D-.

**GER 302 - Germany and the Germans II (3)**

Continue to study complex elements of German syntax and structure. Use authentic materials to acquire idiomatic expressions and versatility in speaking and writing.

Prerequisite: GER 202 with a minimum grade of D-.

**GER 311 - German Civilization and Literature Survey I (3)**

Study of German civilization from prehistoric times up to the 19th century, including the historical, geographical, economic, political, artistic and literary development of Germany. Conducted in German.

Prerequisite: GER 202 with a minimum grade of D-.

**GER 312 - German Civilization and Literature Survey II (3)**

Study of German civilization from the Revolution of 1848 to the present, including the historical, economic, political, social, artistic and literary development of Germany. Conducted in German.

Prerequisite: GER 202 with a minimum grade of D-.

**GER 340 - German for the Professions (3)**

An in-depth study of the German language for the purpose of functioning and communicating appropriately in a German-speaking professional setting.

Prerequisite: (GER 201 and GER 202 with a minimum grade of D-).

**GER 350 - Introduction to German Literature (3)**

Survey of literature in German from the Middle Ages to the 21st century, taking into consideration the commonalities and divergences in how various ages and regions treat recurrent themes in poetry, drama and/or fiction. Conducted in German.

Prerequisite: (GER 201 and GER 202 with a minimum grade of D-).

**GER 407 - German Phonetics and Oral Proficiency (3)**

Intermediate oral proficiency in German required. Designed to develop oral proficiency through intensive phonetic training, and by exposing students to advanced and superior linguistic functions. This course prepares students for the Oral Proficiency Interview (OPI).

Prerequisite: GER 202 with a minimum grade of D-.  
Class Restriction: Include Junior and Senior. Repeatable Status: Course may be repeated 1 time.

**GER 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**GER 440 - Advanced Linguistic Studies (3)**

An in-depth study of the German language in historical and contemporary contexts. Topics may include German morphology, German phonology, history of the German language.

Prerequisite: GER 300-399 with a minimum grade of D-.



**GER 475 - Research Seminar (3)**

Study thematically related literary, historical, cultural and contemporary texts. Develop, express and critique textual interpretation and analysis in a research paper. In German and English.

Prerequisite: GER 202 with a minimum grade of D-.  
Mutually Exclusive Course: Credit only allowed for one of these courses: ASIA 475 and FR 475 and GER 475.

**GNDR - Gender Studies**

College of Humanities and Social Sciences

*Gender Studies Program (p. 88)*

**GNDR 101 - Gender and Society (3)**

Why does gender matter? This interdisciplinary course interrogates the construction of gender in relationship to other social categories (such as race, ethnicity, class, sexuality, etc.) as they inform everyday life.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**GNDR 240 - Gender, Race, Class, and Sexuality (3)**

This course examines multiple and shifting categories of gender, race, class, and sexuality in feminist perspective, investigating how they contribute to our understandings of systems of privilege and inequality.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 240 and SOC 240. Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**GNDR 285 - Gender in the Contemporary Global Order (3)**

This course uses multiple theoretical perspectives to provide a cultural analysis of modernization, economic development, and globalization and their gendered effects on people in developed and underdeveloped countries.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**GNDR 300 - History of Feminism (3)**

This course provides an in-depth study of the history of American feminist political movements and intellectual traditions from the beginnings of the woman suffrage movement through contemporary feminist activism.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 300 and HIST 300.

**GNDR 316 - Global Conflict and Gender (3)**

This course uses multiple theoretical perspectives to provide a cultural analysis of conflict and war and their gendered effects on women, men, and other genders across the globe.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 316 and ANT 316.

**GNDR 320 - Gender in Popular Culture (3)**

Students will engage in an analysis of how gender and sexuality operate in the media and pop culture and examine how these representations affect identity formation.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 320 and SOC 323.

**GNDR 330 - Interrogating Marriage (3)**

This class examines the gendered institution of marriage historically and in contemporary society. It interrogates the purpose, nature, and function of marriage, particularly as marriage is made and remade by social categories of gender, race, class, and sexuality.

Special Notes: GNDR 330 cannot be retaken for credit if GNDR 395 "Interrogating Marriage" was taken in Spring of 2022.

Offered: Generally offered Spring - Check with department/school for next offering.

**GNDR 350 - Feminist Theories (3)**

This course offers a survey of competing philosophical, political, and epistemological feminist frameworks for understanding gender inequality, examining how feminist theories both build on and critique Western philosophical traditions.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 350 and PHIL 360.

**GNDR 372 - Bodies and Power (3)**

We examine the body as object and subject of shifting race, gender, class, and sexual meanings and as the product of complex social processes, including culture, medicalization, objectification, commodification, and globalization.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 372 and SOC 372.

**GNDR 380 - Queer Studies (3)**

This course introduces students to the field of queer studies. It examines the histories, identities, and theories emerging from gay, lesbian, bisexual, and transgendered communities and political movements.

**GNDR 395 - Topics in Gender Studies (3)**

This course provides opportunities to explore gender as a category of analysis in relationship to a variety of disciplinary approaches and selected topics.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

**GNDR 414 - Masculinities (3)**

A sociological analysis not just of men, but of masculinities. We will address debates about meanings of masculinity, historical variations, and how these definitions involve both male and female bodies.

Mutually Exclusive Course: Credit allowed for only one of these courses: GNDR 414 and SOC 414.

**GNDR 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**GNDR 492 - Internship (3 - 6)**

Supervised field practice on research related to gender issues. Paper analyzing experience required. Maximum of 3 semester credits count toward requirements for the Gender Studies Minor. S/U graded.

Special Notes: Prerequisite: 3 hours of GNDR credit or instructor permission.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**GOAL - Modified Classes**

College of Education and Behavioral Sciences

*School of Special Education (p. 79)*

**GOAL 101 - Transition to College Life and Career (4)**

Students will explore the rigors of college life and understand aspects of attending college and how this can benefit a student's transition to career. This course includes the following topics: daily living skills, self-determination and interpersonal skills, and employment skills. Required Program fee.

Program Restrictions: Include UNC GOAL Program.

**GOAL 102 - Career Exploration (4)**

Students will understand how to explore employment possibilities in relation to their interests and strengths.

Special Notes: Field hours and program fee required. Note: As students in the GOAL Program, students will pursue on-campus work experience.

Prerequisite: GOAL 101 with a minimum grade of D-. Program Restrictions: Include UNC GOAL Program.

**GOAL 201 - Social Thinking for Careers and Community Living (4)**

Students will demonstrate confidence and competency in the effective use of social thinking strategies and skills on campus, in the workplace, and in the community to increase opportunities for career advancement, authentic friendships, and independence.

Special Notes: Field hours and Program fee required. Note: As students in the GOAL Program, students will pursue on-campus work experience.

Prerequisite: GOAL 102 with a minimum grade of D-. Program Restrictions: Include UNC GOAL Program.

**GOAL 202 - Literacy for Career and Community Living (4)**

Students will understand how literacy and effective literacy strategies impact daily living, communication, and employability.

Special Notes: Field hours and Program fee required. Note: As students in the GOAL Program, students will pursue on-campus work experience.

Prerequisite: GOAL 201 with a minimum grade of D-. Program Restrictions: Include UNC GOAL Program.

**GOAL 301 - Career Choices & Finances (4)**

Students will understand how to choose a career based on their future financial lifestyle.

Special Notes: Field hours and program fee required. Note: As students in the GOAL Program, students will participate in an off-campus internship.

Prerequisite: GOAL 202 with a minimum grade of D-. Program Restrictions: Include UNC GOAL Program.

**GOAL 302 - Career & Community Engagement (4)**

Students will understand how to engage in their community and careers through exploration of community resources, events, and volunteer work.

Special Notes: Field hours and Program fee required. Note: As students in the GOAL Program, students will pursue an off-campus internship.

Prerequisite: GOAL 301 with a minimum grade of D-. Program Restrictions: Include UNC GOAL Program.

### **GOAL 401 - Workplace Skills, Interactions & Communication (4)**

Students will understand how to develop workplace skills, interact successfully on the job, and communicate effectively in the workplace.

Special Notes: Requires field hours and program fee. Note: As students in the GOAL Program, students will pursue an off-campus internship.

Prerequisite: GOAL 302 with a minimum grade of D-.  
Program Restrictions: Include UNC GOAL Program.

### **GOAL 402 - Preparing for Career and Independence After College (4)**

Students will understand what it means to work and live independently after graduation from college.

Special Notes: Field hours and Program fee required. Note: As students in the GOAL Program, students will participate in an off-campus internship.

Prerequisite: GOAL 401 with a minimum grade of D-.  
Program Restrictions: Include UNC GOAL Program.

## **HESA - Higher Education and Student Affairs Leadership**

College of Education and Behavioral Sciences

*Department of Leadership, Policy and Development: Higher Education and P-12 Education (p. 78)*

### **HESA 301 - Foundations and Praxis of Higher Education and Student Affairs (3)**

A survey course on the higher education and student affairs profession. Examines HESAL foundations: professional values, beliefs, and ethical standards; social justice; and current issues. Explores HESAL praxis: academic affairs and student affairs functional areas, professional associations, and graduate school preparation.

Class Restriction: Include Sophomore and Junior and Senior.

### **HESA 355 - Leadership for Social Change in Higher Education and Student Affairs (3)**

Explore social issues that influence college student participation and success. Engage in the type of leadership practice that inspires social change on campus and/or surrounding community. Establish connections between power, privilege, and oppression to formulate ideas and strategies to impact positive societal change in higher education and student affairs.

Class Restriction: Include Sophomore and Junior and Senior.

### **HESA 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

### **HESA 496 - Special Topics in Higher Education and Student Affairs Leadership (1-3)**

Study of special topics in higher education and student affairs leadership for undergraduate students. Topics vary.

Class Restriction: Include Sophomore and Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

## **HIST - History**

College of Humanities and Social Sciences

*Department of History (p. 85)*

### **HIST 100 - Survey of American History from Its Beginnings to 1877 (3)**

Survey of American history through Reconstruction to examine efforts to found New World communities, gain an American identity, secure independence and to define and secure the union under a federal government.

Course Attribute: LAH1-History and GT History.

### **HIST 101 - Survey of American History from 1877 to the Present (3)**

Survey of American history from reconstruction to the present to examine geographical expansion, the rise of industrial and military power, five American wars, reform cycles and the shaping of modern America.

Course Attribute: LAH1-History and GT History.

### **HIST 110 - African Civilization (3)**

An introduction to the society, economy, culture and politics of traditional Africa from the Empire of Ghana to the European conquest in the nineteenth century.

Offered: Generally offered Fall Annually. Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 112 - Asian Civilization I: From Prehistory to 1500 (3)**

Introduction to the historical development of pre-modern cultures in East, South, Southeast and Central Asia.

Offered: Generally offered Fall Annually. Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 113 - Asian Civilizations II: From 1500 to the Present (3)**

Examination of the modern transformation of East, South and Southeast Asian societies.

Offered: Generally offered Spring Annually. Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 114 - World History to 1500 (3)**

An introduction to the main global eras, their characteristics, and selected examples from the origins of our species to around 1491, with a focus on the period after 1000 BCE. Topics include empire, religion, gender relations, and the environment.

Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 115 - World History Since 1500 (3)**

Survey of the world's major civilizations, their unique achievements, and their interactions with and relation to other societies. Examines political, economic, and social change in the period encompassing the sixteenth through the twenty-first centuries.

Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 118 - History of Mexico (3)**

Mexican history from pre-Columbian times to the present emphasizing 19th and 20th centuries. Covers socioeconomic, political and cultural change.

Offered: Generally offered Fall, Spring, and Summer Annually. Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 120 - Western Civilizations from the Bronze Age to 1689 (3)**

A survey of European and Mediterranean civilizations from ancient Mesopotamia to the Glorious Revolution.

Offered: Generally offered Fall and Spring Annually. Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 121 - Western Civilization from 1689 to the Present (3)**

A survey of western Civilization from the Glorious Revolution to the present.

Offered: Generally offered Fall, Spring, and Summer Annually. Course Attribute: LAH1-History and LAIS-International Studies and GT History.

**HIST 224 - History of Colorado (3)**

A survey of Colorado history from prehistoric times to the post-World War II era.

**HIST 230 - Class and Culture in America (3)**

Explores class distinctions and the ways they changed over time, filtered through the lenses of gender, race, age, labor, consumption, popular culture, the family, and the American Dream.

**HIST 240 - Critical Issues in Modern America (3)**

A tracing of modern American history. Topics may include such items as foreign policy, presidential politics, civil rights, the growth of the welfare state and the changing American character.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**HIST 250 - LGBTQ History in the United States (1900-2000) (3)**

This course will focus on the history of Americans who held, publicly or privately, Queer identities as well as the events they participated in and created. By examining LGBTQ history students will gain a broader understanding of United States history through the lens of marginalization, activism, and inclusion in and among members of the LGBTQ community.

Offered: Generally offered Fall, Spring, and/or Summer Even Years. Course Attribute: LAH1-History and LAMS-Multicultural Studies and GT History.

**HIST 264 - Magic in Europe from Antiquity to the Enlightenment (3)**

Examines intellectual, cultural, scientific, and social history through the lens of magical thought and practice in Europe from Ancient Greece to the Enlightenment.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering.

**HIST 280 - Sophomore Seminar (3)**

An introduction to history, historiography, and historical methods.

Major/Minor Restriction: Include History  
Major(s)/Minor(s). Class Restriction: Include Sophomore and Junior and Senior.

**HIST 283 - Russian Cultural History (3)**

Development of Russian culture and society from the beginning to the present, with an emphasis on the 19th and 20th century, and contemporary contexts.

**HIST 290 - American Immigration (3)**

An examination of immigration to the United States, emphasizing 19th and 20th centuries. Includes Irish, English, German, Italian, Scandinavian, Jewish, Asian and Latin American immigrants as well as nativist and immigration legislation.

**HIST 300 - History of Feminism (3)**

This course provides an in-depth study of the history of American feminist political movements and intellectual traditions from the beginnings of the woman suffrage movement through contemporary feminist activism.

Mutually Exclusive Course: Credit allowed for only one of these courses: HIST 300 and GNDR 300.

**HIST 304 - Sex and Gender in East Asia (3)**

This course explores the role of men, women, and gender politics in East Asian history from the pre-modern era to the present. Topics discussed include Confucian gender ideology and patriarchy, female chastity and virtue, the politics of love and sexuality, as well as body and fashion.

**HIST 305 - Screening for HIST 306 (0)**

Required once per week film screening time to complement HIST 306. S/U graded.

Corequisite: HIST 306.

**HIST 306 - Modern China through Film (3)**

(3 lecture, 1 film screening) This course introduces some issues in modern Chinese history and examines how that history is treated in film. It places film in historical context, considering both the aesthetic form and the socio-political content of the films.

Corequisite: HIST 305.

**HIST 307 - History of China to 1500 (3)**

A study of the development of Chinese civilization from antiquity to 1500, stressing indigenous social, political and cultural change.

**HIST 310 - History of China Since 1500 (3)**

An analysis of the Chinese experience from 1500 to the present. Emphasizes the internal changes in China's political, social, economic, and cultural institutions.

**HIST 311 - History of Japan (3)**

A historical analysis of the Japanese experience from earliest times to the present. Emphasizes internal changes in political, social, economic, and cultural institutions.

**HIST 312 - History of Brazil (3)**

Study of Brazilian history from 1500 to the present, stressing the multiethnic dynamics of colonial society, the political transformations of independence, and the contemporary legacies of race, slavery, abolition, and gender.

**HIST 314 - History of Latin America to 1855 (3)**

A survey of Spanish America and Brazil from pre-Columbian civilizations to 1855. Covers conquest, church, Indian labor, administration, independence and beginning of nations.

**HIST 315 - History of Latin America: 1855 to the Present (3)**

A thematic study of personalism, nationalism, militarism, foreign influences and socioeconomic classes with particular reference to Nicaragua, Cuba, Chile, Argentina and Brazil.

**HIST 316 - History of Caribbean and Central America (3)**

The history of the Caribbean from pre Columbian times to the present, focusing on the legacies of slavery, abolition, race, and imperialism in Haiti, Cuba, the Dominican Republic, Jamaica and Nicaragua.

**HIST 318 - Modern Africa (3)**

A study of the social, political, economic and cultural transformation of 20th century Africa.

**HIST 319 - Revolutionary South Africa (3)**

A study of the enormous changes South Africa has experienced since 1654, investigating the development of ethnic groups, race relations, economic development, the imposition of apartheid, the successful struggle to establish majority rule, and the creation of a new multicultural nation.

**HIST 320 - Early America to 1763 (3)**

Examines history of early North America from European, African, and Native American perspectives, including cultural conflict among these groups; European imperial aims; political and economic developments; and experiences of ordinary people.

**HIST 321 - Revolutionary America, 1763-1815 (3)**

A study of the background of the American Revolution, the Revolution itself, the Confederation, the framing of the Federal Constitution and the social, economic, political and religious patterns of the Early Republic.

**HIST 322 - Religion in American History (3)**

Investigates the critical and varied role of religion in American history from the arrival of Europeans in the sixteenth century through the present.

**HIST 327 - The Early American West (3)**

Divides the American frontier into two parts: the Spanish and English language frontiers. Included is analysis of themes of environment, culture and perception of the frontier before 1846.

**HIST 328 - The United States West Since 1846 (3)**

Analyzes the themes of modernization, cultural change, environment and perception that arose from the American presence in the West after the war with Mexico, including the 20th century.

**HIST 329 - Indigenous North America (3)**

Covers the American Indian experience from prehistory to the present, emphasizing themes of environment, diversity and perception of native peoples by outside observers.

**HIST 331 - Civil War and Reconstruction (3)**

Major topics studied include political upheavals in the 1850s, the growth of southern nationalism, attempts at compromising constitutional differences, the Civil War and problems in reconstructing the Union.

**HIST 338 - Advanced Overview of American History (3)**

Advanced survey of American history from its beginning. Students will learn concepts of historical thinking and how to analyze the processes and resources of historical inquiry as these affect America.

**HIST 342 - American Constitutional History (3)**

An analysis of the origins and early history of the constitution, including its drafting, ratification and subsequent shaping. A survey of the development of constitutional interpretation by examining major cases in their historical context.

**HIST 347 - United States Women's History to 1877 (3)**

A survey of women in the United States to 1877. Examines gender ideologies, population movements, patterns of work, reform activities, and early women's rights from Colonization through Reconstruction.

**HIST 348 - United States Women's History Since 1877 (3)**

A survey of women in the United States to 1877. Examines gender ideologies, population movements, patterns of work, reform activities, and early women's rights from Colonization through Reconstruction.

**HIST 351 - The United States and World War II (3)**

A survey of World War II from the rise of the totalitarian states to the dropping of the atomic bombs; emphasis on the military and social aspects of the war.

**HIST 353 - The Rise of the American Century: The United States from 1898-1945 (3)**

Focusing on the United States from the turn of the twentieth century through World War II, this course highlights the rise of the United States as a military and economic power, as well as the dynamic relationship between everyday Americans and an ever expanding federal government.

**HIST 354 - The United States and the Vietnam Wars (3)**

Through a variety of readings, the course will concentrate on the political, social and cultural importance of Vietnam for American history from 1945 to 1975 and beyond.

**HIST 355 - American as a World Power: United States History from 1945 to the Present (3)**

A study of the political, social, cultural, and economic developments in post-WWII America. There will be a particular focus on the challenges Americans faced, at home and abroad during a time of U.S. global supremacy.

**HIST 356 - The 1970s: America's Decade of Change (3)**

An in depth look at the major political, social, and economic developments of the United States during the 1970s examined primarily through the lens of popular culture.

**HIST 357 - The United States and the Middle East (3)**

An examination of the history of relations between the United States and the nations and peoples of the "greater Middle East." Provides a chronological and analytical overview of the major themes and events in US relations with the Middle East with a special focus on the 20th and 21st centuries. Counts as a US History concentration elective.

**HIST 361 - History of Classical Greece and Rome (3)**

A survey of Greek and Roman civilization from the origins of Greece to the decline of Rome. Emphasis will be placed on their cultural and intellectual heritage.

**HIST 363 - Medieval History (3)**

An examination of Western Europe from Late Antiquity to the Early Modern Period (500-1500) which traces the main political, economic, social, religious and intellectual developments of the period.

**HIST 365 - Jews, Christians, and Muslims in Medieval Europe (3)**

Examinations of the three religions that most significantly impacted the Western world. Identifies the beliefs of each and traces their early histories. Emphasis on their interaction in the Medieval period (500-1500).

**HIST 367 - Topics in Early Modern Europe (3)**

A survey of the social, economic, religious and cultural developments in Western Europe from 1500 to 1800. Geographical emphasis may vary.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**HIST 368 - England: National and Global Histories, 1485-1800 (3)**

Key topics in the cultural, economic, and political transformation of England from a relatively weak and isolated kingdom to an emergent global power in complex relationships with many regions of the world.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering.

**HIST 371 - The European Enlightenment (3)**

Investigates the European Enlightenment in the 18th century and its contributions to Western modernity. Themes that will be treated include religion and science, race, gender, universal culture, the organization of political power and economics.

**HIST 372 - European Reformation: Religion & Society (3)**

Investigates religious developments in sixteenth-century Europe (Protestant and Catholic Reformations). Includes transformations in political power, gender relations, education, warfare and other areas that have shaped Western modernity.

**HIST 373 - France, Empire and War to 1804 (3)**

France and its empire in the Americas, 1500-1804. Political and cultural development, French-indigenous relations, the First Global War (1756-63).

**HIST 382 - Hitler's Germany 1890-1945 (3)**

The recent history of Germany focusing on the forces, events and individuals that gave rise to National Socialism and contributed to the decline of Europe into war and revolution.

**HIST 383 - Great War and Aftermath (3)**

An analysis of WWI from its origins through 1939, focusing on European participants and how the war led to a series of protracted crises that shaped the 20th century. Issues to be covered include communism, fascism, cultural modernism and gender.

**HIST 384 - Three Germanies (3)**

Focused on East and West Germany, examines the political, diplomatic, cultural and social effects of the ideological battle between East and West on Europe from 1945 through 1990.

**HIST 385 - History of the Holocaust, 1933 to the Present (3)**

An examination of the intellectual and racial antecedents of the Holocaust, its bureaucracy, operating mechanics for murder and the steps taken toward the final solution, the elimination of European Jewry.

**HIST 386 - Twentieth Century Russia (3)**

A detailed consideration of the establishment of the Soviet Union, its dissolution, and the contemporary role of Russia in the world.

**HIST 388 - Imperial Russia, 1700-1917 (3)**

Examines political, economic and cultural changes in imperial Russia from Peter the Great to the fall of the Romanov dynasty in 1917.

**HIST 391 - Gender and Difference in Pre-Modern Europe (3)**

Examines changing constructs of gender in ancient, medieval, and renaissance Europe, including non-binary figures and the intersection of gender with race, class, disability, and other categories of difference.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering.

**HIST 392 - Sex and Gender in Modern Europe (3)**

Rewrites European history by placing women and gender relations at the center. Focuses on key episodes, including war, and examines women's agency and roles, the forces shaping their lives, gender relations, and masculinity.

**HIST 394 - European Intellectual History (3)**

A consideration in depth of selected topics in European intellectual history from the Enlightenment to the present.

**HIST 395 - Topics in History (3)**

Treats diverse topics in American, European, Asian, African, Latin American or World History at an advanced level. For History majors, the course's area designation (American, European, World) is determined by the course subtitle and content.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**HIST 396 - World History (3)**

One semester thematic course in world history for history secondary-education concentrations; open also to all history majors. May be counted as 300/400 level European or non-western history.

**HIST 400 - Teaching History in the Secondary Curriculum (1)**

Teaching history methods, emphasizing content based history standards at secondary school level. S/U graded.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP).

**HIST 422 - Directed Study (1-6)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**HIST 480 - Seminar in History (3)**

Students will examine a specific topic and write a critical essay incorporating research, historical methodology, analysis and expository skills.

Class Restriction: Include Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**HIST 492 - Internship (1-3)**

Independent, individualized projects jointly directed by faculty supervisors and staff of cooperating office or institution.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**HON - Honors Program**

Undergraduate Studies

*Honors Program*

**HON 100 - Honors Connections Seminar I (3)**

A variable content seminar emphasizing the connections between areas of knowledge such as the Sciences, Arts, Philosophy, History, Literature and Sociology.

**HON 101 - Honors Introduction to Critical Thinking (1)**

An introductory course for honors students emphasizing critical and creative thinking, perspective taking, inquiry, and inter-cultural competencies through in-depth discussions on contemporary issues, engaged learning opportunities, and community-based projects.

**HON 180 - Great Ideas in Context (3)**

An introduction to global intellectual and cultural traditions through reading and discussion of classic works of literature.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**HON 182 - Confluence of Cultures (3)**

An exploration of African American, Asian American, Hispanic American, Native American or U.S. immigrant cultures from historical, literary, and artistic perspectives.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAMS-Multicultural Studies and GT Literature.

**HON 185 - Religions and Worldviews (3)**

Explores major religious and non-religious worldviews by examining the history, literature, rituals, and teachings of a selection of religious traditions and worldviews, as well as influential ancient and modern critiques of religion. We will also consider the ways in which people construct worldviews, as well as the possibilities for inter-religious dialogue.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**HON 200 - Honors Connections Seminar II (3)**

A variable content seminar that will engage them in a concentrated analysis of values and ethics in the context of the times.



**HON 351 - Junior Honors Seminar (1-3)**

A seminar or tutorial required of juniors in honors. Provides enrichment work in the student's discipline of choice and a start on the senior honors research thesis.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

**HON 395 - Honors Special Topics (3)**

An advanced study of selected topics of an interdisciplinary nature for Honors Program students.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**HON 420 - Honors Research Methods (3)**

Examination of research paradigms and methodologies to develop the most appropriate research methods and data analysis processes to design and develop a successful honors thesis proposal.

**HON 451 - Senior Honors Research Thesis (1-3)**

Different sections are offered by different departments. Required for senior participants in the Honors Program.

Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

**HON 492 - Honors Internship/Study Abroad (1-4)**

This course offers variable credit in an approved study abroad and/or internship for the Honors Program. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**HUM - Humanities**

College of Humanities and Social Sciences

*Department of English (p. 84)*

**HUM 122 - Popular Medievalisms (3)**

Examines written texts, visual arts and musical compositions to analyze and reflect the evolution and confluence of cultures in Europe, Asia, and the Americas from 800 C.E. to 1750 C.E.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAIS-International Studies and GT Literature.

**HUM 130 - Introduction to Cultural Studies (3)**

This course is a thematic introduction to the interdisciplinary field of Cultural Studies.

Offered: Generally Offered Fall and Spring Annually. Course Attribute: LAA3-Arts&Hum-Ways of Thinking and LAMS-Multicultural Studies and GT Ways of Thinking.

**HUM 200 - Cultural Rhetorics (3)**

An examination of how colonized, non-Western, and/or marginalized cultures define their own rhetorics and negotiate how they intersect with hegemonic Western rhetoric.

**HUM 231 - Images of Gender in Literature and the Arts (3)**

Investigation of stereotypes, roles, and representations of gender manifested in creative works by authors and artists of all genders.

Offered: Generally offered Fall, Spring, and/or Summer Annually. Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

**HUM 250 - Nations, Communities, and Cultural Memory (3)**

Introducing students to the field of Memory Studies, this course will explore cultural constructions of identity, collective and individual memory, and the politics of commemoration.

**HUM 310 - Medical Humanities (3)**

Introducing students to the field of medical humanities, this course will explore cultural constructions of disease and wellness, disability, and medicine and medical practice.

Prerequisite: (ENG 123 with a minimum grade of D- or ENG 225 with a minimum grade of D-) or (Completion of LC1b-Intermediate Composition course or Completion of LAW2-Intermediate Written Comm course).

**HUM 320 - Digital Humanities (3)**

This interdisciplinary course will introduce students to the intersections possible between humanistic inquiry and digital technologies.

Prerequisite: (ENG 123 with a minimum grade of D-) or (Completion of LC1b-Intermediate Composition course or Completion of LAW2-Intermediate Written Comm course).

**HUM 410 - International Research Collaboration (3)**

Students collaborate on a faculty-led research project with peers at a partner university outside of the USA. This enhances skills in team work, intercultural communication, and research, among others.

Offered: Generally offered Fall and/or Spring Annually.  
Class Restriction: Include Junior and Senior. Course  
Attribute: Variable Title Course.

**HUSR - Human Services**

College of Natural and Health Sciences

*Department of Rehabilitation and Human Services (p. 101)*

**HUSR 205 - Introduction to Human Services (3)**

Interdisciplinary orientation to human services systems worldwide. Historical developments, populations served, career opportunities, controversial issues, ethics. Special emphasis on topics and occupations in community health, gerontology and rehabilitation.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**HUSR 208 - Perspectives on Aging and Later Life (3)**

Survey of the field of gerontology with attention to the physical, psychological, social, economic and cross-cultural aspects of aging.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**HUSR 209 - Foundations of Health Promotion/Health Education (3)**

Overview of the field of health promotion/education including: evolution of the profession, health theories and models, functions/skills of health educators, current programs and settings for practice.

**HUSR 238 - Contemporary Issues in Drug Abuse (3)**

Examines current drug abuse problems and issues confronting modern society, including sociological and psychological factors influencing drug-taking behavior and social and health consequences that accompany drug abuse.

**HUSR 299 - Community Health Systems (3)**

Investigation and discussion of community organization, major community health problems and the role and function of various community agencies, programs and services related to problem resolution.

**HUSR 300 - Human Services Helping Skills (3)**

Study and develop effective interpersonal communications and human relations skills for human service workers.

Class Restriction: Include Sophomore and Junior and Senior.

**HUSR 336 - Human Sexuality (3)**

The general purpose of this course is to survey the psychosocial and biophysical dimensions of human sexuality.

**HUSR 342 - Modern Concepts of Health and Disease (3)**

This course is designed to discuss the etiology, treatment and control of the most significant diseases that affect the population of the United States today.

**HUSR 350 - Introduction to Environmental Health (3)**

Discussion of the relationships of environmental pollution to the ecosystem and health of humans. Analyze major areas of environmental pollution: water, air, solid wastes, pesticides, radioactive wastes and population.

Mutually Exclusive Course: Credit allowed for only one of these courses: HUSR 350 and ENST 355.

**HUSR 380 - Rehabilitation Principles and Case Management (3)**

Introduction to comprehensive rehabilitation history, philosophy, legislation and process. Details role and functions of case management and coordination with community, government, industry.

**HUSR 385 - Working with Families in Rehabilitation (3)**

Provides an analysis of relevant issues and critical problems concerning the effective utilization of family members in rehabilitation. Concerns of families in different cultures are addressed.

Prerequisite: HUSR 205 with a minimum grade of D-.

**HUSR 397 - Foundations of Substance Abuse Prevention and Treatment (3)**

Psychological, biological, sociological and cultural problems related to substance abuse, effects on family and adult children of alcoholics. Emphasis on treatment, multidimensional assessment program development and community resources.

**HUSR 399 - Professional Ethics in the Human Services (3)**

A developmental and case study based exploration of the professional ethics operative in the human services.

Prerequisite: HUSR 205 with a minimum grade of D-.

**HUSR 405 - Health Communications and the Media (3)**

Focuses on the design, production, evaluation and acquisition of appropriate media and materials for health education/promotion programs.

**HUSR 410 - Human Services Program Planning and Evaluation (3)**

Theories and practices of program planning and evaluation in human services, including planning models and procedures, needs assessment and evaluation design, data collection and analysis. Community based project required.

Prerequisite: (HUSR 205 and HUSR 300 with a minimum grade of D-). Class Restriction: Include Junior and Senior.

**HUSR 422 - Directed Studies in Human Services (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**HUSR 460 - Community Resources for Older Adults (3)**

Community-based learning required. Review needs of older persons in the community and evaluate the continuum of long-term care resources available, service gaps, program models, and funding mechanisms.

**HUSR 475 - Psychiatric Rehabilitation (3)**

This course will allow students to develop an understanding of psychiatric rehabilitation, as well as demonstrate the applicability of this topic for human service, counseling, and/or rehabilitation professionals.

Class Restriction: Include Junior and Senior.

**HUSR 492 - Internship in Human Services (1 - 15)**

Supervised experience in health and human services organizations allows students to apply concepts of direct service, management and leadership. Note: A criminal record may disqualify students from taking this course. S/U graded.

Prerequisite: GPA-2.0. Repeatable Status: Course is repeatable with a maximum of 15 credit hours.

**HUSR 495 - Special Topics in Human Services (1-4)**

Course designed to investigate a specific aspect of Human Services.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**IEP - Intensive English Program****IEP 010 - Low-Basic Speaking & Listening (2)**

This class introduces students to conversation strategies to enable oral communication about familiar topics, introduces listening strategies to understand information presented in dialogues and to follow basic instructions. Strategies to improve pronunciation are also introduced.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 011 - Low-Basic Writing (2)**

This course's primary focus is the structure of a sentence. Students learn the parts of a sentence and practice writing at that level. Capitalization rules and the rules of end punctuation are also introduced and practiced.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 013 - Low-Basic Grammar (2)**

The primary focus of this course is understanding basic English grammar beginning with the verb form of "be" in the present and past tenses. In addition, students will be introduced to the uses of the simple present tense as well as to personal pronouns, possessives and adjectives.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 014 - Low-Basic Reading & Vocabulary (2)**

In this course, students are introduced to reading through the study of phonics. In addition, basic strategies for decoding words and recognizing parts of speech are introduced.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 020 - High-Basic Speaking & Listening (2)**

This course continues and expands basic conversation strategies. Students learn strategies for eliciting details and prolonging conversations. The information presented in recorded dialogues becomes more detailed and complex. Strategies to improve specific pronunciation errors are introduced.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 021 - High-Basic Writing (2)**

This course continues to work at the sentence level, introducing compound sentences to the students. Students are also introduced to paragraph writing and practice producing the components of an academic paragraph: a topic sentence, supporting sentence, and a concluding sentence.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 023 - High-Basic Grammar (2)**

The primary focus of this class is the introduction of the present simple and progressive tenses, as well as the simple past of regular and irregular verbs, and the introduction of count and non-count nouns. Additionally, this course is designed to reinforce the simple sentence structure for the students to be able to discuss/write about everyday events: school, shopping, leisure etc.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 024 - High-Basic Reading & Vocabulary (2)**

In this course, students will complete their study of phonics and read simple fiction and non-fiction texts. They will be introduced to the reading strategies such as predicting and scanning.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 025 - English Pronunciation (1)**

This course is for low-advanced and advanced students in the IEP who would like to improve their phonetic and pronunciation (oral fluency) skills in English. Students will be trained to readjust their speech organs in order to minimize the influence of their native language sound system and improve their ability to distinguish and produce English sounds. Additionally, students will work on their oral fluency in English. Therefore, students will be introduced to articulatory and auditory phonetics in their applied forms.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 030 - Low-Intermediate Speaking & Listening (2)**

This course introduces the listening and speaking skills needed to succeed at an American university. Areas covered include pronunciation and fluency, critical thinking and listening strategies, in class and lecture note taking, class discussion and presentations, and vocabulary building.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 031 - Low-Intermediate Writing (2)**

This course focuses on writing effective academic paragraphs. Students learn the distinction between informal and academic writing, academic paragraph format and organization, and essential steps of the writing process. Students also learn to produce paragraphs in the rhetorical styles of narration, description, and process (and possibly opinion or example if time permits). Students will be introduced to the concepts of logical division of ideas, coherence, and transition signals. Students are expected to demonstrate improvement in spelling and vocabulary, punctuation, and grammar.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 033 - Low-Intermediate Grammar (2)**

Students will show competency in the use of the present and past, including progressive forms of these tenses as well as recognize the use of the simple future tense. In addition, basic modal verbs are introduced to practice expressions related to possibility, ability, and asking for permission.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 034 - Low-Intermediate Reading & Vocabulary (2)**

This course introduces the reading skills and vocabulary needed to succeed at an American university. Areas covered include developing vocabulary skills; identifying and using critical thinking, reading and vocabulary strategies; using rapid reading practices; and applying all strategies and vocabulary to reading comprehension and independent reading.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 040 - High-Intermediate Speaking & Listening (2)**

In this class, students continue to develop the skills and strategies needed for academic success. Students prepare several presentations and practice their discussion skills. Development of note-taking strategies remains a focus of this course. Proper intonation and stress skills when speaking are practiced.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 041 - High-Intermediate Writing (2)**

This course focuses on writing effective academic paragraphs. Students learn the distinction between informal and academic writing, academic paragraph format and organization, and essential steps of the writing process. Students also learn to produce paragraphs in the rhetorical styles of narration, description, and process (and possibly opinion or example if time permits). Students will be introduced to the concepts of logical division of ideas, coherence, and transition signals. Students are expected to demonstrate improvement in spelling and vocabulary, punctuation, and grammar.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 043 - High-Intermediate Grammar (2)**

This class introduces the uses of the present perfect as well as the more advanced comparative aspects of adjectives and adverbs. Gerunds and infinitives as well as nouns, quantifiers and articles are also studied.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 044 - High-Intermediate Reading & Vocabulary (2)**

This course builds and increases academic reading skills that are most useful for university students. It includes significant amounts of reading, and increasing variety of text types, academic vocabulary, and academic subject matter.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 050 - Low-Advanced Speaking & Listening (2)**

In this class, students will continue to develop the skills to succeed in academic settings. Formal and informal presentations, discussion participation and leadership, and offering and defending opinions on relevant topics form the core of this course. Note-taking skills are further polished while pronunciation skills continue to be developed.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 051 - Low-Advanced Writing (2)**

This course's primary focus is continued practice writing an academic five-paragraph essay. It is also an introduction to writing academic research summaries and employing paraphrasing and quotations within the summary.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 053 - Low-Advanced Grammar (2)**

The primary focus of this course is to review and expand present and past and future tense forms. In addition students will be introduced to indirect speech and embedded questions.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 054 - Low-Advanced Reading & Vocabulary (2)**

In this course, students will improve their ability to effectively comprehend academic texts. They will demonstrate a variety of predicting and reading strategies.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 055 - Academic Vocabulary (1)**

This course is designed to improve academic vocabulary using the Academic Word List through reading, writing, listening and speaking exercises. It was developed to help college level students learn the vocabulary and the learning strategies needed to succeed in university level coursework.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 060 - High-Advanced Speaking & Listening (2)**

This course introduces students to authentic speech from professional presentations and formal debates. Students will learn the pragmatic strategies to communicate effectively in class discussions while differentiation between neutral formal and informal registers. Furthermore, students will learn to approach their study of English vocabulary through a multitude of strategies that include: manipulating morphemes to form various forms of vocabulary words, studying grammatical and syntactic structures which are used to form sentences with the target vocabulary words, and finally using the Corpus of Contemporary American English to use target vocabulary words in natural spoken and written text. Lastly, students will build presentation skills by delivering both impromptu and formal researched presentations in collaboration with their peers.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 061 - High-Advanced Writing (2)**

At the completion of this course, students will be able to identify the steps of the writing process and specific skills used to produce academic essays, which include supporting information in the form of quotations, summary, response, and paraphrase. Students will also become acquainted with integrating this information to construct a college level paper. Students will become familiar with the rules of in-text citation and correct citation of sources, and basic APA format requirements. As part of this course, students will develop awareness about academic journal articles, locating them in the library, and becoming familiar with the separate sections of these kinds of articles. They will continue to expand their academic vocabulary as well as to improve their revision and editing skills. This course's primary focus is to produce as academic essay using the rhetorical pattern of argumentation, including planning, researching, writing and revising.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 063 - High-Advanced Grammar (2)**

This course is a part of a skills based Intensive English program designed to help students prepare for academic success when they enter the university system. The primary focus of this course is the use of conditionals and adjective clauses. The use of modal verbs and the passive is reviewed.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 064 - High-Advanced Reading & Vocabulary (2)**

This course actively involves students, through a combination of group work and individual assignments, in their continued development of the reading and vocabulary skills needed to succeed at an American university. The reading material includes a variety of academic and journalistic materials, utilizing a variety of strategies for further comprehension. The texts include academic, fiction and non-fiction.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 070 - Graduate Oral Presentation (2)**

This course is for advanced students of English who need to work on using academic vocabulary, pronunciation and high-level presentation skills. Students will demonstrate competency in their ability to compile and present research-based information in oral presentations. Students will identify and improve pronunciation errors, think critically, and use high-level academic vocabulary.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 071 - Graduate Research Writing (2)**

This course focuses upon writing an effective academic research paper. Students will learn to follow appropriate research format and will produce a final paper containing convincing academic research. Students will also be introduced to the specificity of the language used in scientific studies/ research papers.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**IEP 095 - Academic Vocabulary II (1)**

This course is for Advanced level Intensive English students and its purpose is to give international students exposure and explicit instruction with high-level academic vocabulary from a variety of subject areas including Education, Computer Information Systems, and Psychology.

Offered: Generally offered Fall, Spring, and/or Summer Annually.

**INTR - ASL-English Interpretation Program**

College of Education and Behavioral Sciences

*Department of ASL & Interpreting Studies (p. 77)*

**INTR 100 - Strategies for ASL English Interpretation Success (1)**

This course provides an overview of the interpreting profession while preparing students to successfully utilize the technology used in the ASL English interpreting program. Students will also identify effective time management skills and apply various styles of learning.

Offered: Generally offered Fall Annually. Program Restrictions: Include . Major/Minor Restriction: Include American Sign Language English Interpretation Major(s).

**INTR 101 - ASL V (3)**

This lecture/lab course focuses on the analysis and application of specific parameters of ASL, such as: classifiers, non-manual markers, Finger spelling and numbers.

Major/Minor Restriction: Include American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s). Course Fee: Course Fee Required.

**INTR 102 - ASL VI (3)**

This lecture/lab course will increase the student's use of grammatical features of ASL, and introduce new grammatical features, such as the complex use of spatial structuring and register variations.

Prerequisite: INTR 101 with a minimum grade of D-. Major/Minor Restriction: Include American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s). Course Fee: Course Fee Required.

**INTR 103 - ASL for Interpreters I (3)**

This course will focus on the development of grammatical, syntactic and semantic competence in ASL with particular attention to narrative discourse.

Prerequisite: INTR 102 with a minimum grade of D-. Major/Minor Restriction: Include American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s).

**INTR 111 - ASL Linguistics (3)**

Investigates the structural properties of ASL including phonology, morphology, syntax, semantics, and discourse. Focus is given to how visual languages differ and are similar to spoken languages.

**INTR 112 - Theory and Practice of Interpreting (3)**

This course examines the work of interpreters from a variety of theories relating to role, function and process and provides an understanding of how these theories impact day-to-day interpreting work.

**INTR 113 - Discourse Analysis (3)**

In this course, students study discourse by analyzing the context and intentions of the people within various communication events.

**INTR 115 - Portfolio Assessment 1 (1)**

In this course, students are presented with a structured method for synthesizing evidence of learning and accomplishments into a format collection or portfolio.

**INTR 201 - Ethics for Interpreters (3)**

This course serves as an introduction to critical ethical constructs in social and applied professional decision making within the field of interpreting. Following the introduction of ethics in society, which includes topics related to moral and ethical issues individuals face in society, students will then examine the ethical decision making of professional interpreters. Concepts explored in this course will include, the meaning of ethics, values and principles that inform decision making, an understanding of what are the challenging to ethical decision making; codes of ethics of interpreters, guiding principles and values of the interpreting field and the Deaf community, among others.

**INTR 204 - ASL for Interpreters II (3)**

This course will focus on the continued development of grammatical, syntactic and semantic competence in ASL with particular attention to discourse including all levels of ASL register.

Prerequisite: INTR 103 with a minimum grade of D-. Major/Minor Restriction: Include American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s).

**INTR 205 - ASL Self-Directed Lab (1)**

This lab focuses on receptive and expressive competence in ASL with particular attention to the application of numbering and fingerspelling in ASL and other features specific to the student's linguistic profile. In addition to fingerspelling and numbering, students select areas of focus based on self-analysis completed in INTR 204.

**INTR 206 - Meaning Transfer Skills for Interpreters (3)**

In this translation skills course, students will analyze English and ASL texts in an effort to produce a cross cultural, dynamic translation inclusive of appropriate lexical and linguistic features across various registers. Students will examine and apply theories of meaning transfer and demonstrate readiness to begin interpreting theory and practice skills development courses.

Prerequisite: INTR 204 with a minimum grade of D-.

**INTR 210 - ASL and English Contrastive Analysis (2)**

Student compares and contrasts the differences between ASL and English texts with attention to discourse markers, tense, pronominalization, role shifting, cohesion, coherence, topic shifts, nonverbal/non-manual behavior, affect and register.

**INTR 211 - Critical Thinking and Analysis Skills for Interpreters (3)**

Through application of the Demand-Control Schema, students explore and negotiate the contexts in which interpreting occurs, question roles and responsibilities, and address situational issues arising in mediated communication events.

**INTR 215 - Portfolio Assessment 2 (1)**

In this course, students continue developing their professional portfolio with emphasis on evidence in Domain 4 (Interpreting Skills) and Domain 2 (Human Relations).

**INTR 220 - Introduction to Consecutive Interpreting: Skills Development (3)**

This lecture/lab course engages students in the development of consecutive interpreting skills, focusing on further development of processing skills associated with interpreting.

**INTR 230 - Research Methods in Interpretation (1)**

This course introduces the purposes, values, designs and methods of research in ASL English interpretation.

Prerequisite: INTR 206 with a minimum grade of D-. Major/Minor Restriction: Include American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s).

**INTR 245 - Interpreting Skills & Theory I (5)**

In this lecture/lab course, students are introduced to the process and practice of interpreting between ASL and English. Students will prepare for and interpret a variety of texts which will be analyzed to identify factors influencing best choices to achieve linguistically and culturally accurate meaning transfer.

Prerequisite: INTR 206 with a minimum grade of B.

**INTR 311 - Community and Identity: A Service Learning Experience (2)**

Students explore the structure of community and how involvement in community contributes to self-awareness, identity, human relations and civic responsibility.

**INTR 312 - Intercultural Communication (3)**

This course focuses on discourse and interpreting in a cultural context. Students examine definitions of culture and how identity and culture orientation contribute to conflict/ contact in cross-cultural situations.

**INTR 315 - Portfolio Assessment 3 (1)**

In this course, students continue developing their professional portfolio with emphasis on evidence in Domain 5 (Professionalism) and a review of evidence in all Domains.

**INTR 320 - Introduction to Simultaneous Interpreting (3)**

This lecture/lab course engages students in the development of simultaneous interpreting skills, focusing on further development of the dual tasking skills associated with interpreting.

**INTR 321 - Consecutive Interpreting Skills Lab I (2)**

This lab focuses on the mental processing skills of consecutive interpretation including visualization, listening and comprehending, shadowing, paraphrasing, abstracting, dual task training and close skills.

**INTR 322 - Consecutive Interpreting Skills Lab II (2)**

This lab focuses on the application of interpreting skills to a variety of texts involving variables that must be managed by the student as part of the interpreting process.

**INTR 323 - Simultaneous Interpreting Skills Lab I (2)**

This lab focuses on the application of interpreting skills with increasing difficulty based on the complexity of factors to be managed by the student as part of the interpreting process.

**INTR 330 - Observation-Supervision (3)**

Coursework examines the settings in which interpreting occurs and engages students in the systematic analysis of factors impacting different settings through the lens of the Demand-Control Schema. Students will shadow working interpreters to observe the roles and responsibilities of professional interpreters in a variety of settings.

**INTR 331 - Observation-Supervision 2 (2)**

Students examine interpreting settings and shadow working interpreters for the purpose of further and deeper analysis of factors impacting different settings through the lens of the Demand-Control Schema.



**INTR 345 - Interpreting Skills & Theory II (6)**

In this lecture/lab course, students will build on the process and practice of interpreting between ASL and English with increasing complexity. Students will prepare for and interpret a variety of texts which will be analyzed to identify factors influencing best choices to achieve linguistically and culturally accurate meaning transfer.

This course includes an investigation into current theories and research in the field of ASL English interpretation and introduces team interpretation including the work specific to deaf/nondeaf interpreting teams.

Prerequisite: INTR 245 with a minimum grade of D-.

**INTR 355 - Interpreting Skills & Theory III (3)**

In this intermediate lecture/lab course, students will continue building on the process and practice of interpreting with a focus on interpreting from ASL to English. Students will prepare for and interpret a variety of texts which will be analyzed to identify factors influencing best choices to achieve linguistically and culturally accurate meaning transfer. Students will also be introduced to interpreting that is delivered via distance technologies.

Prerequisite: INTR 345 with a minimum grade of D-.

**INTR 401 - Professional Decision-Making for Interpreters (3)**

This course engages students in an exploration of professional identity and becoming part of a profession, focusing on the application of ethical standards and practices to the profession.

**INTR 405 - Supervision of Interpreting Systems (3)**

This course focuses on supervision of interpreting systems. Students examine core skills shared by supervisors and analyze strategies that promote effective communication and resolve conflict in the workplace.

**INTR 406 - Leadership in Interpreting (3)**

This course introduces the major theories and concepts of leadership and their application to the field of interpreting and explores the link between leadership, ethics, and values.

**INTR 415 - Portfolio Assessment IV (1)**

Students will complete and submit a capstone Entry-to-Practice Competencies Portfolio for summative evaluation.

Prerequisite: (INTR 115 and INTR 215 and INTR 315 with a minimum grade of D-). Major/Minor Restriction: Include American Sign Lang-Eng Interpr (and) American Sign Lang Eng Interpr Major(s).

**INTR 425 - Simultaneous Interpreting Skills Lab II (2)**

This lab continues the application of interpreting skills with increasing difficulty based on the complexity of factors to be managed by the student as part of the interpreting process.

**INTR 426 - Simultaneous Interpreting Skills Lab III (2)**

This lab continues the application of interpreting skills with increasing difficulty based on the complexity of factors to be managed by the student as part of the interpreting process.

**INTR 430 - Introduction to School Interpreting (3)**

This lecture/lab course introduces school interpreting in the U.S. Students engage in activities focusing on the school system and practices, curriculum structures, and educational discourse as they apply to K-12 student needs.

Prerequisite: INTR 245 with a minimum grade of a B.

Offered: Generally offered Fall Annually. Program Restrictions: Include .

**INTR 431 - Systems and Structures for School Interpreting (3)**

This lecture/lab course investigates school systems/structures, including federal, state, district, and school levels. Students engage in systems thinking and team collaboration activities of school interpreters supporting deaf and hard of hearing students.

Prerequisite: INTR 430 with a minimum grade of a B.

Offered: Generally offered Spring Annually..

**INTR 432 - An Interdisciplinary Approach to School Interpreting I (3)**

This lecture/lab course explores the roles/responsibilities of educational team members. Students engage in interpreting activities fostering interpersonal skills, communication techniques, and ethical decision-making based on student needs and school structures.

Prerequisite: Prerequisite INTR 431 with a minimum grade of a B. Offered: Generally offered Fall Annually.

**INTR 433 - Communication Assessment for School Interpreting (3)**

This lecture/lab course investigates child/language development and associated communication modes. Students engage in activities that support K-12 accommodations and communication access used by deaf students in public school settings.

Prerequisite: Concurrent prerequisite INTR 432 with a minimum grade of a B. Offered: Generally offered Fall Annually.

**INTR 434 - An Interdisciplinary Approach to School Interpreting II (3)**

This lecture/lab course analyzes the multifaceted work of school interpreters. Students engage in activities expected of school interpreters as integrated members of the educational team.

Prerequisite: Prerequisite INTR 433 with a minimum grade of a B. Offered: Generally offered Spring Annually.

**INTR 440 - Interpreting in Community Settings (3)**

This lecture/lab course focuses on the nature and structure of interpreting in community settings. Students engage in a range of skill development activities that increase interpreting competence in a variety of community settings such as social service, employment, vocational rehabilitation, medical, mental health, VRS/VRI and more.

Prerequisite: INTR 245 with a minimum grade of D-.

**INTR 441 - Community Interpreting Skill Development 1 (3)**

This skills course focuses on community based interpreting. Students engage in a range of skill development activities that increase interpreting competence in social service, employment, and medical settings.

**INTR 442 - Community Interpreting Skill Development 2 (3)**

Students engage in a range of skill development activities that increase interpreting competence in mental health, vocational rehabilitation, recreational, and performing arts settings.

**INTR 443 - Interpreting Via Distance Technologies (3)**

Students will engage in range of skill development activities that increase interpreting competence as applied and delivered through distance technologies.

**INTR 445 - Interpreting Skills & Theory IV (5)**

In this intermediate to advanced level lecture/lab course, students will continue building on the process and practice of interpreting between ASL and English with an emphasis on modifying their interpretation based on consumer preferences and/or needs, including Deafblind, language used by individuals from diverse backgrounds, and strategies for identifying atypical language users. Students will be presented with increasingly complex recorded and live scenarios and settings.

Prerequisite: INTR 355 with a minimum grade of D-.

**INTR 449 - Senior Seminar (1)**

This course prepares students for their senior year by providing an overview of the upcoming Entry-to-Practice Profile and outlines tasks students must complete and benchmarks that must be met to successfully complete Senior Capstone and Internship coursework.

Prerequisite: Concurrent Prerequisite INTR 445 with a minimum grade of D-.

**INTR 450 - Senior Capstone (3)**

In this seminar-style course, students will create, present and defend their Entry-to-Practice Profile toward demonstrating cumulative skills, knowledge, and attitudes required for work readiness as an entry-level interpreter.

Prerequisite: (INTR 445 and INTR 449 with a minimum grade of D-).

**INTR 460 - The Dimensions of Ethical Decision Making for Interpreters (3)**

This course will address the central issues of moral philosophy from the perspective of leadership studies. It seeks to identify and understand moral challenges that are peculiar to leaders.

**INTR 461 - Conducting Diagnostic Assessments for ASL-English Interpreters (3)**

This course provides supervisors of interpreters, lead interpreters and/or mentors with a common system of miscue/error and feature analysis needed to conduct systematic skills performance assessments.

**INTR 470 - Skill Performance Assessment for Working Interpreters (3)**

Introduces diagnostic assessment of student work, self-assessment/peer review, to identify patterns of performance for accurate/reliable interpretation (ASL to English/English to ASL), discourse analysis, and skill development in semantic awareness/equivalence.

**INTR 471 - Skill Development for Working Interpreters I (3)**

Addresses skill development through guided learning and practice activities, online discussion, self-assessment, peer review, feedback; explores resources available for skill development; applies principles of discourse analysis/content mapping.

**INTR 472 - Skills Development for Working Interpreters II (3)**

Continued skill development/practice in interpreting (ASL to English/English to ASL); development of post-diagnostic assessment to identify competency progress; and generation of plan for continued skill development.

**INTR 480 - Overview of Interpreting in the American Judicial System (4)**

Provides legal foundation for interpreting services within the American legal system and gives overview of the civil and criminal process, roles and responsibilities.

**INTR 481 - Civil Litigation (3)**

Provides foundation in civil law, procedure and systems (overview of family/juvenile courts, role of arbitration/mediation, interpretation of contracts/depositions/interrogatories, expert witnesses) and language used in legal interpreting practice.

**INTR 482 - Criminal Law (4)**

Provides expanded investigation of criminal law and procedure, providing students with further awareness and understanding of complexities and nuances of criminal court system and legal language/procedures used within the system.

**INTR 483 - Skills Development for Legal Interpreters (3)**

This course provides the student with a firm foundation in the tasks of interpreting legal texts and guides the practicum experience.

Prerequisite: (INTR 480 and INTR 481 and INTR 482 with a minimum grade of D-).

**INTR 485 - Internship for Legal Interpreters (1)**

This course will engage the student in a 55-hour, field-based experience that provides for the application of the skills, knowledge and attitudes that constitute interpreting in the American Judicial System.

Prerequisite: (INTR 480 and INTR 481 and INTR 482 and INTR 483 with a minimum grade of D-).

**INTR 492 - Internship for Interpreters (3)**

Students will work within a range of interpreting settings, such as educational, social services, personal business, health care and civic/recreational under the supervision of a certified mentor.

**JAPN - Japanese**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**JAPN 101 - Elementary Japanese I (5)**

For students with no previous Japanese. Conversational Japanese using oral techniques with reading and writing skills. Stresses comprehension, structure, pronunciation, fluency and cultural awareness.

**JAPN 102 - Elementary Japanese II (5)**

Conversational Japanese using oral techniques with reading and writing drills. Stresses comprehension, structure, pronunciation, fluency and cultural awareness.

Prerequisite: JAPN 101 with a minimum grade of D-.

**JAPN 116 - Contemporary Japan (3)**

Become familiar with the culture and society of Japan with special emphasis on contemporary Japanese issues. Conducted in English.

**JAPN 201 - Intermediate Japanese I (3)**

Review language structures and develop reading and writing skills. Gain vocabulary through conversational practice on topics of cultural interest. Conducted in Japanese.

Prerequisite: JAPN 102 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**JAPN 202 - Intermediate Japanese II (3)**

Review language structures and develop reading and writing skills. Gain vocabulary. Conducted in Japanese.

Prerequisite: JAPN 201 with a minimum grade of D-.  
Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**JAPN 301 - Japan and the Japanese I (3)**

Students increase knowledge of Japanese language structure and grammar, build vocabulary, and become familiar with major events, figures, and literature of Japanese history from ancient through Heian period (774-1185).

Prerequisite: JAPN 202 with a minimum grade of D-.

**JAPN 302 - Japan and the Japanese II (3)**

In this class, students will discuss various topics in Japanese to gain the extended vocabulary and cultural knowledge. Students will increase knowledge of Japanese language structure through the speaking, listening, reading, and writing activities. Conducted in Japanese.

Prerequisite: JAPN 202 with a minimum grade of D-.

**JAPN 407 - Japanese for Oral Proficiency (3)**

Develop oral proficiency in Japanese by practicing intermediate-high and advanced linguistic functions, speaking on a variety of topics. This course prepares students for Oral Proficiency Interviews (OPI).

Prerequisite: JAPN 202 with a minimum grade of D-.  
Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**JAPN 412 - Japanese Language and Society (3)**

Investigate the Japanese language in its relation to contemporary Japanese society and culture. Students will broaden their understanding of the Japanese language and master its contextually appropriate use for a broad variety of social circumstances and interactions.

**JAPN 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**JAPN 450 - Japanese Literature (3)**

Read and analyze Japanese literature; situate literature in cultural, intellectual and historical contexts; become familiar with primary sources, acquire skills to conduct research and write compositions in Japanese.

Prerequisite: JAPN 202 with a minimum grade of D-.  
Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**JMS - Journalism and Media Studies**

College of Humanities and Social Sciences

*Department of Communication & Journalism (p. 82)*

**JMS 100 - Introduction to Journalism and Media Studies (3)**

The economic, social and legal forces shaping media content and function today; overview of media industries and careers.

**JMS 210 - Media Writing (3)**

An introduction to researching, reporting and writing for various media channels, including print, broadcast and online news; public relations; and advertising. Attention paid to the importance of the First Amendment.

Course Fee: Course Fee Required.

**JMS 212 - Visual Media (3)**

Learn how to combine text, images and audio for publication in print and online. Emphasis on online and social media.

Course Fee: Course Fee Required.

**JMS 215 - Social Media Storytelling (3)**

This course will instruct students on best practices, ethical considerations and efficient storytelling leveraging digital social media platforms such as Twitter, TikTok, Facebook, Snapchat and others. Students will learn to navigate these spaces and develop storytelling tactics purposefully tailored for the different "flavors" of social media platforms.

**JMS 310 - News Reporting and Writing (3)**

Intermediate reporting and writing for print, broadcast and online news. Focus on publication of stories on government and current issue coverage.

Prerequisite: JMS 210 with a minimum grade of C.  
Major/Minor Restriction: Include Journalism Major(s).  
Course Fee: Course Fee Required.

**JMS 312 - Digital Storytelling (3)**

Students will develop successful visual storytelling skills to prepare them for careers in broadcast television, post production house and digital publications. Students will produce electric news gathering style news packages, increase their speed in video editing, and understand how to script news packages, develop active voice writing skills.

Prerequisite: (JMS 210 and JMS 212 with a minimum grade of C). Major/Minor Restriction: Include Journalism (and) Media Studies Major(s)/Minor(s). Course Fee: Course Fee Required.

**JMS 315 - Sports Reporting (3)**

How to report and write about sports. Emphasis on what constitutes sports news and both the uniqueness of sports journalism and how it is similar to other beats.

Prerequisite: JMS 210 with a minimum grade of C.  
Major/Minor Restriction: Include Journalism (and) Media Studies Major(s)/Minor(s).

**JMS 342 - Video Production (4)**

Learn the terminology, procedures and skills of basic studio television production. Application of techniques to the production of programs.

Prerequisite: (JMS 210 and JMS 212 with a minimum grade of C). Major/Minor Restriction: Include Journalism Major(s). Course Fee: Course Fee Required.

**JMS 345 - Introduction to Public Relations (3)**

This course provides a foundational understanding of public relations with a focus on the creation, dissemination and measurement of strategic messages. Topics examined include social corporate responsibility, crisis management, media management and social media. The course also explores the variety of PR career paths.

**JMS 350 - News Editing (3)**

Learn how to present stories and graphics that are factual, clear and appealing and that follow the guidelines of journalistic style and integrity. Focus on copy editing and graphic design.

Prerequisite: JMS 310 with a minimum grade of C. Major/Minor Restriction: Include Journalism Major(s). Course Fee: Course Fee Required.

**JMS 380 - Public Relations Techniques (3)**

This is a hands-on course that reviews the tools available for PR practitioners to disseminate their message including media kits, campaigns, PSAs, blogs, podcasts, social media posts and everything else in between all while working with a real-life client to enrich classroom learning.

Prerequisite: (JMS 210 with a minimum grade of C) and (JMS 345 or JMC 345 with a minimum grade of C).

**JMS 385 - Media Planning and Research (3)**

A managerial approach to the study of media research and media planning strategies. Methods and procedures used in the planning and evaluation of the media mix will be examined.

Prerequisite: (JMS 345 or JMC 345 with a minimum grade of C). Major/Minor Restriction: Include Journalism Major(s).

**JMS 390 - Impact of Mass Media on Society (3)**

The effects and roles of media content and media industries in contemporary society, the current state of media effects theory and research.

**JMS 397 - History of Mass Media (3)**

Survey of the cultural, technological and economic evolution of the mass media, with emphasis on issues and trends in mass-mediated communications.

Class Restriction: Include Junior and Senior.

**JMS 404 - Practicum (1-3)**

Incorporate advanced discipline-specific skills working for UNC student-run media.

Prerequisite: (JMS 342 or JMS 351 with a minimum grade of C). Major/Minor Restriction: Include Journalism Major(s). Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

**JMS 410 - Advanced News (3)**

Advanced reporting and writing for print, broadcast and online news. Emphasis on beat coverage, in-depth feature stories and opinion writing.

Prerequisite: (JMS 342 and JMS 350 with a minimum grade of C). Major/Minor Restriction: Include Journalism Major(s). Course Fee: Course Fee Required.

**JMS 415 - Social Media Campaigns (3)**

This course is dedicated to exploring social technologies that are influencing business, media, marketing, public relations and advertising practices as well as research practices. With hands-on application as the course delivery method, this course acquaints you with practical knowledge and analytical skills necessary to create, evaluate, and execute social media campaigns. The current social media job landscape and potential employment opportunities for the future are examined.

Prerequisite: (JMS 215 and JMS 380 with a minimum grade of C). Major/Minor Restriction: Include Journalism (and) Media Studies Major(s)/Minor(s). Course Fee: Course Fee Required.

**JMS 416 - Documentary Production (3)**

This course introduces students to journalistic-based narrative nonfiction storytelling. The emphasis will be on quality and compelling storytelling for both web and television/film festival audiences. The course covers, in depth, the production (pre and post) involved in developing long-form video storytelling.

Special Notes: Consent of instructor required.

Course Fee: Course Fee Required.

**JMS 422 - Directed Study (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Major/Minor Restriction: Include Journalism Major(s).  
Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with a maximum of 10 credit hours.

**JMS 450 - News Production (4)**

Employ skills learned in previous JMS courses to produce a weekly online news magazine combining print, video, audio, photographs, interactive graphics, and social media.

Prerequisite: (JMS 350 and JMS 410 with a minimum grade of C). Major/Minor Restriction: Include Journalism Major(s). Course Fee: Course Fee Required.

**JMS 460 - Media Management (3)**

Examine policies, procedures, and responsibilities within media industries today.

Prerequisite: JMS 100 with a minimum grade of C.  
Major/Minor Restriction: Include Journalism Major(s).

**JMS 481 - Public Relations Campaigns (3)**

This course brings together all learning concepts from JMS classes, specifically PR classes to give students hands-on professional experience developing comprehensive PR campaigns for actual clients and planning and executing a community event.

Prerequisite: (JMS 380 and JMS 385 with a minimum grade of C).

**JMS 485 - Media Ethics (3)**

Explores ethical theory and ethical decision-making tools as they relate to dilemmas in the media professions.

Prerequisite: JMS 100 with a minimum grade of C.  
Major/Minor Restriction: Include Journalism (and) Media Studies Major(s)/Minor(s).

**JMS 490 - Television Criticism (3)**

Critically evaluate television's performance as an informative, persuasive entertaining, socializing, and culture-transmitting medium.

**JMS 492 - Internship (1-3)**

Supervised work experience in a professional media organization appropriate for the discipline.

Prerequisite: (JMS 342 or JMS 351 with a minimum grade of C). Major/Minor Restriction: Include Journalism Major(s). Repeatable Status: Course is repeatable with a maximum of 3 credit hours.

**JMS 495 - Special Topics (1-3)**

Current issues or problems in journalism and media studies.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Course Fee Required.

**JMS 497 - Media Law (3)**

Current and perennial ethical and legal issues in journalism and media studies that affect journalists, media management and the public.

**LEAD - Leadership**

College of Humanities and Social Sciences

*Leadership Studies Program (p. 88)*

**LEAD 100 - Fundamentals of Leadership (3)**

An examination of the contemporary approaches in leadership as they manifest in the local, national, and global communities. Special emphasis is placed on students' ability to develop and apply cultural fluency through a leadership perspective in the afore mentioned contexts and communities.

**LEAD 200 - Strategic Leadership (3)**

This course, which provides experiential learning opportunities, explores the core concepts of risk and change that inform the complex nature of engaged leadership in local, national, and international contexts.

**LEAD 492 - Leadership Internship (3)**

This course is designed to provide students with rich, engaged learning opportunities in professional settings. Through meaningful contribution to on- and off-campus organizations and critical reflection, students have the opportunity grow as individuals and valuable community members.

Prerequisite: (LEAD 100 and LEAD 200 with a minimum grade of D-). Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**LEAD 495 - Special Topics in Leadership (3)**

Study for undergraduate students in various topics of leadership.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

### **LEAD 497 - Senior Leadership Seminar (3)**

This course is designed to provide an opportunity for students to synthesize information learned throughout the program by focusing on application in a global justice and responsiveness contexts.

Prerequisite: (LEAD 100 and LEAD 200 and LEAD 492 with a minimum grade of D-). Class Restriction: Include Senior.

## **LIB - Libraries University**

*University Libraries (p. 106)*

### **LIB 123 - Introduction to Library Research (1)**

Enrollment restricted to Center for Human Enrichment participants. This course introduces effective library research techniques designed to increase the student's ability to identify, access, and evaluate information. Students will be prepared to participate in scholarly discourse throughout their academic and post graduate careers.

### **LIB 150 - Introduction to Undergraduate Research (1)**

This course introduces effective library research techniques designed to increase the student's ability to identify, access, and evaluate information. Students will be prepared to participate in scholarly discourse throughout their academic and post graduate careers.

### **LIB 151 - Research Skills for Beginning Researchers (1)**

This course introduces effective library research techniques designed to increase the student's ability to identify, access, and evaluate information. Students will be prepared to participate in scholarly discourse throughout their academic and post graduate careers.

### **LIB 160 - Criminal Justice Library Research (1)**

This course introduces effective library research techniques designed to increase the student's ability to identify, access, and evaluate information. Students will be prepared to participate in scholarly discourse throughout their academic and post graduate careers.

Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Criminal Justice (and) Criminology & Criminal Justice Major(s).

### **LIB 170 - Audiology & Speech Language Sciences Library Research (1)**

This course introduces effective library research techniques designed to increase the student's ability to identify, access, and evaluate information. Students will be prepared to participate in scholarly discourse throughout their academic and post graduate careers.

Major/Minor Restriction: Include Audiology/Speech Language Science Major(s).

### **LIB 180 - History Library Research (1)**

This course introduces effective library research techniques designed to increase the student's ability to identify, access, and evaluation information. Student will be prepared to participate in scholarly discourse throughout their academic and post graduate careers.

Corequisite: HIST 280. Major/Minor Restriction: Include History Major(s).

### **LIB 251 - Research as Inquiry: Exploration for Beginning Researchers (1)**

Students will gain advanced skills in evaluating, organizing, and analyzing information while beginning to review the literature on a topic of their choice.

Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior.

### **LIB 392 - Internship (1-3)**

Provides opportunities for students to obtain practical experience with supervised, but self-directed, scholarly research.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

### **LIB 395 - Special Topics in Information Science (1-3)**

Opportunities to explore the knowledge base and theoretical framework (and its application) of information in specific fields of study.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

## MAS - Mexican American Studies

College of Humanities and Social Sciences

*Department of Chicana/o and Latinx Studies (p. 82)*

### **MAS 100 - Introduction to Mexican American Studies (3)**

Introduces issues impacting the Mexican American populations. Provides an overview of issues in education, gender, demographics, health, immigration and border patterns, and the environment.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

### **MAS 101 - Careers in Mexican American Studies (1)**

Explore career options for Mexican American Studies majors.

### **MAS 110 - Contemporary Chicano Literature (3)**

Provides students with understanding of literature written by Chicano authors. Focus on major works of fiction, theater, poetry, autobiography. Socio-historical context plus cultural images, style, structure, technique, themes studied.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and LAMS-Multicultural Studies and GT Literature.

### **MAS 225 - Latina/Latino History (3)**

Will examine the historical and historiographical trend lines of the Latino experience. Among the issues to be explored: identity, heritage, language, gender roles.

Offered: Generally offered Fall Annually. Course Attribute: LAH1-History and LAMS-Multicultural Studies and GT History.

### **MAS 275 - Education of Mexican American Students (3)**

The course will inform students who plan to teach about current research and knowledge concerning the schooling experience of Mexican American students.

### **MAS 280 - Topics in Chicana/Chicano Art and Culture (3)**

An in-depth study of issues and topics in Chicana/Chicano art and culture. May focus on specific periods, issues, forms, artists, and/or authors.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

### **MAS 301 - Mexican American Politics and Leadership (3)**

Examines the political behavior of Mexican American populations in the U.S. from 1950 to present. Provides students with an understanding of linkages between political behavior, electoral processes and public policy.

### **MAS 337 - Chicana/o Literature and Theory (3)**

In-depth study of contemporary Chicana/o literature and theory. Course will be thematic and will focus on the disciplinary and cultural connections between the literary, the aesthetic, and the theoretical.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

### **MAS 380 - US Mexico Immigration (3)**

This course examines bi-national issues affecting Mexican migration to the United States, including immigration laws, public policy and the socio-cultural impact of migration.

### **MAS 395 - Topics in Gender Issues (3)**

This course provides an in-depth examination of the impact of gender on all aspects of the lives of Mexican Americans.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 1 time.

### **MAS 420 - Chicana/o Civil Rights Movement (3)**

This course will examine cultural, social, historical, political and economic conditions which gave rise to the Chicana and Chicano Civil Rights Movement during the years 1950-1980.

### **MAS 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

### **MAS 446 - Chicana/o Theory (3)**

Examines various theories and methods utilized by Chicana/o scholars during the evolution of the discipline of Chicana/o Studies, exploring how these theories and methods have informed and continue to inform writing and research in Chicana/o Studies.



**MAS 450 - Internship in Mexican American Studies (4)**

Students volunteer with a local community service agency. Internship placements must be arranged and approved prior to the beginning of the internship.

Class Restriction: Include Junior and Senior.

**MAS 460 - Narco Corrido and Mexican Folk Culture (3)**

The course examines Mexican and Mexican American popular folk culture in the context of historical and contemporary issues.

**MATH - Mathematics**

College of Natural and Health Sciences

*School of Mathematical Sciences (p. 99)*

Please note: All students are required to complete a web-based placement assessment called ALEKS to determine readiness for entry-level mathematics and statistics courses unless they meet certain exceptions. These exceptions are based on various factors such as SAT or ACT scores or previously earned mathematics credit in college-level courses or developmental education courses at a community college. Please see the Exceptions page at the UNC Math Placement website for complete details. Entry-level mathematics and statistics courses that require the ALEKS assessment include MATH 120, MATH 124, MATH 125, MATH 127, MATH 131, MATH 171, and STAT 150. More information on ALEKS and a link to the assessment can be found at [www.unco.edu/nhs/mathematical-sciences/placement](http://www.unco.edu/nhs/mathematical-sciences/placement).

**MATH 102 - Success in the Mathematical Sciences (1)**

An introduction to academic life at UNC, the mathematical sciences majors, and careers in the mathematical sciences for incoming freshmen. S/U graded.

Major/Minor Restriction: Include Mathematics Major(s).  
Class Restriction: Include Freshman. Course Fee: Differential Tuition Required.

**MATH 115 - Trigonometry Workshop (1)**

Study circular functions and their applications, inverse trigonometric functions and identities. S/U graded.

Special Notes: Two years of high school algebra with a grade of C or better may be substituted for MATH 124.

Prerequisite: (MATH 124 with a minimum grade of C) and (ALEKS Test Score with a minimum score of 050). Course Fee: Differential Tuition Required.

**MATH 119 - Supplemental Mathematics for Liberal Arts (1)**

Provides supplemental academic support for students enrolled in Mathematics and Liberal Arts (MATH 120) including content review and study skills. Required course based on math placement index. S/U graded.

Corequisite: MATH 120. Major/Minor Restriction: Exclude Mathematics Major(s)/Minor(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MATH 120 - Mathematics and Liberal Arts (3)**

This course will develop quantitative literacy skills meaningful in society as an informed citizen and consumer. Topics focus on making decisions with: finances, quantitative representations, set theory, and logic.

Special Notes: High school GPA of 3.0 or higher.

Prerequisite: (ALEKS Test Score with a minimum score of 030 or (ALEKS Test Score with a minimum score of 000 and Concurrent Prerequisite MATH 119 with a minimum grade of S)). Major/Minor Restriction: Exclude Mathematics Major(s)/Minor(s). Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 123 - Supplemental Algebra (1)**

Provides supplemental academic support for students enrolled in College Algebra (MATH 124) including content review and study skills. Required course based on the math placement index. S/U graded.

Corequisite: MATH 124. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MATH 124 - College Algebra (4)**

Topics covered in this course include linear, quadratic, exponential and logarithmic functions, matrices, theory of equations.

Special Notes: Two years of high school algebra with a grade of C or better or the equivalent.

Prerequisite: (ALEKS Test Score with a minimum score of 041 or (ALEKS Test Score with a minimum score of 025 and Concurrent Prerequisite MATH 123 with a minimum grade of S)). Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 125 - Plane Trigonometry (3)**

Study circular functions and their applications, inverse trigonometric functions and identities and cover complex numbers through DeMoivre's Theorem.

Prerequisite: MATH 124 with a minimum grade of C. Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 127 - Elementary Functions (4)**

Prerequisite: Full year of modern, second year high school algebra with the grade of B or better. Develop those skills required in calculus, including polynomial functions, exponential and logarithmic functions, trigonometric functions, vectors, analytic geometry and polar coordinates.

Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 130 - Supplemental Calculus (1)**

Provides support for students taking Calculus I by reviewing and exploring important prerequisite concepts required for calculus in a timely manner. Topics include relevant areas of algebra, trigonometry and pre-calculus. S/U graded.

Prerequisite: (Concurrent Prerequisite MATH 131 or Concurrent Prerequisite MATH 171 with a minimum grade of D-). Repeatable Status: Course may be repeated 1 time. Course Fee: Differential Tuition Required.

**MATH 131 - Calculus I (4)**

First course in a three course sequence in calculus. Differentiation and related concepts, applications of derivatives, including exponential, logarithmic and trigonometric functions.

Special Notes: High school mathematics up to and including trigonometry with a grade of B or better or college-level trigonometry or elementary function with a grade of C or better.

Prerequisite: (MATH 125 with a minimum grade of C or MATH 127 with a minimum grade of C or ALEKS Test Score with a minimum score of 060 or (ALEKS Test Score with a minimum score of 045 and Concurrent Prerequisite MATH 130 with a minimum grade of S)). Offered: Generally offered Fall and/or Spring Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: MATH 131 and MATH 171. Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 132 - Calculus II (4)**

Second course in three course sequence in calculus. Integration and applications of integration, sequences and series.

Prerequisite: (MATH 131 or MATH 171 with a minimum grade of C). Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 171 - Calculus I for Life Sciences (4)**

Differentiation and related concepts, applications of derivatives, including exponential, logarithmic and trigonometric functions. Introduction to integration. Emphasis on applications to the life sciences.

Prerequisite: (MATH 125 with a minimum grade of C or MATH 127 with a minimum grade of C or ALEKS Test Score with a minimum score of 060 or (ALEKS Test Score with a minimum score of 045 and Concurrent Prerequisite MATH 130 with a minimum grade of S)). Offered: Generally offered Fall and/or Spring Annually. Mutually Exclusive Course: Credit allowed for only one of these courses: MATH 171 and MATH 131. Course Attribute: LAX1-Mathematics and GT Mathematics.

**MATH 176 - Topics in Calculus (3)**

Techniques and applications of differential and integral calculus with an emphasis on applications to economics and business.

Prerequisite: (MATH 124 with a minimum grade of C or ACT Math with a minimum score of 26 or SAT Mathematics with a minimum score of 560 or SAT Math Section with a minimum score of 580). Major/Minor Restriction: Exclude Mathematics Major(s). Course Fee: Differential Tuition Required.

**MATH 181 - Fundamentals of Mathematics I: Number and Operations (3)**

First of three courses designed for prospective elementary teachers. Emphasizes the real number system and arithmetic operations. Explorations focus on mathematical structures and subsets of real numbers, via patterns, relationships, and properties. Content presented using problem solving and exploration.

Course Attribute: LAX1-Mathematics and GT Mathematics. Course Fee: Course Fee Required.

**MATH 182 - Fundamental Mathematics II: Algebra, Probability and Data Analysis (3)**

Second of three courses designed for prospective elementary teachers. Emphasizes algebra, probability, and data analysis. Explorations focus on representing, analyzing, generalizing, formalizing, and communicating patterns and probabilities.

Prerequisite: (MATH 181 or MATH 131 with a minimum grade of C). Course Attribute: LAX1-Mathematics and GT Mathematics. Course Fee: Course Fee Required.

**MATH 185 - Number Sense and Algebra (3)**

Emphasizes development of algebraic reasoning in conjunction with arithmetic operations. Explorations focus on mathematical structures and operations via implementation of various concrete and abstract models, pattern analysis, relationships, and properties. This course is designed for prospective elementary teachers in the mathematics concentration.

Course Attribute: LAX1-Mathematics.

**MATH 186 - Elements of Calculus (3)**

This course emphasizes the development of functional reasoning in conjunction with elementary calculus concepts. Explorations focus on functions, limits, structure of the real numbers, continuity, slope and integration concepts. This course is designed for prospective elementary teachers in the mathematics track.

Prerequisite: (MATH 185 with a minimum grade of C or (MATH 181 and MATH 182 with a minimum grade of C)). Course Attribute: LAX1-Mathematics.

**MATH 221 - Elementary Linear Algebra (3)**

Vector spaces, linear transformations, matrices, determinants, eigenvalues and eigenvectors, applications.

Prerequisite: MATH 131 with a minimum grade of C. Course Fee: Differential Tuition Required.

**MATH 228 - Discrete Mathematics (3)**

A survey course of non-calculus based mathematics used extensively in computer science and other disciplines. Study sets, types of proofs, logic, recursion and related topics.

Offered: Generally offered Fall and/or Spring Annually. Course Fee: Differential Tuition Required.

**MATH 233 - Calculus III (4)**

Third course in a three course sequence in calculus. Differentiation and integration of functions of several variables, vector functions, parametric equations, Green's Theorem.

Prerequisite: MATH 132 with a minimum grade of C. Course Fee: Differential Tuition Required.

**MATH 283 - Fundamental Mathematics III: Geometry and Measurement (3)**

Third of three courses designed for prospective elementary teachers. Emphasizes development of spatial reasoning in geometry and measurement. Explorations focus on two- and three dimensional shapes, their properties, measurements, constructions, and transformations.

Prerequisite: (MATH 182 or MATH 185 with a minimum grade of C). Course Fee: Differential Tuition Required and Course Fee Required.

**MATH 286 - Elements of Discrete Mathematics (3)**

This course focuses on the topics in Discrete Mathematics that are most fundamental for Elementary and Middle School teachers. Topics include sequences, graph theory, set theory, counting methods and probability. This course is designed for prospective elementary teachers in the mathematics track.

Prerequisite: (MATH 186 or MATH 131 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 311 - Mathematics and Statistics for Data Science (3)**

Mathematical and statistical topics relevant to Data Science. Background on multivariable functions and calculus, probability, and advanced linear algebra for tools used in Data Science.

Prerequisite: (CS 120 and MATH 221 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 317 - Mathematical Foundations for Teachers (3)**

Focus is on depth of understanding and ability to explain models and concepts involving number operations, fractions, bases, ratio and proportion, functions, structure of the real and rational numbers.

Prerequisite: MATH 132 with a minimum grade of C. Major/Minor Restriction: Include Mathematics Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**MATH 321 - Introduction to Abstract Algebra I (3)**

An introduction to abstract algebra. Topics will include: basic number theory, group theory, geometrical connections and mappings.

Prerequisite: (MATH 221 and MATH 228 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 322 - Introduction to Abstract Algebra II (3)**

A continuation of MATH 321. Topics will include: rings, integral domains, fields and Galois theory.

Prerequisite: MATH 321 with a minimum grade of C.  
Course Fee: Differential Tuition Required.

**MATH 335 - Differential Equations I (3)**

Study the theory and solutions of ordinary differential equations including applications.

Prerequisite: MATH 233 with a minimum grade of C.  
Course Fee: Differential Tuition Required.

**MATH 336 - Differential Equations II (3)**

Continuation of MATH 335. The existence and uniqueness theory, systems of equations, boundary value problems and an introduction to partial differential equations.

Prerequisite: MATH 335 with a minimum grade of C.  
Course Fee: Differential Tuition Required.

**MATH 341 - Introduction to Modern Geometry I (3)**

Explores Euclidean and non-Euclidean geometries from multiple perspectives, with an emphasis on developing problem solving, communication, and logical reasoning skills.

Prerequisite: (MATH 228 or MATH 286 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 342 - Introduction to Modern Geometry II (3)**

Continuation of Math 341. This course will continue the study of the foundations of geometry, exploring Euclidean and non-Euclidean geometries.

Prerequisite: (MATH 221 and MATH 228 and MATH 341 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 350 - Elementary Probability Theory (4)**

An introduction to probability. Axioms of probability, conditional probability, combinatorial techniques, discrete and continuous random variables, central limit theorem. Elements of statistical inference: estimators, confidence intervals and hypothesis testing.

Prerequisite: Concurrent Prerequisite MATH 132 with a minimum grade of C. Course Fee: Differential Tuition Required.

**MATH 351 - Elementary Statistics Theory (3)**

A continuation of MATH 350. Learn about jointly distributed random variables, central limit theorem, sampling distributions, properties of estimation, confidence intervals and tests of hypothesis.

Prerequisite: (MATH 350 and Concurrent Prerequisite MATH 233 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 375 - Elementary Numerical Analysis (3)**

Numerical solutions of equations and systems of equations; interpolation and approximation; numerical differentiation and integration; numerical solutions of differential equations.

Prerequisite: (MATH 221 with a minimum grade of C) and (MATH 233 with a minimum grade of D-) and (CS 120 with a minimum grade of C). Major/Minor Restriction: Include Mathematics Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**MATH 386 - Problem Solving (3)**

This course focuses on Mathematical Problem Solving for future elementary and middle school teachers. Emphasis is on problems with fundamental mathematical concepts from various levels to improve problem-solving and communication skills. This course is designed for prospective elementary teachers in the mathematics track and prospective middle school mathematics teachers.

Prerequisite: (MATH 228 or MATH 286 with a minimum grade of C). Offered: Generally offered Fall Annually.  
Course Fee: Differential Tuition Required.

**MATH 391 - Introduction to Number Theory (3)**

Topics will include basic properties of the Natural Numbers, prime numbers, divisibility, factorization, congruences, Euler's phi function, introduction to Diophantine Equations and some group theory.

Prerequisite: (MATH 228 or MATH 286 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 395 - Topics in Mathematics for Teachers (3)**

Emphasis will be on problem solving skills, reasonableness of answers, using calculators and computers and on problem posing.

Prerequisite: (MATH 182 or MATH 228 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**MATH 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MATH 431 - Basic Analysis I (4)**

Sequence of two courses to extend studies of calculus and analysis into the mathematical rigor and logic of analysis. Includes: real numbers, sequences, topology, limits, continuity, differentiation, series and integration.

Prerequisite: MATH 233 with a minimum grade of C. Course Fee: Differential Tuition Required.

**MATH 432 - Basic Analysis II (4)**

Continuation of MATH 431.

Prerequisite: MATH 431 with a minimum grade of C. Course Fee: Differential Tuition Required.

**MATH 437 - Mathematical Modeling (3)**

Use mathematical tools to develop models of practical problems. Emphasize development, verification and interpretation of models and communication of results.

Prerequisite: (MATH 221 and MATH 233 with a minimum grade of C). Course Fee: Differential Tuition Required.

**MATH 460 - Introduction to Complex Analysis (3)**

First course in complex variables, especially for potential calculus teachers. After preliminaries, proceed directly to power series, Laurent's series, contour integration, residue theory, polynomials and rational function.

Prerequisite: MATH 233 with a minimum grade of C. Course Fee: Differential Tuition Required.

**MATH 464 - Introduction to History of Mathematics (3)**

Survey of mathematical conceptual development and the people involved from antiquity to the present, including pedagogical applications, content connections, and use of reference resources.

Prerequisite: MATH 341 with a minimum grade of C. Major/Minor Restriction: Include Mathematics Major(s)/Minor(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**MATH 495 - Topics in Mathematics (1-3)**

Surveys topics in areas such as geometry, analysis, algebra, statistics, numerical analysis, topology and number theory not in existing courses, which reflect specific interests of instructors and students.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**MCS - Multicultural Studies**

College of Humanities and Social Sciences

*Africana Studies Program (p. 87)*

Department of Chicana/o and Latinx Studies (p. 82)

**MCS 101 - Multiculturalism in the United States: Concepts and Issues (3)**

An introduction to concepts and issues of multicultural behavior and group dynamics in contemporary United States society. The course will focus on the experiences of ethnic minority groups and women.

**MED - Mathematics Education**

College of Natural and Health Sciences

*School of Mathematical Sciences (p. 99)*

**MED 272 - Mathematics Tutoring (1)**

Upon completion of 2 hours of instruction on how to tutor in mathematics, the student will complete 30 clock hours of tutoring. S/U graded.

Repeatable Status: Course may be repeated 1 time.

**MED 341 - Principles of Teaching Secondary Mathematics (3)**

Focuses on national and state standards, principles of curriculum, assessment and instruction, and tools of assessment and instruction, including technology.

Prerequisite: STEP 161 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MED 373 - Clinical Induction in Secondary Mathematics Classrooms (1)**

The course provides teacher candidates with opportunities to observe, participate in, analyze, and reflect on teaching and learning in secondary mathematics classrooms and secondary school settings. S/U graded.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: MED 341. Course Fee: Differential Tuition Required.

**MED 381 - Fundamental Mathematics Education Lab (2)**

Students will experience fundamental mathematics content in the role of teacher assistant and peer leader. Students will discuss current issues and practical concerns about mathematics education.

Prerequisite: MATH 182 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MED 385 - Fundamentals of Mathematics Education (1)**

Focus is on current issues and practices about teaching and learning of fundamental topics of elementary and middle school mathematics, and understanding the basis of coaching for elementary math specialists.

Prerequisite: (MATH 182 or MATH 186 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**MED 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MED 441 - Methods of Teaching Mathematics (3)**

Focuses on methods for selecting, providing, and assessing high quality mathematics learning opportunities for diverse learners in secondary mathematics classrooms.

Prerequisite: (EDFE 120 with a minimum grade of S or EDFE 125 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (MED 341 with a minimum grade of D-). Corequisite: STEP 363. Course Fee: Differential Tuition Required.

**MED 449 - Teaching Mathematics with Technology (3)**

Explore traditional, emerging, and interactive technologies used in the teaching and learning of mathematics in grades 6-12. Increase understanding of the use and application of technology to enhance mathematics instruction.

Offered: Generally offered Fall Even Years. Course Fee: Differential Tuition Required.

**MET - Meteorology**

College of Natural and Health Sciences

*Department of Earth and Atmospheric Sciences (p. 97)*

**MET 110 - Our Violent Atmosphere (3)**

Weather and climate analyzed in terms of their physical basis and historical, economic and human consequences. Emphasis on impacts of extreme weather: hurricanes, severe thunderstorms, winter storms and floods.

Mutually Exclusive Course: Credit allowed for only one of these courses: MET 110 and ESCI 150. Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**MET 205 - General Meteorology (4)**

(3 lecture, 2 laboratory) The basic course in meteorology. The atmosphere, its structure and composition. Radiation, temperature, pressure, wind, humidity, precipitation, clouds, air masses and fronts. Measurements. Weather maps.

Course Attribute: LAS1-Natural & Physical Science and LASL-Natural & Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required and Participation Fee Required.

**MET 215 - Intro Meteorological Analysis (2)**

(4 laboratory) Meteorological instruments and weather data; weather maps and upper air charts; plotting of charts and basic analysis techniques. An introduction to numerical weather prediction results is included.

Prerequisite: MET 205 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MET 221 - Weather Forecasting Seminar (1)**

The practice of weather forecasting is introduced through weather briefings and participation in a forecast contest. Effective weather dissemination practices, interpersonal communication skills, and use of numerical guidance are emphasized.

Prerequisite: MET 215 with a minimum grade of D-. Repeatable Status: Course may be repeated 2 times. Course Fee: Differential Tuition Required.

**MET 315 - Atmospheric Thermodynamics (3)**

Develops quantitative problem solving skills and introductory computer skills using applications specific to meteorology; atmospheric composition and gas laws, atmospheric thermodynamics and stability.

Prerequisite: (MET 205 and MATH 131 and Concurrent Prerequisite PHYS 240 with a minimum grade of D-). Offered: Generally offered Fall Annually. Program Restrictions: Include EarthSci:Meteorology-BS. Course Fee: Differential Tuition Required.

**MET 320 - Physical Meteorology (3)**

Physical processes in the atmosphere and advanced applications in atmospheric thermodynamics; radiation laws and balance, cloud microphysics, precipitation processes, and atmospheric electricity.

Prerequisite: MET 315 with a minimum grade of D-.  
Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required.

**MET 376 - Meteorological COOP Education (1-12)**

Credit given for participation in cooperative work/study program with National Weather Service, NOAA and/or other agencies. Summary paper required for work and/or research activities.

Prerequisite: MET 205 with a minimum grade of D-.  
Repeatable Status: Course is repeatable with a maximum of 24 credit hours. Course Fee: Differential Tuition Required.

**MET 401 - Dynamic Meteorology (3)**

The physical laws governing planetary and synoptic-scale atmospheric motions are developed mathematically based on conservation of mass, momentum, and energy.

Prerequisite: (MATH 233 or MET 215 or MET 320 or PHYS 241 with a minimum grade of D-). Major/Minor Restriction: Include Earth Sciences Major(s). Course Fee: Differential Tuition Required.

**MET 402 - Synoptic-Dynamic Meteorology (4)**

(3 lecture, 2 laboratory) Use of weather data, manual analyses, and meteorological software tools in weather forecasting and case studies. Practice includes review of theory, student weather briefing, daily forecast, and statistical forecast verification.

Prerequisite: MET 401 with a minimum grade of D-.  
Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Earth Sciences Major(s). Course Fee: Differential Tuition Required.

**MET 420 - Advanced Weather Prediction (4)**

(3 lecture, 2 lab) Describes the principles of numerical weather prediction, modern forecast models, and their uses. Emphasis is placed on weather analysis, the advantages and limitations of numerical models, and advanced forecasting applications.

Prerequisite: (CS 101 and MET 402 with a minimum grade of D-). Program Restrictions: Include EarthSci:Meteorology-BS. Course Fee: Differential Tuition Required.

**MET 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MET 451 - Climatology (3)**

Factors affecting climate; analytical methods used to study climatology, general circulation of the atmosphere, oceans, and the global energy balance. Introduction to global climate models, projections of climate change.

Prerequisite: MET 320 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**MET 452 - Paleoclimatology (3)**

Survey of climate history and methods of interpreting geological, paleontological, and paleobotanical climate proxies. Introduction to modeling, utility of using models to reconstruct past climate, and current research in paleoclimate.

Prerequisite: MET 205 with a minimum grade of D-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**MET 460 - Mesoscale Meteorology (4)**

(3 lecture, 2 laboratory) Study of atmospheric phenomena on medium time and space scales. Topics include frontogenesis, mountain/valley winds, sea breeze circulations, gravity currents and waves, thunderstorms, hurricanes, and problems in mesoscale forecasting.

Prerequisite: MET 320 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**MET 462 - Extreme Mountain Weather (3)**

Principles of extreme weather over complex terrain, Rocky Mountains, and Colorado Front Range. Fire weather, windstorms, air pollution, blizzards and snow avalanches, monsoon circulations, and forecast application.

Prerequisite: (MET 205 and MATH 131 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**MET 465 - Radar and Satellite Meteorology (3)**

Principles of remote sensing techniques, including radar and satellite instrumentation and operation. Types of radar and satellite instrumentation and interpretation of imagery used to understand the atmosphere and forecast weather.

Prerequisite: (MET 315 and MET 320 with a minimum grade of D-). Program Restrictions: Include EarthSci:Meteorology-BS. Course Fee: Differential Tuition Required.

**MET 495 - Special Topics in Meteorology (1-4)**

Explore topics in meteorology beyond regular departmental offerings. Specific topics determined by student interest and instructor.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**MIND - Life of the Mind Program**

*Undergraduate Studies (p. 107)*

**MIND 181 - Great Traditions of Asia: India, China and Japan (3)**

Interdisciplinary study of the traditions of Asian countries, dealing with historical contexts and literary and artistic expressions.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and LAIS-International Studies and GT Ways of Thinking.

**MIND 281 - Modernity in Asia (3)**

This interdisciplinary course analyzes the rise and development of modernities in Asian countries and cultures and their intersections with Asian traditions.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAIS-International Studies and GT Arts.

**MIND 286 - Value Issues in Political Economy (3)**

A study of the political and economic viewpoints on key value issues in society, exploring the influence of seminal thinkers.

Mutually Exclusive Course: Credit allowed for only one of these courses: MIND 286 and PSCI 286. Course Attribute: LAB1-Soc&BehSci-EconPoli Sys and GT Economics & Political Sys.

**MIND 288 - Contemporary Arts Connections (3)**

Designed to involve students in synthesizing, analyzing and evaluating visual art, music, theatre, dance, and understanding its impact on, and relationship to, society.

**MIND 289 - Coming of Age in the Twenty-First Century (3)**

An investigation through primary readings into the questions: How has our century been coming of age? Into what age have we come?

**MIND 290 - Search for Meaning (3)**

Investigate the search for meaning by world thinkers and study the relevance of their search to our own.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**MIND 292 - Ideas in Conflict (3)**

An examination of the conflicts between sets of ideas in modern times in both the West and the Third World.

Mutually Exclusive Course: Credit allowed for only one of these courses: MIND 292 and ANT 292.

**MLSC - Military Science**

*Undergraduate Studies (p. 107)*

**MLSC 101 - Leadership and Personal Development (2)**

Introduces how personal skills such as critical thinking, goal setting, time management, and physical/mental fitness are critical for effective leadership and relate to Army leadership. The focus is on understanding Army leadership and the ROTC program.

**MLSC 102 - Introduction to Tactical Leadership (2)**

Overviews leadership fundamentals such as goal setting, problem-solving, active listening, presenting briefs, providing feedback, and using effective writing skills. Students explore the Army Leadership Requirements Model in practical, hands-on, and interactive exercises. Available to all students.

\*The military science lab is the application portion of the course. The lab is open to all UNC students and encouraged for all cadets but only required for contracted cadets. Labs are held in Fort Collins at CSU.

Offered: Generally offered Spring Annually.

**MLSC 196 - Leadership and Personal Development Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is encouraged for all cadets and required for contracted cadets. Labs are held in Fort Collins at CSU. Open to all students and should be taken concurrently with MLSC 101.

Offered: Generally offered Fall Annually.



**MLSC 197 - Introduction to Tactical Leadership Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is encouraged for all cadets and required for contracted cadets. Labs are held in Fort Collins at CSU. Open to all students and should be taken concurrently with MLSC 102.

Offered: Generally offered Spring Annually.

**MLSC 201 - Innovative Team Leadership (2)**

Explores dimensions of tactical leadership strategies and styles by examining team dynamics and historical leadership theories that form the basis of the Army leadership framework. Case studies provide context for learning the Soldier's Creed and Warrior Ethos. The military science lab is the application portion of the course. The lab is encouraged for all cadets and required for contracted cadets. Labs are held in Fort Collins at CSU. Open to all students.

Offered: Generally offered Spring Annually.

**MLSC 202 - Foundations of Tactical Leadership (2)**

Examines challenges of leading teams in operational environments. The course highlights terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of Army Leadership develops greater self-awareness through assessment of personal leadership style. The military science lab is the application portion of the course. The lab is encouraged for all cadets and required for contracted cadets. Labs are held in Fort Collins at CSU. Open to all students.

Offered: Generally offered Spring Annually.

**MLSC 235 - Military Tactical Leadership (1)**

This course allows students to be trained in and apply military tactics, techniques, and procedures in a realistic setting. This course is taught at Fort Knox, KY during the summer session. Students interested in attaining credit for the ROTC basic course curriculum through attendance at Cadet Summer Training Basic Camp can receive academic credit through this course.

Offered: Generally offered Summer Annually. Repeatable Status: Course is repeatable with a maximum of 4 credit hours.

**MLSC 296 - Innovative Team Leadership Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is open to all UNC students and encouraged for all cadets but only required for contracted cadets. Labs are held in Fort Collins at CSU. Available to all students and should be taken concurrently with MLSC 201.

Offered: Generally offered Fall Annually.

**MLSC 297 - Foundations of Tactical Leadership Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is encouraged for all cadets but required for contracted cadets. Labs are held in Fort Collins at CSU. Available to all students and should be taken concurrently with MLSC 202.

Offered: Generally offered Spring Annually.

**MLSC 301 - Adaptive Team Leadership (3)**

Challenges Cadets to practice adaptive leadership skills as they lead squad operations. The focus is developing tactical leadership abilities in order to succeed at ROTC's summer Leadership Development and Assessment Course (LDAC). The military science lab is the application portion of the course. The lab is encouraged for all cadets but required for contracted cadets. Labs are held in Fort Collins at CSU. Requires department approval.

Corequisite: MLSC 396. Offered: Generally offered Fall Annually.

**MLSC 302 - Applied Team Leadership (3)**

Using intense application of adaptive team leadership, this course challenges Cadets in leading operations at the small unit level. Cadets continue to develop proficiency in Troop Leading Procedures, and are evaluated as leaders as they prepare to attend the ROTC summer Leader Development Assessment Course (LDAC).

Prerequisite: (MLSC 301 and MLSC 396 with a minimum grade of D-). Corequisite: MLSC 397.

**MLSC 357 - American Military Experience (3)**

Students will examine the military heritage of the United States from the colonial period to the early twenty-first century.

**MLSC 386 - Leader Development and Assessment Course (6)**

Theories and principles of leadership applied to actual field situations during the 35-day Cadet Summer Training Advanced Camp held at Fort Knox, KY.

Prerequisite: (MLSC 301 and MLSC 302 with a minimum grade of D-). Offered: Generally offered Summer Annually. Major/Minor Restriction: Include Military Science Minor(s).

**MLSC 396 - Adaptive Team Leadership Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is required for contracted cadets. Labs are held in Fort Collins at CSU.

Corequisite: MLSC 301. Offered: Generally offered Fall Annually.

**MLSC 397 - Applied Team Leadership Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester.

Prerequisite: (MLSC 301 and MLSC 396 with a minimum grade of D-). Corequisite: MLSC 302.

**MLSC 401 - Adaptive Leadership (3)**

This course transitions the focus of Cadets from being a trainee to being a trainer as they plan, execute and assess training events. Cadets will learn about the special trust proposed by the US Constitution to Army Officers-a trust above and beyond other professions. The military science lab is the application portion of the course. The lab is required for contracted cadets. Labs are held in Fort Collins at CSU.

Prerequisite: (MLSC 301 and MLSC 302 and MLSC 396 and MLSC 397 with a minimum grade of D-). Corequisite: MLSC 496. Offered: Generally offered Fall Annually.

**MLSC 402 - Leadership in a Complex World (3)**

This course completes the transition from being a trainee to being a trainer, and emphasizes Cadets preparing for their first unit of assignment and the demands of leading as commissioned officers in the Army. The military science lab is the application portion of the course. The lab is required for contracted cadets. Labs are held in Fort Collins at CSU.

Prerequisite: (MLSC 401 and MLSC 496 with a minimum grade of D-). Corequisite: MLSC 497. Offered: Generally offered Spring Annually.

**MLSC 422 - Directed Study (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.) Requires department approval.

Special Notes: Maximum concurrent enrollment is two times.

Prerequisite: MLSC 402 with a minimum grade of D-. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 3 times.

**MLSC 496 - Adaptive Leadership Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is required for contracted cadets. Labs are held in Fort Collins at CSU.

Corequisite: MLSC 401. Offered: Generally offered Fall Annually.

**MLSC 497 - Leadership in a Complex World Lab (1)**

Application of skills, knowledge and leadership taught throughout the semester. The military science lab is the application portion of the course. The lab is required for contracted cadets. Labs are held in Fort Collins at CSU.

Prerequisite: (MLSC 401 and MLSC 496 with a minimum grade of D-). Corequisite: MLSC 402. Offered: Generally offered Spring Annually.

**MT - Musical Theatre**

College of Performing and Visual Arts

*School of Theatre Arts and Dance*

**MT 101 - Musical Theatre Sight Singing and Ear Training (2)**

Basics of ear training and sight singing are covered utilizing a musical theatre repertoire.

Major/Minor Restriction: Include Musical Theatre Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MT 160 - Class Piano for Musical Theatre (2)**

Develop basic piano skills in harmonization, sightreading, repertoire and technique.

Major/Minor Restriction: Include Musical Theatre Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MT 161 - Introduction to Musical Theatre Performance (1)**

(2 lecture; 1 laboratory) This class is designed to provide the beginning musical theatre student with the basic mechanical, analytical and physical skills needed to perform musical theatre.

Prerequisite: MT 160 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MT 169 - Applied Voice: Individual Voice Study (1)**

This is an individualized class setting where student and teacher work exclusively with the technical and musical aspects of the voice student in a one-on-one setting. There will be a great deal of feedback from the instructor.

Major/Minor Restriction: Include Musical Theatre Major(s). Repeatable Status: Course is repeatable with a maximum of 4 credit hours. Course Fee: Differential Tuition Required.

**MT 250 - Voice Class for Musical Theatre I (2)**

(2 contact hours per week). Beginning instruction in singing. Study will involve the elements of a basic technique for singing and an introduction to the anatomy and physiology of the voice.

Major/Minor Restriction: Include Musical Theatre Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MT 251 - Voice Class for Musical Theatre II (1)**

Continuation of concepts learned in MT 250 in greater depth and detail. Emphasis will be placed on developing musicianship, more independent learning and greater accuracy in singing.

Prerequisite: MT 250 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**MT 260 - Acting in Musical Theatre (3)**

A step-by-step process approach to acting a song. Units will be covered connecting the actor with the event/discovery of purpose/obstacle/relationship/choices and action clarification.

Prerequisite: MT 160 with a minimum grade of D-. Major/Minor Restriction: Include Musical Theatre Major(s). Course Fee: Differential Tuition Required.

**MT 261 - Singing for Actors (2)**

Basic singing technique for actors. Student will study both theory and practical application of vocal technique as it applies to musical theatre and musical theatre auditioning.

Program Restrictions: Include Acting-BFA and Theatre Arts (Acting)-BA. Course Fee: Differential Tuition Required.

**MT 275 - Musical Theatre Song Analysis I (3)**

This course (the first of a three-semester progression) is designed to understand the process of how to perform theatre repertoire in a healthy, honest and organic fashion while incorporating vocal technique taught in the voice studio. This particular course will focus on repertoire written prior to the premiere of "Oklahoma" in 1943.

Major/Minor Restriction: Include Musical Theatre Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MT 276 - Musical Theatre Song Analysis II (3)**

This course (the second of a three-semester progression) is designed to further the process of how to perform theatre repertoire in a healthy, honest and organic fashion while incorporating vocal technique taught in the voice studio. This particular course will focus on repertoire of the "Golden Age" of musical theatre from 1943-1980.

Prerequisite: MT 275 with a minimum grade of D-. Major/Minor Restriction: Include Musical Theatre Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MT 285 - Performance in Musical Theatre (1-3)**

Practical experience in the production of a musical. Techniques of acting, singing, dancing, directing and other facets necessary for preparation of a show for public performance will be offered.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MT 296 - Musical Theatre History (3)**

American musical theatre and its development from the beginning of the 19th century to the present. Emphasis on research.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**MT 350 - Voice Class for Musical Theatre II (2)**

(2 contact hours per week). This class is designed to further develop artistic, qualitative and healthy musical theatre vocal performance technique and repertoire.

Major/Minor Restriction: Include Musical Theatre Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MT 351 - Advanced Musical Theatre Voice Class II (1)**

Continuation of concepts learned in MT 350 in greater detail and depth.

Prerequisite: MT 350 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**MT 360 - Scene Study in Musical Theatre (3)**

(2 lecture; 3 laboratory) Musical theatre literature explored through the study of period and style. The laboratory experience will include singing, dancing and acting. Laboratory section may be repeated.

Prerequisite: MT 260 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MT 369 - Individual Performance in Musical Theatre Voice (2)**

Hours arranged. Advanced instruction in Musical Theatre vocal styles, involving technique for safe singing and basic anatomy and physiology of the voice.

Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Differential Tuition Required.

**MT 370 - Musical Theatre Dance (3)**

Gain knowledge and skill in the techniques and styles of dance required in musical theatre.

Prerequisite: (DNCE 166 and DNCE 170 and DNCE 175 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MT 375 - Musical Theatre Song Analysis III (3)**

This course (the final of a three-semester progression) is designed to continue the process of performing song repertoire through truthful and honest communication. Repertoire in this course will focus on the contemporary musical theatre era and non-theatrical genres such as rock/pop, country, etc.

Prerequisite: (MT 275 and MT 276 with a minimum grade of D-). Major/Minor Restriction: Include Musical Theatre Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MT 390 - Advanced Musical Theatre Scene Study (2)**

(2 lecture; 3 laboratory) This course will further the student's act/sing technique with a focus on advanced partnering.

Prerequisite: MT 360 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MT 465 - Musical Theatre Workshop (3)**

Audition Required. Study of the role preparation and styles, particularly developing the necessary skills to prepare audition materials.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required and Course Fee Required.

**MT 470 - Senior Project in Musical Theatre (3)**

Audition Required. Practical experience in the preparation and performance of a musical theatre role study.

Major/Minor Restriction: Include Musical Theatre Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**MT 485 - Performance in Musical Theatre (1-3)**

Practical experience in the production of a musical. Techniques of acting, singing, dancing, directing and other facets in preparing a show for public performance.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS - Music**

College of Performing and Visual Arts

*School of Music (p. 103)*

**MUS 100 - Recitals, Concerts and Productions (0)**

Each semester, students will attend Common Hour Convocations plus a minimum of 5 concerts or productions in which they do not perform. S/U graded.

Major/Minor Restriction: Include Music (and) Music Education Major(s)/Minor(s). Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**MUS 104 - Foundations of Music Theory (3)**

A rigorous curriculum that focuses on the foundational elements of music theory including clef reading, calligraphy, rhythmic notation, intervals, scales, key signatures, triads and diatonic chords. Extensive work in ear training and sight singing.

Major/Minor Restriction: Include Music (and) Music Education Major(s)/Minor(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 113 - Music Theory I (3)**

Introduction to basic diatonic harmony, phrase structure, analysis, period form and four part writing in root position. Weekly keyboard labs reinforce the coursework.

Prerequisite: MUS 104 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 114 - Aural Skills and Sight Singing I (1)**

Exercises in sight singing, rhythmic reading and dictation. Sight singing of diatonic melodies, intervals, triads. Performance of rhythmic reading exercises. Ear training includes intervals, triad types, diatonic melodies, cadences and rhythmic dictation.

Prerequisite: MUS 104 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 115 - Music Theory II (3)**

Introduction to harmony through four-part writing. Principles of harmonic progression, modulation, diatonic seventh chords and secondary dominants are included. Analysis of Binary and Ternary forms. Weekly keyboard labs reinforce the written material.

Prerequisite: (MUS 113 and MUS 114 with a minimum grade of C-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 116 - Aural Skills and Sight Singing II (1)**

Exercises in sight singing, rhythmic reading and dictation. Sight singing of diatonic, modulating and chromatic melodies. Performance of rhythmic reading exercises which include syncopation and asymmetrical meters. Dictation includes diatonic chord progressions, diatonic and chromatic melodies, seventh chords, and rhythmic dictation with syncopation, and meters including 5/8 and 7/8.

Prerequisite: (MUS 113 and MUS 114 with a minimum grade of C-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 140 - Exploration of Music through American Identities (3)**

A non-technical course on the enjoyment and appreciation of diverse music that has been available in the United States since ca. 1750. From a contemporary American and global standpoint, as well as in pursuit of improving social awareness and cultural competence, this course explores our multicultural past and present through musical examples and figures of diverse identities that have existed since the beginning of our country's history.

Offered: Generally offered Fall and/or Spring Annually.  
Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAMS-Multicultural Studies and GT Arts.

**MUS 143 - Musical Styles and Context (3)**

Music in its historical and cultural contexts: stylistic development and connections to the other arts. Intended for majors and musically literate non majors with a knowledge of basic music theory.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**MUS 144 - Exploring Music in Film (3)**

This course explores music in film, focusing on common musical styles and sound design techniques and the way they work with visual and theatrical elements to tell the story. This class is intended for students with little or no musical background.

Offered: Generally offered Fall, Winter Interim, Spring, and/or Summer Annually. Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**MUS 145 - Music for Cartoons: Disney to Animé (3)**

This course is an elementary exploration of animation and music in cartoons and is designed for undergraduates from a variety of disciplines. No special musical knowledge is required. Much of the content of the course will be drawn from early cartoons, c. 1930-1960 and then from 1990 to the present. Study of this subject is a study of music literature, particularly in the realms of jazz and classical music, cultural reflections of social interactions and politics, and technological development in both image and sound in the past 100 years.

Offered: Generally offered Fall and/or Spring Annually.  
Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**MUS 150 - History of Rock and Roll (3)**

This course is a survey of the development of the Rock genre from its roots in African-American music and the Blues into the 21st century. The advances in the music will be connected to the social, political, multicultural, and technological changes that shaped those developments.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAMS-Multicultural Studies and GT Arts.

**MUS 155 - Beats and Grooves in Hispanic and Latinx Music (3)**

A non-technical course on the enjoyment and appreciation of Hispanic and Latinx music and culture. This course explores a variety of musical styles and genres that incorporate distinctive beats and grooves of Spanish, Chicano/Chicana, and Latin American roots music, in close connection with social, political, and multicultural movements that have shaped their spirits and sounds.

Offered: Generally offered Fall and/or Spring Annually.  
Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAMS-Multicultural Studies and GT Arts.

**MUS 160 - Class Piano I (1)**

An introduction to functional keyboard skills for students with little or no background in piano.

Major/Minor Restriction: Include Music (and) Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 161 - Class Piano II (1)**

For music majors continuing to develop reading skills, technique and style necessary for playing elementary piano music.

Prerequisite: MUS 160 with a minimum grade of C-. Major/Minor Restriction: Include Music (and) Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 170 - Performance Study (1)**

Individual instruction on technique, performance, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 181 - Jazz and Latin Theory I (3)**

An exploration of harmonic syntax, melodic construction, song forms, rhythms, and grooves in jazz and Latin music.

Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 182 - Jazz and Latin Aural Skills I (1)**

Study and development of skills in hearing and vocalizing melodic, harmonic, and rhythmic elements of jazz and Latin music styles.

Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 183 - Jazz and Latin Theory II (3)**

An in-depth study of harmonic syntax, melodic construction, song forms, rhythms, and grooves in jazz and Latin music.

Prerequisite: MUS 181 with a minimum grade of C-. Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 184 - Jazz and Latin Aural Skills II (1)**

Continued study and development of skills in hearing and vocalizing melodic, harmonic, and rhythmic elements of jazz and Latin music styles.

Prerequisite: MUS 182 with a minimum grade of C-. Offered: Generally offered Spring Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 208 - Group Lessons (1)**

Music study and skill development in a group setting, focusing on a specific style or genre. Students will listen to, learn, and analyze representative pieces, and will explore playing specific styles. Specific topics will vary by semester.

Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Repeatable Status: Course is repeatable with no limitation. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 209 - Introduction to Music Technology (2)**

This project-orientated course introduces the language of MIDI, notation software, and the basic of music sequencing and audio recording. These skills allow the production of computer playback files and engraved scores.

Major/Minor Restriction: Include Music (and) Music Education (and) Music Technology Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 210 - Introduction to Music Education (1)**

Covers the history and present status of music in the schools, qualifications of music teachers and beginning instructional problems. Weekly observation and aiding required.

Prerequisite: (Concurrent Prerequisite EDFE 110 or Completion of Applic for Initial Adm to PTEP). Offered: Generally offered Fall and/or Spring Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 211 - Careers in Music (1)**

Exploration of career possibilities through interaction with a variety of successful music professionals.

Major/Minor Restriction: Include Music (and) Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 212 - Song Lyrics (3)**

A study of song lyrics from a literary perspective: includes study of figurative language, poetic devices, rhyme, etc. Critical writing skills are stressed.

Course Attribute: LAA2-Arts&Hum-Lit&Humanities and GT Literature.

**MUS 213 - Music Theory III (3)**

Introduction to chromatic harmony. Analysis of larger part forms.

Prerequisite: (MUS 115 and MUS 116 with a minimum grade of C-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 214 - Aural Skills and Sight Singing III (1)**

Ear training and sight singing, including chromatic harmonies, chromatic melodies, modulating melodies and rhythmic dictation.

Prerequisite: (MUS 115 and MUS 116 with a minimum grade of C-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 215 - Music Theory IV (3)**

Introduction to musical styles and analysis techniques since 1900.

Prerequisite: (MUS 213 and MUS 214 with a minimum grade of C-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 216 - Aural Skills and Sight Singing IV (1)**

Ear training and sight singing skills related to musical styles since 1900.

Prerequisite: (MUS 213 and MUS 214 with a minimum grade of C-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 217 - Vocal Jazz Master Class (1)**

Students will prepare, perform, and critique solo jazz vocal selections, culminating in a public performance. In-class listening to and discussion of representative vocal jazz solo recordings.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 220 - Jazz Guitar Ensemble (1)**

Audition Required. Comprised of several guitarists and a rhythm section, the Jazz Guitar Ensemble studies and performs music from diverse jazz styles arranged for this specific combination of instruments.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 221 - Small Jazz Ensembles (1)**

Groups consist of rhythm section plus three or four horns. Students should have an improvisation background before audition.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 223 - Jazz Improvisation I (2)**

This course is an introduction to the art of jazz improvisation. Topics will be covered through live demonstration, solo analysis, transcription, and performance.

Prerequisite: MUS 218 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**MUS 224 - Vocal Jazz Ensembles (1)**

Audition required. Each ensemble limited to 20 voices: 4 sopranos, 4 altos, 4 tenors, 4 baritones, 4 basses, plus rhythm section and horns. Sing standard jazz literature; sing scat and deal with contemporary jazz notation. Perform on and off campus. Open to any UNC student.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 225 - Jazz Ensemble (1)**

Audition required. For brass, woodwind and rhythm players. Concentrates on the idioms of jazz music. Get thorough preparation for teaching at both secondary and college levels.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 228 - UNC Early Music Ensemble (1)**

UNC Early Music Ensemble performs pre-Classical Era music in a historically informed style, on period instruments whenever possible.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 229 - UNC Contemporary Music Ensemble (1)**

The UNC Contemporary Music Ensemble performs music of our time, including modern masterpieces as well as commissioned works, in collaboration with composers whenever possible.

Course Attribute: Community Engaged Learning. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 230 - Small Ensembles and Chamber Music (1)**

Small chamber groups that rehearse regularly and are coached by a faculty member.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 231 - Music Lessons (1)**

Instruction in a secondary area: instrument, voice, or composition. One 30-minute individual lesson per week.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 236 - Individual Instruction in Jazz (2)**

Individual instruction on technique, performance practice, and literature for jazz studies majors. May include up to 50% classical/traditional music study.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 237 - English and Italian Diction (1)**

Develop pronunciation skills for speaking and singing in English and Italian, particularly through learning the International Phonetic Alphabet. Rules of grammar that affect pronunciation for poetry and song literature texts.

Course Fee: Differential Tuition Required.

**MUS 238 - German and French Diction (1)**

Develop pronunciation skills for speaking and singing in German and French, particularly through learning the International Phonetic Alphabet. Rules of grammar that affect pronunciation for poetry and song literature texts.

Course Fee: Differential Tuition Required.

**MUS 243 - History of Music I (3)**

The history of change in music from earliest times through the 16th Century to the end of the Baroque Period with emphasis on the changes in style.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**MUS 244 - History of Music II (3)**

A study of historical changes that took place in music in the Classic and Romantic Periods and the 20th Century.

**MUS 245 - Introduction to Ethnomusicology (3)**

Definition, history, and scope of Ethnomusicology; its role in the study of human behavior and cultures, and its relationship with musicology, anthropology, history, culture, religion, and humanities. Survey of functional music in different socio-cultural settings. Exploration of ethnomusicological theories, research, and fieldwork study.

Mutually Exclusive Course: Credit allowed for only one of these courses: MUS 245 and ANT 245. Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**MUS 247 - Music as Cultural Identity (3)**

Music as Cultural Identity looks at the importance of music in the expression of cultural identity and explores the global migration of musical ideas through a survey of folk, art, and popular music from around the world.

Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAIS-International Studies and GT Arts.

**MUS 248 - Asian Musical Culture (3)**

Survey of the music of the Asian continent and their roles in society, religion, history, and politics. Examines theoretical systems, modes of learning, musical instruments, ensembles, and performance practices by cultural groups. Also examines significant genres in national and folk traditions. Explores the impact of westernization and modernization on musical cultures as well as new musical practices in the world music markets of the twenty-first century.

Mutually Exclusive Course: Credit allowed for only one of these courses: MUS 248 and ASIA 248. Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAIS-International Studies and GT Arts.

**MUS 253 - UNC Alternative Styles Ensemble (1)**

The UNC Alternative Styles Ensemble will explore non-classical styles and performance techniques through regular rehearsals and performances.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 256 - UNC European Summer Opera Programs (1-6)**

Audition Required. Practical experience in the production and performance of a complete operatic works in professional productions in Europe. Techniques of acting, singing, character analysis and stage direction will be studied.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Faculty Led Study Abroad Fee Required and Extended Campus Fee Required.

**MUS 257 - Applied Music (1)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.



**MUS 258 - Applied Music: Jazz (1)**

Instruction on technique, performance practice, and literature of jazz music. One 50-minute individual lesson per week.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 260 - Class Piano III (1)**

Development of intermediate-level functional keyboard skills. This course satisfies the piano proficiency requirement for all music majors.

Prerequisite: MUS 161 with a minimum grade of C-. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 261 - Class Piano IV (1)**

Further development of the functional keyboard skills required of professional musicians and music educators.

Prerequisite: MUS 260 with a minimum grade of C-. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 262 - Class Jazz Piano (1)**

A course for beginning jazz, piano students. Study of the harmonic language of jazz, chord voicings, comping techniques, melody playing and improvisation.

Prerequisite: MUS 161 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 263 - Studio Performance Class: Piano (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 264 - Studio Performance Class: Brass or Percussion (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 265 - Individual Instruction in Collaborative Piano (2)**

In-depth study of repertoire and refinement of skills for the collaborative pianist.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 266 - Chamber Choir (1)**

Audition Required. The UNC Chamber Choir is a highly select auditioned vocal ensemble typically comprised of 16 to 32 performers. The group performs a wide variety of choral chamber works in concerts throughout the year and may tour regularly.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 267 - University Symphony Orchestra (1)**

Audition required. Comprised of the best string, wind, brass, and percussion players. Reads and performs standard orchestra repertoire. Performs on and off campus.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 268 - UNC Campus String Orchestra (1)**

This course is open to all bowed string instrument players on campus (violin, viola, cello, bass). Players are expected to have several years of experience in order to be successful with the required repertoire. Each semester the Orchestra will rehearse and prepare for concerts on campus and/or in the community. \*\*String majors are expected to audition for the UNC Symphony Orchestra each year before enrolling in Campus Orchestra (on their primary instrument).

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 269 - Latin Percussion Class (1)**

Study and practice of Latin percussion instruments, techniques, and styles. Development of performance skills through analysis of audio and video recordings and group playing. The focus will be on basic technique, sound production, and performance practices. For percussionists and non-percussionists. Specific focus varies by semester.

Offered: Generally offered Fall Annually. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 270 - Individual Performance in Voice (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 271 - Individual Performance in Piano (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 272 - Individual Instruction in Folk and Bluegrass (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 273 - Individual Instruction in Strings, Harp, or Guitar (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 274 - Individual Instruction in Woodwinds (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 275 - Individual Instruction in Brass or Percussion (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 277 - Individual Instruction in Composition (2)**

Individual instruction in music composition for composition majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 280 - Mixed Concert Choir (1)**

Audition required. Open to all students. Performs literature ranging from the classics to contemporary works. Performs concerts on and off campus.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 281 - Women's Glee Club (1)**

Audition required. Open to all female students. Performs on campus and joins with the Concert Choir in large masterworks with orchestra.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 282 - University Singers (1)**

The University Singers is open to all the university community and performs a wide variety of choral repertoire, from Renaissance motets to contemporary works.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 283 - Studio Performance Class: Voice (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 284 - Men's Glee Club (1)**

Open to all male students. Performs on campus and in the community. Sings a wide variety of literature.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 285 - Performance in Opera Theatre (1)**

Audition required. Practical experience in the production and performance of a complete operatic work. Techniques of acting, singing, character analysis and stage direction will be studied.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 286 - Scene Studies in Opera (1)**

Audition required. Studying techniques of acting, singing, character analysis and stage deportment through the staging and performing of selected opera scenes and arias.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 288 - Concert Band (1)**

Audition required. Comprised of music majors and students from other disciplines. Members perform a wide variety of interesting literature selected from standard and current repertoire.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 290 - Symphonic Band (1)**

Audition required. Performs literature drawn from contemporary and traditional repertoire.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 291 - Wind Ensemble (1)**

Audition required. Comprised of the most outstanding wind and percussion majors in the School of Music. The ensemble performs a repertoire of works requiring from 8 to 35 performers.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 292 - Marching Band (1)**

Audition required. Open to all university students. To develop marching/playing skills by utilizing current practices in marching band formation design and special marching band musical arrangements.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 293 - Studio Performance Class: Strings, Harp or Guitar (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 294 - Studio Performance Class: Woodwinds (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 296 - Jazz Music: History and Appreciation (3)**

Study of the development of jazz music and its relationship to and influence on other popular music genres. Focus on critical listening and writing skills to develop appreciation of this art form. Open to all students.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and LAMS-Multicultural Studies and GT Arts.

**MUS 301 - 18th Century Counterpoint (3)**

A study of counterpoint as found in the invention, canon, fugue and chorale prelude.

Prerequisite: (MUS 215 and MUS 216 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 302 - Form and Analysis (3)**

The study of homophonic and polyphonic forms, beginning with the motif and continuing with the analysis of the sonata, rondo and variation forms as well as the contrapuntal processes of inventions, canon, and fugue.

Prerequisite: (MUS 215 and MUS 216 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 303 - Instrumentation (2)**

A course planned to develop knowledge and skill in arranging and orchestrating for various combinations of instruments from a few instruments to a full symphony orchestra.

Prerequisite: (MUS 215 and MUS 216 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 307 - History of Instruments and Instrumental Practice (3)**

A historical study of the development of musical instruments and the performance practices associated with them.

Prerequisite: (MUS 215 and MUS 216 and MUS 243 and MUS 244 with a minimum grade of C-). Course Fee: Differential Tuition Required.

**MUS 308 - Music Workshop (1-4)**

Receive information about current important ideas in many fields of knowledge from authorities nationally known in their fields of specialization. S/U or letter graded.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 310 - Teaching General Music in Elementary Schools (2)**

A comprehensive study of the teaching of music to students in elementary school general music classes. Clinical experiences required.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP) and (MUS 210 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 312 - Teaching Instrumental Music in Elementary Schools (2)**

Examine materials, methods and procedures for teaching instrumental music in elementary schools. In-class presentations and clinical experience required.

Prerequisite: MUS 210 with a minimum grade of D-. Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 313 - Digital Composition (2)**

This project oriented course gives students a professional level familiarity with electronic musical instruments. The class will focus on the production and design of synthetic and sampled sounds.

Prerequisite: MUS 209 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 314 - Guitar in the Classroom (1)**

Learn to play guitar, including basic folk and classical techniques. Covers development of a guitar program in public school music curriculum.

Major/Minor Restriction: Include Music (and) Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 319 - Instrumental Techniques and Conducting (1)**

Develop effective hand and baton technique; learn drill and various meter patterns, tempo, style, dynamics, musical terms; study and perform musical scores, using a laboratory band and orchestra.

Prerequisite: (MUS 115 and MUS 116 with a minimum grade of D-). Offered: Generally offered Fall Annually.

**MUS 320 - Wind Literature, Pedagogy and Conducting (2)**

Designed to continue conducting instruction begun in MUS 319, with emphasis on wind literature and rehearsal techniques appropriate for elementary through high school bands.

Prerequisite: MUS 319 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 323 - Choral Techniques and Conducting (2)**

Develop basic conducting technique as a choral musician. Study and apply meter patterns, preparatory beats, cueing and releases. Discuss tone production, diction, blend, score preparation and rehearsal techniques.

Prerequisite: (Concurrent Prerequisite MUS 115 and Concurrent Prerequisite MUS 116 with a minimum grade of D-). Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 324 - Choral Conducting and Pedagogy for Elementary and Secondary Schools (2)**

Continuation of MUS 323, refining conducting techniques. Examines materials, methods and procedures relevant to teaching vocal music in elementary and secondary schools.

Prerequisite: (MUS 323 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 325 - Choral Methods and Literature for Elementary and Secondary Schools (2)**

Examine choral literature for use with elementary through high school choral organizations.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (MUS 319 or MUS 323 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 327 - Analysis of Jazz Styles (2)**

Study of jazz improvisation through the analysis of transcribed solos.

Prerequisite: MUS 223 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**MUS 328 - Jazz Improvisation II (2)**

Continuation and expansion of materials covered in MUS 223. Application of advanced scales, chromatic harmony, and soloing concepts. Elements of swing through post-bop styles.

Prerequisite: MUS 223 with a minimum grade of D-.  
Course Fee: Differential Tuition Required. MUS 329 - Stage Techniques for Singers (2)

An introduction to techniques and requirements of stage performance: score and script analysis, elementary acting methods, character development, and stage movement.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 330 - String Techniques (1)**

The study of the problems of string playing through performance on string instruments and the study of available literature for teaching strings in preparation for establishing string classes upon graduation.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 331 - String Pedagogy and Literature for the Instrumental Music Teacher (2)**

Additional studies in string performance and literature are presented for the instrumental B.M.E. major.

Prerequisite: (MUS 319 or MUS 330 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 332 - Beyond Talent: Career Development for Musicians (2)**

This course will help prepare students for their professional careers by familiarizing them with a broad skill set necessary to succeed in the fast-changing music profession. Students will be guided to acquire the essential skills beyond musicianship by covering relevant topics through lectures, required reading, guest presentations, and the final project.

Course Fee: Differential Tuition Required.

**MUS 334 - Acting for Singers (2)**

Advanced instruction in the special needs of the singer/actor: staging of arias, improvisation, freeing the voice through movement.

Prerequisite: MUS 329 with a minimum grade of D-.  
Repeatable Status: Course may be repeated 1 time. Course Fee: Differential Tuition Required.

**MUS 336 - German Art Song (2)**

An introduction to the origins of the art song form with in-depth study of the German art song from its historical beginnings through the present day.

Course Fee: Differential Tuition Required.

**MUS 338 - French/Italian Art Song (2)**

Course in the performance of 19th and 20th Century French and Italian Art Song with particular emphasis upon style, technical requirements and diction.

Course Fee: Differential Tuition Required.

**MUS 339 - British/American Art Song (2)**

In-depth study of British and American art song. Emphasis will be on research and performance of 20th century materials.

Course Fee: Differential Tuition Required.

**MUS 342 - Jazz Rhythm Section Workshop (1)**

A listening workshop in jazz and commercial music for all instrumentalists. Topics will include important players, group communication, performance styles and classic rhythm sections.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 343 - Recording Techniques (2)**

This course will introduce the student to the basic principles and practices of audio recording through a combination of lecture/demonstration and hands-on work in the recording studio or the computer lab.

Prerequisite: MUS 209 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 344 - History of Jazz (2)**

An introductory study of the historical evolution of jazz music from its nineteenth-century precursors to the present.

Major/Minor Restriction: Include Music (and) Music Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**MUS 345 - Vocal Jazz Arranging (2)**

Study of arranging techniques for vocal jazz ensemble music in a broad range of styles and with varying voicing and instrumentation.

Prerequisite: MUS 346 with a minimum grade of C-.  
Program Restrictions: Include Music:Jazz Studies-BM and Music:Jazz Std Instrumental-BM. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 346 - Arranging (2)**

Fundamental considerations in arranging music for small instrumental jazz ensembles and vocal jazz groups. Stylistic elements of melody, harmony, rhythm, texture, and form. Details of notation, score preparation, and layout.

Prerequisite: MUS 218 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 347 - Advanced Arranging (2)**

Discussion of common techniques used by great arrangers. Prepares students to write arrangements for large jazz ensemble and studio orchestra.

Prerequisite: MUS 346 with a minimum grade of D-.  
Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 348 - Accompanying and Coaching I (2)**

Acquaint students with necessary skills for collaborative performance through the study of listening, rhythm, sight reading, technique and 4-hand repertoire. Class performances required.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 349 - Accompanying and Coaching II (2)**

Acquaint students with skills needed for collaborative performance through score reduction and discussion, listening and performance of song and instrumental literature. Class performances required.

Prerequisite: MUS 348 with a minimum grade of D-.  
Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 350 - Afro-Caribbean and South American Music (3)**

Exploration and study of Afro-Caribbean and South American music. Investigation of stylistic elements of representative styles through reading, listening, and discussion. Examination of the influence of Caribbean and South American genres on music in the United States.

Offered: Generally offered Fall - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 351 - Music of Mexico and Central America (3)**

Historical survey of folkloric, popular, and classical music of Mexico and Central America. Listening and discussion will be central to gaining an understanding of the musical and cultural landscapes. This course will also explore the migration of styles and the influence various genres have had on music in the United States.

Offered: Generally offered Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 352 - Piano Pedagogy I (2)**

A one semester course concentrating on beginning piano and elementary musicianship. The course will provide a thorough introduction to methods, materials, resources, and techniques for teaching at the elementary level. Students will also survey a substantial amount of elementary to early intermediate piano repertoire.

Course Fee: Differential Tuition Required.

**MUS 353 - Piano Pedagogy II (2)**

A one semester course focusing on the intermediate to early advanced piano student curriculum. The course will provide a thorough overview of the technical and musical requirements needed to develop students at the intermediate to early advanced level. Students will also survey a substantial amount of intermediate to early advanced piano repertoire.

Prerequisite: MUS 352 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**MUS 354 - Advanced Recording Techniques (2)**

Continued development of skills in audio recording and mixing through lecture and hands-on experiences. Students will collaborate on projects using a wide array of tools and recording techniques.

Prerequisite: (MUS 209 and MUS 343 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 356 - Marching Band Techniques (1)**

Designed to develop the necessary skills and knowledge needed to organize, administer, plan and teach marching band shows. Clinical experience required.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 360 - Voice Class (1)**

Beginning instruction in solo singing, with an emphasis on strategies and materials. Intended for beginning singers and music educators. Study will involve the elements of basic vocal technique, pedagogy and solo repertoire.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 361 - Single Reed and Flute Class (1)**

This course addresses fundamental issues in playing and teaching the clarinet, saxophone, and flute to assist music educators in the instruction of these instruments.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 362 - Double Reed Class (1)**

This course addresses fundamental issues in playing and teaching the oboe and bassoon to assist music educators in the instruction of these instruments.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 363 - Routes of Black Music (3)**

The historical, thematic and stylistic development of black music from ancient Africa to the present.

Mutually Exclusive Course: Credit allowed for only one of these courses: MUS 363 and AFS 360. Course Fee: Differential Tuition Required.

**MUS 365 - Percussion Techniques (1)**

Develop a teaching knowledge of percussion instruments and acquire playing skills for demonstration purposes. Each class includes discussion or pedagogical activities relevant to percussion teaching including hands-on experience playing instruments.

Major/Minor Restriction: Include Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 368 - Brass Techniques I (1)**

Develop a teaching knowledge of the trumpet, trombone or other unfamiliar brass instruments as determined. Acquire sufficient playing skill for purposes of demonstration. Each class will include discussion or pedagogical activities relevant to brass teaching, as well as hands-on experience playing the instruments.

Major/Minor Restriction: Include Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 369 - Brass Techniques II (1)**

Develop and demonstrate a teaching knowledge of the brass instruments found in the US public schools. Acquire sufficient playing skill on the horn, euphonium, and tuba for the purposes of demonstration. Each class will include discussion or pedagogical activities relevant to brass teaching, as well as hands-on experience playing and teaching the instruments.

Prerequisite: MUS 368 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 392 - Music Business Internship (1-3)**

Practical experience working in the music business. Internship proposal, progress report and final report required. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 3 credit hours. Course Fee: Differential Tuition Required.

**MUS 401 - Music Theory Review (2)**

Reviews tonal harmony, voice leading and analysis. Includes diatonic triads and seventh chords, modulation, chromatic harmonies and form analysis.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 402 - Aural Skills Review (1)**

Reviews rhythmic dictation, melodic and harmonic dictation using diatonic through chromatic harmony. Sight singing will use moveable do and conducting.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 403 - Acoustics of Music (2)**

Study of the physical properties of sound as compared with the psychoacoustical characteristics of perceived experience. Emphasis is placed on practical musical applications.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 404 - Jazz Methods and Materials (2)**

An overview of literature, methodologies, and teaching strategies for the junior high/high school music educator. Hands on experience with conducting and rehearsing literature appropriate to the age level.

Major/Minor Restriction: Include Music (and) Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.



**MUS 405 - Music Production (2)**

Musical genres change over time but the actual process of making a great recording remains the same. This course will give a solid knowledge of the role of the music producer from the creative standpoint of music production. Through the study of historical elements of music production and landmark recordings from the most successful and innovative producers, we will dissect the production process in a variety of musical genres from beginning to end. We will explore specific studio production techniques that can be applied across multiple musical styles and situations in the recording/production process.

Prerequisite: (MUS 343 and MUS 354 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 410 - Vocal Pedagogy (2)**

An introduction to the science and teaching of singing. Study of the skeletal system, muscles involved in breathing and phonation, vocal acoustics, and learning theories, past and present.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 413 - Teaching Contemporary and Culturally Responsive Music in Schools (2)**

This course is designed for students to study the role and nature of music courses in elementary and especially secondary schools through the context of culturally responsive pedagogical approaches to music education. These approaches include contemporary music ensemble construction, basic songwriting/recording, and the study of music and music pedagogy from non-dominant cultures. It expands upon our traditional framework of understanding of what it means to be a music educator, and what it means to be musically educated, and emphasizes current thought and future possibilities with regard to school music programs.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 414 - Transitional Capstone Course in Music Education (2)**

Capstone course to prepare students for student teaching though review of topics including assessment, lesson planning, classroom management, work sample preparation, and special needs students in the music classroom.

Prerequisite: Completion of Applic for Full Adm to PTEP. Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 415 - Keyboard Literature I (2)**

Sight reading at Level III or above required. The study of keyboard music from its earliest beginnings through the works of Frederic Chopin and Robert Schumann. Offered every other year.

Course Fee: Differential Tuition Required.

**MUS 416 - Keyboard Literature II (2)**

Sight reading at Level III or above required. Concentrate on keyboard works from Franz Liszt and Johannes Brahms through the Twentieth Century. Offered every other year.

Course Fee: Differential Tuition Required.

**MUS 419 - Latin Music Ensemble (1)**

Open to any student by audition. Rehearse and perform music in genres and styles from Mexico, Central America, South America, and the Caribbean.

Offered: Generally offered Fall and/or Spring Annually. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 420 - Jazz Guitar Ensemble (1)**

Audition required. Comprised of several guitarists and a rhythm section, the Jazz Guitar Ensemble studies and performs music from diverse jazz styles arranged for this specific combination of instruments.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 421 - Small Jazz Ensembles (1)**

Groups consist of a rhythm section plus 3 or 4 hours.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 422 - Directed Studies in Music (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 423 - Body Mapping (1)**

Designed to help participants correct and refine their body map in order to sing and play music with healthy, efficient movement. This course will not provide information about technique but will give students the information they need to put their technique on a firm somatic foundation.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 424 - Vocal Jazz Ensembles (1)**

Audition required. Each ensemble limited to 20 voices: 4 sopranos, 4 altos, 4 tenors, 4 baritones, 4 basses, plus rhythm section and horns. Open to any UNC student.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 425 - Jazz Ensemble (1)**

Audition required. For brass, woodwind and rhythm players. Concentrate on jazz idiom music. Get thorough preparation for teaching at both secondary and college levels.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 426 - Orchestral Excerpts (1)**

Emphasis is on professional level performance of standard orchestral literature.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 429 - UNC Contemporary Music Ensemble (1)**

Our time, including modern masterpieces as well as commissioned works, in collaboration with composers whenever possible.

Course Attribute: Community Engaged Learning. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 430 - Small Ensembles and Chamber Music (1)**

Small chamber groups that rehearse regularly and are coached by a faculty member.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 431 - Music Lessons (1)**

Instruction in a secondary area: instrument, voice, or composition. One 30-minute individual lesson per week.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 436 - Individual Instruction in Jazz (2)**

Individual instruction on technique, performance practice, and literature of jazz music for jazz studies majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 441 - Standard Latin and Jazz Repertoire (1)**

Students will become familiar with the large body of compositions that comprise standard repertoire in Latin music and Jazz. Course will include the study of composers, melodies, lyrics, chord progressions and recordings. Students will also learn techniques for song memorization.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Music (and) Music Education Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 443 - Topics in Jazz History (2)**

A detailed study of the history of jazz music from its precursors to the present. Critical analysis of the common narrative of jazz history is informed by primary source readings, historical literature and contemporary research in issues of general jazz history.

Prerequisite: MUS 344 with a minimum grade of D-. Major/Minor Restriction: Include Music (and) Music Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**MUS 444 - English Diction (1)**

A course in the performance of English Song Literature with particular emphasis upon the problems of singing in one's own language.

Course Fee: Differential Tuition Required.

**MUS 445 - German Diction (1)**

A course in the performance of 19th and 20th century German art song, with particular emphasis upon style and diction.

Course Fee: Differential Tuition Required.

**MUS 446 - French Diction (1)**

A course in the performance of 19th and 20th century French art song, with particular emphasis upon style and diction.

Course Fee: Differential Tuition Required.

**MUS 447 - Italian Diction (1)**

A course in the performance of Italian art song and operatic repertoire, with particular emphasis upon style and diction.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 448 - UNC Early Music Ensemble (1)**

UNC Early Music Ensemble performs pre-Classical Era music in a historically informed style, on period instruments whenever possible.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 450 - Seminar in Student Teaching for Music Educators (1)**

This seminar is designed to provide student teachers in music education with pertinent information and a support system that will aid them during their field experience. S/U graded.

Prerequisite: (EDFE 130 with a minimum grade of S and Completion of Application for Student Teaching). Course Fee: Differential Tuition Required.

**MUS 453 - UNC Alternative Styles Ensemble (1)**

The UNC Alternative Styles Ensemble will explore non-classical styles and performance techniques through regular rehearsals and performances.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 456 - UNC European Summer Opera Program (1-6)**

Audition Required. Practical experience in the production and performance of a complete operatic works in professional productions in Europe. Techniques of acting, singing, character analysis and stage direction will be studied.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**MUS 457 - Applied Music (1)**

Instruction on technique, performance practice, and literature. One 50-minute individual lesson per week.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 458 - Applied Music: Jazz (1)**

Instruction on technique, performance practice, and literature of jazz music. One 50-minute individual lesson per week.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 460 - Survey of the Music Business (2)**

An introductory course designed to develop basic business skills in the music idiom through the study of copyright law, music licensing and publishing, artist/venue management and promotion, and the recording industry.

Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 463 - Studio Performance Class: Piano (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 464 - Studio Performance Class: Brass or Percussion (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 465 - Individual Instruction in Collaborative Piano (2)**

In depth study of repertoire and refinement of skills for the collaborative pianist.

Special Notes: Instructor consent required

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 466 - Chamber Choir (1)**

Audition Required. The UNC Chamber Choir is a highly select auditioned vocal ensemble typically comprised of 16 to 32 performers. The group performs a wide variety of choral chamber works in concerts throughout the year and may tour regularly.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 467 - University Symphony Orchestra (1)**

Audition required. Comprised of the best string, wind, brass, and percussion players. Reads and performs standard orchestra repertoire. Performs on and off campus.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 468 - UNC Campus String Orchestra (1)**

This course is open to all bowed string instrument players on campus (violin, viola, cello, bass). Players are expected to have several years of experience in order to be successful with the required repertoire. Each semester the Orchestra will rehearse and prepare for concerts on campus and/or in the community. \*\*String majors are expected to audition for the UNC Symphony Orchestra each year before enrolling in Campus Orchestra (on their primary instrument).

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 470 - Individual Instruction in Voice (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 471 - Individual Instruction in Piano (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 472 - Individual Instruction in Folk and Bluegrass (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 473 - Individual Instruction in Strings, Harp, or Guitar (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 474 - Individual Instruction in Woodwinds (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 475 - Individual Instruction in Brass or Percussion (2)**

Individual instruction on technique, performance practice, and literature for performance majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 477 - Individual Instruction in Composition (2)**

Individual instruction in music composition for music composition majors.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Private Music Lesson Fee Required.

**MUS 480 - Mixed Concert Choir (1)**

Audition required. Open to all students. Performs literature ranging from the classics to contemporary works. Performs concerts on and off campus.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 481 - Women's Glee Club (1)**

Audition required. Open to all female students. Performs on campus and joins with the Concert Choir in large masterworks with orchestra.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 482 - University Singers (1)**

The University Singers is open to all the university community and performs a wide variety of choral repertoire, from Renaissance motets to contemporary works.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 483 - Studio Performance Class: Voice (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 484 - Men's Glee Club (1)**

Audition required. Open to all male students. Performs on campus and in the community. Sings a wide variety of literature.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 485 - Performance in Opera Theatre (1)**

Audition required. Practical experience in the production and performance of a complete operatic work. Techniques of acting, singing, character analysis and stage direction will be studied.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 486 - Scene Studies in Opera (1)**

Audition required. Studying techniques of acting, singing, character analysis and stage deportment through the staging and performing of selected opera scenes and arias.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 488 - Concert Band (1)**

Audition required. Comprised of music majors and students from other disciplines. Members perform a wide variety of interesting literature selected from standard and current repertoire.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 490 - Symphonic Band (1)**

Audition required. Performs literature drawn from contemporary and traditional repertoire.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 491 - Wind Ensemble (1)**

Audition required. Comprised of the most outstanding wind and percussion majors in the School of Music. The ensemble performs a repertoire of works requiring from 8 to 35 performers.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 492 - Marching Band (1)**

Audition required. Open to all university students. To develop marching/playing skills by utilizing current practices in marching band formation design and special marching band musical arrangements.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**MUS 493 - Studio Performance Class: Strings, Harp or Guitar (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 494 - Studio Performance Class: Woodwinds (0)**

Studio performance class is an integral component of applied study. Each music major will attend a regularly scheduled session with all of the students in their major discipline. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**MUS 495 - Special Topics in Music (1-4)**

Seminar covering performance, research, education, history and theory that are of concern to contemporary undergraduate student. Topics vary according to student interest and needs.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**NURS - Nursing**

College of Natural and Health Sciences

*School of Nursing (p. 100)*

**NURS 200 - Women's Health (3)**

Examines women's health concerns over the adult life span, and the accompanying psychosocial, economic, political, and cultural implications. Includes a historical perspective.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys. Repeatable Status: Course may be repeated 1 time.

**NURS 201 - Mindfulness Practice for the Health Care Professional (1)**

Provide an understanding of the act of mindfulness in practice. Emphasis will be placed on various mindfulness practices to increase emotional intelligence, resilience, and coping skills for transition to career practice.

Prerequisite: ENG 123 with a minimum grade of D-. Offered: Generally offered Fall, Spring, Interim, and/or Summer - Check with department/school for next offering. Course Fee: Differential Tuition Required.

**NURS 225 - Interprofessional Collaboration in Healthcare (3)**

An interdisciplinary approach promoting wellness and using discipline-specific processes to plan healthcare interventions. Perspectives from disciplines are explored emphasizing collaborative communication, teamwork, and client-centered care. Simulation labs included.

Prerequisite: (BIO 245 or BIO 350 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**NURS 303 - Transition to Baccalaureate Nursing (3)**

Facilitates movement of registered nurses into the professional role of a baccalaureate prepared nurse.

Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 305 - Professional Nursing Concepts (3)**

Develops knowledge and skills in patient education, communication, cultural sensitivity, quality and safety, informatics, and health literacy for nursing practice and professional nursing roles.

Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 310 - Foundations of Nursing I (3)**

An introduction to the profession of nursing: nursing history, theory, nursing process, communication, diversity, professionalism, legal and ethical issues, geriatrics, end of life and healthcare access. Includes a civic engagement component.

Major/Minor Restriction: Include Nursing Major(s). Course Attribute: Community Engaged Learning. Course Fee: Differential Tuition Required.

**NURS 313 - Health Assessment Theory and Laboratory (3)**

(2 lecture, 2 laboratory) Theory and application of health assessment, including physical, mental, developmental and cultural appraisals of individuals and families.

Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required.

**NURS 320 - Basic EKG Interpretation (2)**

An introduction to the concepts of EKG interpretation and basic dysrhythmia recognition.

Prerequisite: (BIO 245 and BIO 246 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**NURS 323 - Clinical Practice: Fundamental Nursing Concepts and Care (5)**

(5 Laboratory, 5 Clinical) This course emphasizes planning, providing, and evaluating nursing care based on the nursing process. S/U graded.

Offered: Generally offered Fall and/or Summer Annually. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 326 - Pathophysiology (3)**

A systems approach to alteration and disruption of physiologic functions. Focus on differentiation of pathophysiologic findings and identification of major disease processes.

Prerequisite: (BIO 245 and BIO 246 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**NURS 327 - Pharmacology in Nursing Practice (3)**

Study medication classifications, emphasizing pharmacodynamics in care of children and adults. Analyze pharmacological problems and plan nursing care to support treatment and avoid or alleviate iatrogenic problems of medication therapy.

Offered: Generally offered Fall and Summer Annually.  
Major/Minor Restriction: Include Nursing Major(s).  
Course Fee: Differential Tuition Required.

**NURS 329 - Health Assessment - RN/BSN (3)**

Focuses on theory and application of health assessment, including physical, mental, developmental and cultural appraisals of individuals and families.

Prerequisite: (NURS 303 and NURS 305 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 340 - Foundations of Nursing II (2)**

Develops knowledge and skills in patient education, communication, professional nursing roles, and cultural sensitivity for nursing practice. Includes a civic engagement component.

Prerequisite: (NURS 310 with a minimum grade of C) and (NURS 313 with a minimum grade of C) and (NURS 323 with a minimum grade of S) and (NURS 327 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 374 - Clinical Practice: Alterations in Adult Health (6)**

(4 laboratory, 8 Clinical) This course focuses on the application of therapeutic interventions guided by the nursing process in the acute care of individuals across the adult life span and their families. S/U graded.

Prerequisite: (NURS 310 with a minimum grade of C) and (NURS 313 with a minimum grade of C) and (NURS 323 with a minimum grade of S) and (NURS 327 with a minimum grade of C). Corequisite: NURS 375 and NURS 376. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 375 - Alterations in Adult Health Theory I (4)**

Emphasizes alterations in health of patients across the adult lifespan experiencing cancer and disorders of the following systems: fluids and electrolytes, immunity, cardiopulmonary, hematology and gastrointestinal.

Prerequisite: (NURS 310 with a minimum grade of C) and (NURS 313 with a minimum grade of C) and (NURS 323 with a minimum grade of S) and (NURS 327 with a minimum grade of C). Corequisite: NURS 374 and NURS 376. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 376 - Alterations in Adult Health Theory II (3)**

Emphasizes alterations in health of patients across the adult lifespan with disorders of the following systems: neurological, musculoskeletal, urinary/renal, endocrine, and integumentary.

Prerequisite: (NURS 310 with a minimum grade of C) and (NURS 313 with a minimum grade of C) and (NURS 323 with a minimum grade of S) and (NURS 327 with a minimum grade of C). Corequisite: NURS 374 and NURS 375. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 380 - Research and Evidence Based Practice (3)**

Develops beginning research knowledge in relationship to health outcomes. Emphasis will be on quantitative and qualitative research as components of evidence-based practice.

Prerequisite: ((NURS 340 and NURS 375 and NURS 376 with a minimum grade of C) and (NURS 374 with a minimum grade of S)) or (NURS 303 and NURS 305 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 382 - Patient Centered Care Concepts Across the Lifespan (3)**

Emphasizes issues in professional nursing as they relate to health promotion, aging, chronic illness, end of life and palliative care, complementary and alternative therapies, case management and care coordination.

Prerequisite: (NURS 329 and NURS 380 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 383 - Current Issues in Health Care RN/BSN (3)**

Emphasizes issues in professional nursing as they relate to the changing health care environment. Areas of emphasis are ethics, change theory, power and politics, and nursing organizations.

Prerequisite: (NURS 329 and NURS 380 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 401 - Global Health and Disaster Preparedness in the West Indies (3)**

(2 lecture, 1 field instruction) This interdisciplinary study abroad course will explore concepts in global health and disaster preparedness using St. Kitts and Nevis as a microcosm to explore these concepts.

Course Fee: Differential Tuition Required.

**NURS 404 - Clinical Practice of Public Health Nursing: Population-Based Practice (3)**

(6 Clinical) Application of course concepts, theories, knowledge, and practice from nursing and public health sciences within diverse population and environmental contexts. Apply public health nursing theory to nursing practice. S/U graded.

Prerequisite: (NURS 380 with a minimum grade of C) and (NURS 420 with a minimum grade of S) and (NURS 421 with a minimum grade of S) and (NURS 425 with a minimum grade of C) and (NURS 426 with a minimum grade of C). Corequisite: NURS 405. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 405 - Theory and Principles of Public Health Nursing: Population-Based Practice (3)**

Emphasis on synthesis of concepts, theories, knowledge, and practice from nursing and public health sciences within diverse population and environmental contexts. Facilitates professional role development and clinical reasoning. This course contains a civic engagement component.

Prerequisite: (NURS 380 and NURS 425 and NURS 426 with a minimum grade of C and NURS 420 and NURS 421 with a minimum grade of S) or NURS 382 and NURS 383 with a minimum grade of C). Offered: Generally offered Fall, Spring, and/or Summer Annually. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 406 - Population-Based Practice - RN/BSN (3)**

(6 Clinical) Advances the knowledge and skills of the RN in the application of the concepts, theories, knowledge, and practice of the public health sciences with a population focus. S/U graded.

Prerequisite: (NURS 382 and NURS 383 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 408 - Nursing Workshop (1-3)**

Offers undergraduate students an opportunity to increase nursing knowledge and skills.

Major/Minor Restriction: Include Nursing Major(s). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**NURS 414 - Clinical Practice: Psychiatric/Mental Health Nursing (3)**

(6 Clinical) Focuses on therapeutic nursing interventions applied to psychiatric/mental health nursing. Emphasis on nursing management of complex, acute and chronic psychiatric/mental health problems in community and/or inpatient settings. S/U graded.

Prerequisite: (NURS 380 with a minimum grade of C) and (NURS 420 with a minimum grade of S) and (NURS 421 with a minimum grade of S) and (NURS 425 with a minimum grade of C) and (NURS 426 with a minimum grade of C) and (Concurrent Prerequisite NURS 415 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.



**NURS 415 - Theory of Psychiatric/Mental Health Nursing (3)**

Nursing theory applied to psychiatric/mental health disorders. Focuses on promotion of quality and safe care and facilitation of optimal health for patients with acute and chronic illnesses.

Prerequisite: (NURS 380 with a minimum grade of C) and (NURS 420 with a minimum grade of S) and (NURS 421 with a minimum grade of S) and (NURS 425 with a minimum grade of C) and (NURS 426 with a minimum grade of C) and (Concurrent Prerequisite NURS 414 with a minimum grade of S). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 420 - Clinical Practice: Childbearing Families (3)**

(1 Lab, 5 Clinical) This course focuses on the application of therapeutic interventions guided by the nursing process and evidence-based standards in the care of childbearing families. S/U graded.

Prerequisite: (NURS 340 with a minimum grade of C) and (NURS 374 with a minimum grade of S) and (NURS 375 with a minimum grade of C) and (NURS 376 with a minimum grade of C) and (Concurrent Prerequisite NURS 425 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 421 - Clinical Practice: Pediatric Nursing (3)**

(1 Lab, 5 Clinical) This course focuses on the application of therapeutic interventions guided by the nursing process and evidence-based standards in the care of pediatric patients and their families. S/U graded.

Prerequisite: (NURS 340 with a minimum grade of C) and (NURS 374 with a minimum grade of S) and (NURS 375 with a minimum grade of C) and (NURS 376 with a minimum grade of C) and (Concurrent Prerequisite NURS 426 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Attribute: Community Engaged Learning. Course Fee: Differential Tuition Required and Assessment Fee Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**NURS 425 - Childbearing Families Theory (3)**

Develops knowledge about childbearing processes, health promotion, disease prevention, alterations in health, and therapeutic interventions for women (gynecology), childbearing women, newborns and families in various settings.

Prerequisite: (NURS 340 with a minimum grade of C) and (NURS 374 with a minimum grade of S) and (NURS 375 with a minimum grade of C) and (NURS 376 with a minimum grade of C) and (Concurrent Prerequisite NURS 420 with a minimum grade of S). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 426 - Pediatric Nursing Theory (3)**

Develops knowledge about alterations in health, health promotion, and disease prevention and explores therapeutic nursing interventions for the care of pediatric patients and their families in various healthcare settings.

Prerequisite: (NURS 340 with a minimum grade of C) and (NURS 374 with a minimum grade of S) and (NURS 375 with a minimum grade of C) and (NURS 376 with a minimum grade of C) and (Concurrent Prerequisite NURS 421 with a minimum grade of S). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 440 - Current Issues in Health Care (2)**

Emphasizes issues in professional nursing as they related to the changing health care environment. Areas of emphasis are change, ethics, policy and politics, and health care economics.

Prerequisite: (NURS 380 with a minimum grade of C) and (NURS 420 with a minimum grade of S) and (NURS 421 with a minimum grade of S) and (NURS 425 with a minimum grade of C) and (NURS 426 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 444 - Clinical Practice: Advanced Acute Care (3)**

(6 Clinical) This course focuses on the advanced application of theoretical concepts of nursing practice in the acute care setting. S/U graded.

Prerequisite: (NURS 404 with a minimum grade of S) and (NURS 405 with a minimum grade of C) and (NURS 414 with a minimum grade of S) and (NURS 415 with a minimum grade of C) and (NURS 440 with a minimum grade of C). Corequisite: NURS 445 and NURS 446. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Course Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 445 - Advanced Nursing Concepts and Care (2)**

This course focuses on the appraisal and synthesis of prior knowledge, current best evidence, and safety and quality indicators to evaluate and develop plans of care for patients with complex chronic, acute, and critical illnesses.

Prerequisite: (NURS 404 with a minimum grade of S) and (NURS 405 with a minimum grade of C) and (NURS 414 with a minimum grade of S) and (NURS 415 with a minimum grade of C) and (NURS 440 with a minimum grade of C). Corequisite: NURS 444 and NURS 446. Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 446 - Clinical Practice Capstone (5)**

(15 Practicum) Nursing immersion practicum experience under the direct supervision of a professional nurse preceptor. S/U graded.

Prerequisite: (Concurrent Prerequisite NURS 444 with a minimum grade of S) and (Concurrent Prerequisite NURS 445 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required and Participation Fee Required and Supervision Fee Required.

**NURS 470 - Clinical Practice: Professionalism in Practice (3)**

(6 Practicum) A preceptored practicum that develops the leader / manager role of the baccalaureate nurse. S/U graded.

Prerequisite: (NURS 382 and NURS 383 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**NURS 480 - Professionalism in Practice: Leadership and Management (3)**

Emphasis is on the nurse as a leader/manager in society and the health care system with respect to current issues and trends.

Prerequisite: ((NURS 404 and NURS 414 with a minimum grade of S) and (NURS 405 and NURS 415 and NURS 440 with a minimum grade of C)) or (NURS 382 and NURS 383 with a minimum grade of C). Major/Minor Restriction: Include Nursing Major(s). Course Fee: Differential Tuition Required.

**OCN - Oceanography**

College of Natural and Health Sciences

*Department of Earth and Atmospheric Sciences (p. 97)*

**OCN 110 - Our Ocean Systems (3)**

Examine ocean environment and its human impact. Topics include description of ocean systems, marine exploration, international issues, food and mineral resources, coastal erosion, pollution and technological developments.

Major/Minor Restriction: Exclude Earth Sciences Major(s). Course Attribute: LAS1-Natural & Physical Science and GT Natural & Phys Science.

**OCN 200 - General Oceanography (4)**

(3 lecture, 2 laboratory) Geological, physical, chemical and biological aspects of oceans and ocean basins. Field trip required.

Major/Minor Restriction: Exclude Earth Sciences Major(s). Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**OCN 301 - Physical and Chemical Oceanography (4)**

(3 lecture, 2 laboratory) Historical, physical and chemical aspects of oceanography including general character of water masses, ocean circulation and currents, waves, tides, ocean-atmosphere interactions and chemical oceanography.

Course Fee: Differential Tuition Required.

**OCN 302 - Geological and Biological Oceanography (4)**

(3 lecture, 2 laboratory) Geological and biological aspects of the ocean including origin of oceans and ocean floors, marine sediments and geomorphology, distribution and ecology of marine organisms and ocean productivity. Required field trip.

Course Fee: Differential Tuition Required.

**OCN 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**PHIL - Philosophy**

College of Humanities and Social Sciences

*Department of Philosophy (p. 85)*

**PHIL 100 - Introduction to Philosophy (3)**

An examination of issues pertaining to knowledge, reality and morality. Issues examined might include the following: Can we know anything? Does God exist? Is morality merely personal opinion?

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**PHIL 126 - Introduction to Global Philosophies (3)**

An introduction to a number of formative philosophical traditions from different cultures, e.g., Africana, Aztec, Buddhist, Confucian, Daoist, Indian, Islamic, and other philosophies.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and LAIS-International Studies and GT Ways of Thinking.

**PHIL 150 - Moral Issues (3)**

An introduction to moral reasoning about issues such as drug use, capital punishment, world hunger, animal rights, internet privacy, discrimination and sexual morality.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**PHIL 221 - Basic Logic (3)**

An introduction to deductive and inductive reasoning. Students will develop their creative and critical thinking skills while learning to avoid common fallacies in the contexts of decision-making and problem-solving.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**PHIL 225 - Philosophical Figures (3)**

An introduction to philosophy focused on the thought of one or two classical or contemporary figures, e.g. Kierkegaard & Socrates, Zhuangzi, Nietzsche, Ortega y Gasset, John Rawls & Martha Nussbaum.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking and Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**PHIL 231 - Ancient Greek Philosophy (3)**

A study of the major figures in ancient Greek philosophy from the pre-Socratics to the end of the Hellenistic period.

**PHIL 232 - Medieval Western Philosophy (3)**

A study of the major figures in Western philosophy from Augustine to William of Ockham, including Christian, Muslim, and Jewish philosophers.

**PHIL 233 - Modern Western Philosophy (3)**

A study of the major figures in modern Western philosophy from Descartes through Kant.

**PHIL 246 - Early Chinese Philosophy (3)**

A study of the major texts and figures in pre-Han China from Kongzi to Han Feizi.

**PHIL 250 - Medical Ethics (3)**

An introduction to moral reasoning about issues that arise in a medical context, e.g., abortion, euthanasia, health care professional-patient relationships, research on human subjects, and health-care access.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**PHIL 270 - Philosophy of Religion (3)**

An exploration of selected topics in the philosophy of religion, e.g., religious experience, faith and reason, the existence and nature of God, religion and science, and the problem of evil.

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**PHIL 280 - Philosophy of Science (3)**

An introduction to philosophy of science focused on questions about its nature, methods and goals, e.g., What distinguishes science from pseudo-science? What constitutes the 'scientific method?' What is scientific objectivity?

Course Attribute: LAA3-Arts&Hum-Ways of Thinking and GT Ways of Thinking.

**PHIL 300 - Topics in Philosophy (3)**

Offerings under this heading will focus on areas of philosophical interest not regularly covered at the 300 level (e.g., Philosophy of Mind).

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**PHIL 311 - Environmental Ethics (3)**

Explore theories of environmental value; understand and evaluate the ethical implications of environmental choices and policies.

**PHIL 321 - Formal Logic I (3)**

A first course in formal logic. Topics include calculi and artificial languages, the logistic method, truth functions, propositional calculi, calculi for first order logic, and a semantics for first order logic.

**PHIL 322 - Formal Logic II (3)**

Topics could include modal logic; logical metatheory; axiomatic approaches to formal logic; identity, terms, and formalized theories; or higher-order logics.

Prerequisite: PHIL 321 with a minimum grade of D-.

**PHIL 350 - Ethical Theory (3)**

In-depth examination of selected topics in normative ethics and meta-ethics (e.g., the nature of moral values, the possibility of moral knowledge, the structure of moral reasoning).

**PHIL 355 - Social and Political Philosophy (3)**

In-depth examination of selected topics in social and political philosophy (e.g. the concept of political obligation, freedom and dissent, equality and justice, human rights).

**PHIL 360 - Feminist Theories (3)**

This course offers a survey of competing philosophical, political, and epistemological feminist frameworks for understanding gender inequality, examining how feminist theories both build on and critique Western philosophical traditions.

Mutually Exclusive Course: Credit allowed for only one of these courses: PHIL 360 and GNDR 350.

**PHIL 365 - Topics in Value Theory and Public Policy (3)**

This course provides opportunities to explore specific topics within value theory or public policy (e.g., aesthetics, bioethics, environmental policy, or professional ethics).

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**PHIL 366 - Philosophy of Law (3)**

Explores the philosophical problems generated by thinking about law (e.g., the nature of law, the relationship between law and morality, the normative justifications for criminal and tort law, etc.).

**PHIL 371 - Topics in Metaphysics and Epistemology (3)**

This course provides opportunities to explore specific topics within metaphysics and epistemology (e.g., causation, epistemic injustice, modality, or social epistemology).

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**PHIL 372 - Philosophy of Race (3)**

Explores metaphysical and epistemological questions that arise in contexts involving race. In what sense is race real? Is the race of a person epistemologically significant?

**PHIL 373 - Personal Identity (3)**

Explores metaphysical and epistemological issues surrounding the topic of personal identity, and may consider questions raised by cloning, artificial intelligence, disability, death, race and gender among others.

**PHIL 375 - Science Fiction and Philosophy (3)**

This course will use the medium of science fiction (both literature and film) to provide a foundational understanding of several main topics in Metaphysics and Epistemology, including Time, Persistence and Identity, Time Travel, Causation, Free Will, Modality/Possible Worlds, and Skepticism.

Special Notes: PHIL 375 cannot be retaken for credit if PHIL 371 "Science Fiction and Philosophy" title was taken in Spring 2021.

Offered: Generally offered Spring Even Years. Mutually Exclusive Course: Credit allowed for only one of these courses: PHIL 375 and PHIL 371.

**PHIL 377 - Philosophy of Mind (3)**

Philosophical exploration of the nature of the mind, including questions of the mind-body relationship, mental states, consciousness, non-human animal intelligence, and artificial intelligence.

Offered: Generally offered Fall and Spring - Check with department/school for next offering.

**PHIL 385 - Epistemology (3)**

In-depth examination of selected topics in theory of knowledge (e.g., the nature and limits of human knowledge, knowledge and belief, doubt and certainty, perception and intuition, faith and justification).

**PHIL 390 - Metaphysics (3)**

In-depth examination of selected topics in metaphysics (e.g., the nature of space and time, particulars and universals, the different senses of 'being,' substance, causality, identity and difference).

**PHIL 422 - Directed Study (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**PHIL 492 - Internship (1-6)**

Practical training in academic research or public philosophy. Minimum 37.5 clock hours per credit hour. S/U graded.

Repeatable Status: Course is repeatable with no limitations.

**PHIL 495 - Advanced Seminar (3)**

Detailed investigation of a specific philosophical issue. Substantial independent research and at least one oral presentation required.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**PHYS - Physics**

College of Natural and Health Sciences

*Department of Physics and Astronomy (p. 100)*

**PHYS 220 - Introductory Physics I (5)**

(4 lecture, 3 laboratory) First semester of algebra-based physics. Areas covered are classical mechanics and heat. A solid understanding of algebra, geometry and trigonometry is necessary to pass this course.

Mutually Exclusive Course: Credit allowed for only one of these courses: PHYS 220 and PHYS 240. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**PHYS 221 - Introductory Physics II (5)**

(4 lecture, 3 laboratory) Second semester of algebra-based physics. Areas covered are waves, sound, light, electricity, magnetism, and modern physics. A solid understanding of algebra, geometry and trigonometry is necessary to pass this course.

Prerequisite: PHYS 220 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**PHYS 240 - General Physics I (5)**

(4 lecture, 3 laboratory) First semester of calculus-based introductory physics. Areas covered are classical mechanics and heat. A solid understanding of algebra, geometry and trigonometry is necessary to pass this course.

Prerequisite: Concurrent Prerequisite MATH 131 with a minimum grade of D-. Mutually Exclusive Course: Credit allowed for only one of these courses: PHYS 240 and PHYS 220. Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab. Course Fee: Course Fee Required.

**PHYS 241 - General Physics II (5)**

(4 lecture, 3 laboratory) Second semester of calculus-based introductory physics. Areas covered are waves, sound, light, electricity and magnetism. A solid understanding of algebra, geometry and trigonometry is necessary to pass this course.

Prerequisite: (PHYS 240 and Concurrent Prerequisite MATH 132 with a minimum grade of D-). Course Fee: Differential Tuition Required and Course Fee Required.

**PHYS 301 - Seminar in Physics (1)**

Focus on current topics in physics not covered in existing departmental offerings. Oral presentation required. Class attendance mandatory.

Repeatable Status: Course is repeatable with a maximum of 2 credit hours. Course Fee: Differential Tuition Required.

**PHYS 320 - Mathematical Methods I (3)**

Vector calculus, integration techniques, complex variables, ordinary differential equations, and Taylor series. Emphasis on applications to advanced physical sciences and engineering.

Prerequisite: MATH 132 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 321 - Elementary Modern Physics (3)**

Relativity, atomic and nuclear physics, cosmology, and introduction to quantum mechanics.

Prerequisite: PHYS 241 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 323 - Elementary Modern Physics Laboratory (1)**

(3 Laboratory) Lab course introducing students to error analysis techniques and experiments in modern physics, including atomic physics, radioactivity, and quantum effects.

Prerequisite: Concurrent Prerequisite PHYS 321 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 340 - Mechanics (4)**

Intermediate course in classical mechanics. Reference frames, Newton's Laws, work and energy, oscillatory, central force and rigid body motion, and Lagrangian and Hamiltonian dynamics.

Prerequisite: (PHYS 241 with a minimum grade of D-) and (PHYS 320 or MATH 233 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 341 - Electricity and Magnetism I (3)**

Intermediate study of classical electromagnetism. Electrostatics, magnetostatics, electric and magnetic fields in matter, and electrodynamics.

Prerequisite: (PHYS 241 with a minimum grade of D-) and (PHYS 320 or MATH 233 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 342 - Electricity and Magnetism II (3)**

Continued intermediate study of classical electromagnetism. Electrodynamics continued, electromagnetic waves and radiation, electrodynamics and relativity.

Prerequisite: PHYS 341 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 343 - Electronics (3)**

(2 lecture, 3 laboratory) Analysis of analog and digital circuits.

Prerequisite: (PHYS 241 and PHYS 320 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 345 - Quantum Mechanics I (3)**

Wave functions and probability, Schrodinger equation, Dirac notation and matrix formulation of quantum mechanics.

Prerequisite: (PHYS 320 and PHYS 321 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 347 - Optics (4)**

(3 lecture, 3 laboratory) Geometrical, wave, and physical optics, lenses, mirrors, and optical instruments.

Prerequisite: (PHYS 241 and MATH 132 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 355 - Computer Applications in Physics (3)**

(2 lecture, 2 laboratory) Introduction to MATLAB with specific applications to physical problems, simulation of systems, and data acquisition and analysis.

Prerequisite: (PHYS 241 with a minimum grade of D-) and (PHYS 320 or MATH 233 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 360 - Laboratory Physics (2)**

(1 lecture, 3 laboratory) Advanced laboratory skills and analysis methods in physics.

Prerequisite: PHYS 323 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 370 - Research I (1-3)**

Independent experimental, computational or theoretical research in physics. Conferences with research advisor and a research proposal are required. (Minimum of 37.5 clock hours per credit hour.)

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**PHYS 401 - Supervised Science Teaching (1-2)**

Supervised introduction to college-level physics and astronomy instruction. Students will gain experience in lesson planning, assignment creation, grading, and instruction.

Special Notes: Consent of the Instructor required

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**PHYS 420 - Mathematical Methods II (3)**

Boundary value problems, partial differential equations, Laplace and Fourier transforms, special functions, and matrix algebra. Emphasis on applications to advanced physical sciences and engineering.

Prerequisite: PHYS 320 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**PHYS 440 - Thermodynamics and Statistical Mechanics (4)**

Kinetic theory, equations of state, laws of thermodynamics, and applications of statistical mechanics.

Prerequisite: (PHYS 240 and MATH 132 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**PHYS 445 - Quantum Mechanics II (3)**

Perturbation theory, approximation methods, scattering, many-particle systems, and advanced topics.

Prerequisite: PHYS 345 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 447 - Electro-optics (2)**

Lasers and atomic theory, holography, fiber optics, and electro-optic devices.

Prerequisite: PHYS 347 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 448 - Nuclear and Particle Physics (3)**

Nuclear properties and models, radioactive decay, fusion and fission, radiation detection, and elementary particles.

Prerequisite: PHYS 321 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 457 - Solid State Physics (3)**

Introduction to solid state physics, the largest subfield of condensed matter physics. Methods from classical, quantum, and statistical mechanics will be applied to different solid materials to understand their mechanical, electrical, magnetic, and thermal properties. Materials of engineering importance such as semiconductors, superconductors, and magnetic materials will be covered.

Prerequisite: PHYS 345 with a minimum grade of D-. Offered: Generally offered Spring Even Years. Course Fee: Differential Tuition Required.

**PHYS 460 - Laboratory Physics II (2)**

(1 lecture, 3 laboratory) Advanced laboratory projects.

Prerequisite: PHYS 360 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**PHYS 470 - Research II (1-3)**

Independent experimental, computational or theoretical research in physics. Conferences with research advisor and a paper and oral presentation are required.

Prerequisite: PHYS 370 with a minimum grade of D-. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**PHYS 495 - Special Topics in Physics (3)**

Topics of special interest in areas of physics not covered by other courses.

Prerequisite: (PHYS 221 or PHYS 241 with a minimum grade of D-). Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

## PSCI - Political Science

College of Humanities and Social Sciences

*Department of Political Science and International Affairs (p. 86)*

### **PSCI 100 - United States National Government (3)**

Identification and analysis of the principle rules, actors and institutions of national politics and explanation of their development.

Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and GT Economics & Political Sys.

### **PSCI 105 - Fundamentals of Politics (3)**

An introduction to political ideals, with emphasis on concepts of freedom, citizenship, justice, and power; attendant focus on ideologies (from democracy to fascism) and contributions of ancient and modern worlds.

Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and GT Economics & Political Sys.

### **PSCI 110 - Global Issues (3)**

An introduction to the major issues facing the global community such as terrorism, environmental depletion and pollution, immigration, pandemics, economic integration, and regional and international security.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and LAIS-International Studies and GT Economics & Political Sys.

### **PSCI 200 - Introduction to Comparative Politics (3)**

A survey of the concepts and approaches used to study government and politics in countries around the world. Students will become acquainted with politics in different countries around the world.

### **PSCI 203 - Colorado Politics (3)**

Examination of Colorado state and local politics including the institutions and processes of policy making from a comparative perspective.

### **PSCI 207 - Women and Politics (3)**

Examination of the women's movement and its development including the strategies and tactics employed and the ends sought.

### **PSCI 208 - Introduction to Public Administration (3)**

Learn history and theory of public administration. Public policy process, administrative execution, organizational mission and external pressures on administrators analyzed. Emphasize case studies, decisions and impact on citizens.

### **PSCI 210 - European Politics (3)**

An examination of various aspects of European politics using examples from Western and Central Europe. It covers the European Union's functions and its relationship with member countries.

### **PSCI 215 - Post-Communist Russian Empire (3)**

An examination of the politics of the former Communist states in the area including Russia and of relations among the members of the Commonwealth of Independent States.

### **PSCI 220 - Introduction to International Relations (3)**

Learn the basic principles, processes and problems of the international political system.

Class Restriction: Include Sophomore and Junior and Senior.

### **PSCI 230 - The Evolution of the Modern State (3)**

An examination of the historical development of the modern state, its accompanying social structures and intellectual foundations, from the Renaissance to the late-twentieth century.

### **PSCI 240 - Globalization (3)**

Analysis of the political, social and economic aspects of globalization and its bearing upon developments in the modern world in general and the late twentieth century in particular.

### **PSCI 270 - Nationalism, Ethnicity and Race (3)**

An examination of the politics of nationalism, ethnicity, and race in the modern world. Topics include ethnic conflict, the origins of nationalism, new nationalist movements, and the colonial origins of racialized difference.

Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior. Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and LAMS-Multicultural Studies and GT Economics & Political Sys.

### **PSCI 286 - Value Issues in Political Economy (3)**

A study of the political and economic viewpoints on key value issues in society, exploring the influence of seminal thinkers.

Mutually Exclusive Course: Credit allowed for only one of these courses: PSCI 286 and MIND 286. Course Attribute: LAB1-Soc&BehSci-EconorPoli Sys and GT Economics & Political Sys.



**PSCI 296 - Study Abroad Experience (3)**

An experiential approach to learning about the politics, society, history and culture of another country. Students engage with the local community through assignments, field trips and meetings with practitioners.

Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time.

**PSCI 301 - Electoral Politics in the United States (3)**

An examination of the process for the nomination and election of national officials. What are the roles of the electorate, interest groups, political parties and the media.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 302 - Power in America (3)**

An examination of different theories of political and economic power and their applications to the national arena with special emphasis on corporate power and policymaking.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 303 - Public Policy in the United States (3)**

American public policy in the areas of health care, transportation, education, housing, labor-management relations, income maintenance and taxation.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 306 - Constitutional Law (3)**

An analysis of Supreme Court decisions regarding civil liberties and relations among the branches of the national government and between the national and state governments.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 309 - American Political Development (3)**

Examination of the changing contours of American national government focusing on political economy, social policies, race, and political culture; the dynamics of state building from constitutional origins through the 21st century.

**PSCI 315 - Comparative Public Policy (3)**

Cross-nationally compare public policy in such areas as education, transportation, taxation, population and income maintenance. Identify and explain differences and similarities across policy areas within one country and cross-nationally.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 316 - Latin American Politics (3)**

An examination of the dynamics of Latin American politics in terms of its domestic, regional, and international aspects.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 317 - Dictatorship to Democracy (3)**

Examination of why and how countries in various regions of the world have moved from bureaucratic authoritarianism and military rule to democratic forms of government.

**PSCI 318 - The Politics of the Developing States (3)**

Analysis of the politics of the developing states from a comparative and historical perspective. Emergence of a Third World and domestic politics of selected states will be examined.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 319 - Asian Politics (3)**

Examination of economic development, domestic politics and international security issues affecting Asian nations, such as India, China and Japan.

**PSCI 320 - American Foreign Policy (3)**

Analysis of American foreign policy with emphasis on the Twentieth Century and of the process by which policy is made.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 321 - War and Peace (3)**

Examination of the causes and occasions of wars and of the peaceful resolution of international disputes.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 323 - Politics of Religion (3)**

An examination of the relationship between religion and politics in a comparative context spanning different world religions and historical periods.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 325 - Conflict in the Middle East (3)**

Examination of the principal governmental and nongovernmental actors and their policies in the Middle East and relations among them.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 326 - International Political Economy (3)**

An examination of the dynamics of the global economy, including trade, capital movements and investment, and the politics of international economic competition and integration.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 327 - Politics of Migration (3)**

An examination of the politics of migration, including the causes and effects of migration, refugees and forced migration, global governance of migration, the politics of citizenship and immigration, and regional migration patterns that affect global and national affairs.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 328 - International Law and Organizations (3)**

An examination of international organizations, e.g., U.N. and O.A.S., and international agreements concerning the environment, health, finance, trade, etc.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 331 - Political Philosophy I (3)**

Analysis and evaluation of the principles and institutions proposed by major philosophers from Plato to Hobbes.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 332 - Political Philosophy II (3)**

Analysis and evaluation of the principles and institutions proposed by major philosophers from Rousseau to Freud.

Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 335 - American Political Thought (3)**

Analysis and evaluation of the principles and institutions proposed by major American philosophers from the framers of the Constitution to the present.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Class Restriction: Include Sophomore and Junior and Senior.

**PSCI 350 - Politics and Film (3)**

This course examines perennial questions concerning the problems of truth, global identity, nationhood, culture, the individual, and political life through the lens of world cinema.

Corequisite: PSCI 351.

**PSCI 351 - Screening for PSCI 350 (0)**

Once per week screening time to complement PSCI 350.

Corequisite: PSCI 350.

**PSCI 392 - Internship (1 - 13)**

Provides opportunity for field experience in a variety of governmental and nongovernmental settings.

Prerequisite: 9.0 Credit Hours in PSCI. Repeatable Status: Course is repeatable with a maximum of 13 credit hours.

**PSCI 405 - Senior Seminar in American Politics (3)**

An in-depth analysis of select problems in American Politics.

Class Restriction: Include Senior.

**PSCI 415 - Senior Seminar in Comparative Politics (3)**

An in-depth analysis of select problems in Comparative Politics.

Class Restriction: Include Senior.

**PSCI 422 - Directed Studies (1-3)**

Credit counts toward major, students must have taken two courses in the elective group of proposed directed study. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**PSCI 425 - Senior Seminar in International Relations (3)**

An in-depth analysis of select problems in International Relations.

Class Restriction: Include Senior.

**PSCI 435 - Senior Seminar in Political Philosophy (3)**

An in-depth analysis of select problems in Political Philosophy.

Class Restriction: Include Senior.

**PSY - Psychology**

College of Education and Behavioral Sciences

*School of Psychological Sciences (p. 78)*

**PSY 120 - Principles of Psychology (3)**

Surveys psychology as a science and applied discipline, including research methods, statistics, learning, motivation, sensation, perception, intelligence, personality and physiological, developmental, social and abnormal psychology.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**PSY 166 - Skills and Careers in Psychological Sciences (3)**

This course will prepare students to be critical consumers of non-scientific and scientific information, and allow students to explore the many career and graduate opportunities with a degree in psychology.

Prerequisite: Concurrent Prerequisite PSY 120 with a minimum grade of D-.

**PSY 200 - Psychological Statistics (3)**

Covers basic statistical analysis procedures. Emphasizes descriptive and inferential statistics as well as computer applications for data analysis.

Prerequisite: (PSY 120) and (MATH 120 or MATH 124 or Completion of LC2-Mathematics course or Completion of LAX1-Mathematics course). Major/Minor Restriction: Include Psychology Major(s).

**PSY 201 - Research Methods in Psychology (3)**

This class affords all psychology majors the opportunity to learn the foundations of research methodology, design, and analysis.

Prerequisite: (PSY 120 and PSY 200 with a minimum grade of D-).

**PSY 230 - Lifespan Development (3)**

Introduction to the science of developmental psychology. Study basic concepts and issues related to cognitive, socioemotional and physical development from conception through senescence.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**PSY 247 - Adolescent Learning and Motivation (3)**

Principles of adolescent learning, development, and motivation with applications for secondary classroom setting.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc.

**PSY 255 - Introduction to Mental Health (3)**

Study abnormal behavior: causes, symptoms, characteristics, classification, prevention and treatment.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 265 - Social Psychology (3)**

Survey major areas of social psychology, discussing nature of and factors involved in human social behavior, impression management, prosocial behavior, aggression, conformity, obedience to authority, attitude change and interpersonal attraction.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**PSY 271 - Psychological Testing and Measurements (3)**

Receive an introduction to psychological test theory, interpretation of results, group and individual tests (cognitive, affective and psychomotor), reliability, validity and standardization procedures.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 280 - Psychology of Human Sexuality (3)**

The Psychology of Human Sexuality is a survey course in human reproductive behavior. Topics include pregnancy and contraception, behaviors associated with the spread of sexuality transmitted infections, romance and coupling behavior, sex trades, sexual orientation, gender identity, aberrant sexual behavior and sexual dysfunction. Psychology and behavior of sexuality will be stressed.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 323 - Health Psychology (3)**

Explore psychological factors in maintenance of wellness, treatment of illnesses and recovery from or adjustment to ongoing health problems. Study theory, research methods and clinical applications in health psychology.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 330 - Child and Adolescent Psychology (3)**

Focus on human development from conception through adolescence, particularly physical, cognitive and socioemotional development. Learn research methods for studying developmental processes.

**PSY 331 - Maturity and Aging (3)**

Explore physical, cognitive and socioemotional variables related to adult development encompassing an age range from 20 to over 100. Emphasis in learning various research methods.

**PSY 332 - Psychology of Death and Dying (3)**

Explore the dying process, funeral rites/rituals, grief and bereavement of Western and other cultures. Topics include loss experiences, fear of death, reactions to death, euthanasia, suicide, and the care and treatment of the terminally ill.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 340 - Psychology & Culture (3)**

Explore how sociocultural contexts impact psychological processes. Topics include cultural issues in research and testing, cultural differences in worldviews and communication, acculturation, stereotyping, cultural identity development, and culture and health.

**PSY 341 - Learning and Memory (3)**

Explore principles of classical and operant conditioning. Understand principles as the basis for concept learning, problem solving, information processing and memory. Emphasis on human behavior in everyday life.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 347 - Educational Psychology for Elementary Teachers (3)**

Study the relationships between theory, research, and practice in learning, memory, child development, motivation, and educational assessment for elementary classroom settings.

Prerequisite: (GPA-2.75) and (Concurrent Prerequisite EDFE 110 with a minimum grade of S or Concurrent Prerequisite EDFE 120 with a minimum grade of S or Concurrent Prerequisite EDFE 125 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP or Completion of Applic for Full Adm to PTEP).

**PSY 349 - Educational Psychology for Secondary Teachers (3)**

Study the application of principles derived from research on learning, memory, adolescent development, motivation, and educational assessment and measurement to secondary classroom settings.

Prerequisite: (GPA-2.5) and (Concurrent Prerequisite EDFE 110 with a minimum grade of S or Concurrent Prerequisite EDFE 120 with a minimum grade of S or Concurrent Prerequisite EDFE 125 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP or Completion of Applic for Full Adm to PTEP).

**PSY 350 - Theories of Personality (3)**

Study psychological theories and research methods used to explain personality development and functioning including psychoanalytic, neopsychoanalytic, cognitive, behavioral, humanistic and type-trait theories.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 365 - Psychology and the Law (3)**

Examine social psychological theories and methods related to the legal system issues e.g., jury selection, eyewitness testimony, and death penalty cases.

Prerequisite: (PSY 265 or SOC 332 with a minimum grade of D-).

**PSY 366 - Industrial Psychology (3)**

Discover basic methods employed by psychologists in selection, placement, training and motivation of industrial personnel. Examine psychological factors influencing morale, production and job satisfaction.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 375 - Sensation and Perception (3)**

Survey of how humans perceive the world through vision, hearing, touch, taste and smell. Examine physiological mechanisms, sensory processes, development, and theories of perception for each sensory modality.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 380 - Behavioral Neuroscience (3)**

This class is designed to give students an introduction to neuroanatomy, neurophysiology, and psychopharmacology while stressing the functional relationship between the nervous system and behavior.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 401 - Advanced Research Methods in Psychology (3)**

This class will cover advanced topics in research methods and statistical techniques, including multi-factor designs and statistical analyses, post-hoc tests, qualitative research, and advanced topics in research ethics. Each student will conduct a literature review, design a research study, collect/analyze data, and report results consistent with A.P.A. style in written and oral form.

Prerequisite: (GPA-3.0) and (PSY 201 with a minimum grade of D). Offered: Generally offered Fall - Check with department/school for next offering. Major/Minor Restriction: Include Psychology Major(s). Class Restriction: Include Junior and Senior.

**PSY 407 - Introduction to Counseling Theories (3)**

Survey current theoretical approaches with individuals and groups. Not intended as training in counseling approaches, but as basis for future study.

Prerequisite: (GPA-3.0) and (PSY 350 with a minimum grade of D-). Major/Minor Restriction: Include Psychology Major(s). Class Restriction: Include Junior and Senior.

**PSY 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**PSY 430 - Developmental Disabilities and Psychopathology (3)**

This course will examine the major categories of developmental disability (e.g., Intellectual Disability) and psychopathology (e.g., Anxiety) that can be diagnosed during childhood and adolescence.

Prerequisite: (GPA-3.0) and (PSY 230 with a minimum grade of D). Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Include Junior and Senior.

**PSY 440 - Cognition (3)**

Explore human cognition by examining perception, attention, memory, intelligence, problem and cognitive development. Become familiar with neural bases of cognition, theoretical perspectives and research methods.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 443 - Motivation (3)**

Investigate motivational concepts and related research: drive, goals, direction, incentive, reinforcement, external stimulation, emotion, homeostasis, biological aspects, instinct and self-actualization.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 460 - Clinical Psychology (3)**

Examine roles and skills required of a clinical psychologist including ethics, multicultural issues, limitations, and skills.

Prerequisite: (GPA-3.0) and (PSY 120 and PSY 255 with a minimum grade of D). Class Restriction: Include Junior and Senior.

**PSY 465 - Forensic Psychology (3)**

Examine concepts, theories, and strategies for clinical psychology in legal settings. Explore assessments, interventions, and interactions with the legal system.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 467 - Psychology of Prejudice (3)**

Understand basic causes of prejudice and how prejudicial behavior is learned and diminished. Experience increased understanding of others.

Prerequisite: PSY 120 with a minimum grade of D-.

**PSY 475 - Evolutionary Psychology (3)**

This course surveys the field of evolutionary psychology, focusing on theories that attempt to explain human behavior in terms of evolution and natural selection.

Prerequisite: (GPA-3.0) and (PSY 120 with a minimum grade of D). Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Include Junior and Senior.

**PSY 481 - Advanced Behavioral Neuroscience (3)**

(2 lecture, 2 laboratory) This class and required zero credit lab investigates higher-order physiological processing of the nervous system through lecture and experiential learning activities. Topics may include the sensory systems, sleep, reproductive behavior, emotion, learning, memory, and/or human communication.

Prerequisite: (GPA-3.0) and (PSY 380 with a minimum grade of D-). Major/Minor Restriction: Include Psychology Major(s). Class Restriction: Include Junior and Senior. Course Fee: Course Fee Required.

**PSY 491 - Psychology Field Experience (1-6)**

Get full or part-time experience working with professionals in psychology, for one or more semesters. Make arrangements with instructor and supervisor during semester before registration. S/U graded.

Prerequisite: PSY 120 with a minimum grade of D-. Major/Minor Restriction: Include Psychology Major(s). Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**PSY 492 - Instructional Aide (1-3)**

Assist in instructional tasks under the direct supervision of a faculty member. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**PSY 493 - Practicum in Psychology (1-3)**

Assist psychology faculty with research or laboratory; 38 clock hours per credit hour. Maximum of four (4) credits apply to psychology major. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours.

**PSY 495 - Special Topics in Psychology (1 - 5)**

Scheduled on irregular basis.

Prerequisite: PSY 120 with a minimum grade of D-. Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**PVA - Performing and Visual Arts**

*College of Performing and Visual Arts (p. 102)*

**PVA 152 - Writing and Scholarship in the Performing and Visual Arts (3)**

A study in the basics of communication and scholarship in the music, fine arts, and theatre, with emphasis on problems of style, organization, logical thinking, and sources.

Prerequisite: (ENG 122 with a minimum grade of D- or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34). Course Attribute: LAW2-Intermediate Written Comm and GT Intermediate Composition.

**PVA 210 - Introduction to Arts Entrepreneurship (3)**

This course has been designed to introduce you to entrepreneurship as a philosophy to guide you, the emerging artist, as you consider, launch and progress in your chosen career. Whether you choose to focus on theatre, music, dance, visual arts, design, or performing arts management, or any combination thereof, the intention of this course is to provide tools for your professional success.

Course Fee: Differential Tuition Required.

**PVA 220 - Creative Thinking and Strategies (3)**

Creative thinking examined through the Arts in individual, and socio-cultural contexts and applied to careers in education, humanities and sciences.

Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**PVA 499 - PVA Capstone/Special Project (1)**

This course is for students who are required to complete a PVA capstone for their degree program, OR who are completing a PVA special project under the guidance of an instructor for credit. Each capstone is designed to target a specific topic for each student under the supervision of the instructor. S/U graded.

Course Fee: Differential Tuition Required and Course Fee Required.

**RTH - Recreation, Tourism and Hospitality**

Kenneth W. Monfort College of Business

*Recreation, Tourism, and Hospitality (p. 91)*

**RTH 203 - Introduction to Recreation, Tourism and Hospitality (3)**

Conceptual foundations of play, recreation, leisure, tourism, hospitality. Historical and cultural perspectives, economic and political significance, leisure behavior, the environment, relationship of leisure service agencies, professionalism, issues and trends.

Course Fee: Differential Tuition Required.

**RTH 206 - Commercial Recreation, Tourism and Hospitality (3)**

Organization of commercial recreation, tourism, and hospitality. Supply and demand components, historical and cultural perspectives, marketing, public relations, promotional techniques, roles of commercial leisure delivery systems, and programming strategies.

Course Fee: Differential Tuition Required.

**RTH 231 - Leadership in RTH (3)**

Organization, group leadership, assessment, time management, evaluation of RTH programs, followership, special event management, programming strategies in RTH. Human development for all populations throughout the lifespan; techniques, strategies and resources for a variety of RTH settings.

Course Fee: Differential Tuition Required.

**RTH 232 - Leadership in Parks and Recreation (3)**

Group management, ethical leadership, program execution/development/evaluation, and event management. Motivating for activity participation. Managing problematic participant behavior. Leading safely, according to age groups in parks and recreation settings.

Course Fee: Differential Tuition Required.

**RTH 233 - Leadership in Tourism and Hospitality (3)**

The course is designed to assist students in the five critical stages of successful event leadership: research, design, planning, coordination and evaluation. Professional opportunities in the event management industry discussed.

Course Fee: Differential Tuition Required.

**RTH 322 - Agritourism Hospitality Management and Administration (3)**

Study of hospitality strategic management and administration in an agritourism context. Students will learn situation analysis, creation of a business plan, budgeting and financial management, product development and marketing.

Prerequisite: RTH 321 with a minimum grade of D-.

Course Fee: Differential Tuition Required.

**RTH 351 - Facilities Design & Operations in Parks, Recreation and Tourism (3)**

Study planning, designing, and operating leisure services areas and facilities; environmental impact; relationship between leisure services, tourism and hospitality. Assessment, standards, regulations, maintenance, operations, construction, equipment. Contracting and RFP process

Prerequisite: (RTH 203 and RTH 206 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**RTH 368 - Program Planning in Recreation, Tourism and Hospitality (3)**

Structure of recreation, tourism, and hospitality programs and services for all populations and cultures in diverse leisure settings; marketing, public relations, needs assessment, planning, implementation, evaluation of programs and services.

Prerequisite: (RTH 203 and RTH 206 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**RTH 369 - Event Programming and Management (3)**

Advanced study of the meetings, conventions, special events, and exposition industry. Topics covered include event planning, event development and implementation, marketing and public relations, risk management, and event management opportunities.

Prerequisite: (RTH 203 and RTH 206 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**RTH 390 - Recreation, Tourism and Hospitality Administration and Law (3)**

Study of law and administrative principles in recreation, tourism and hospitality. Exploration of statutes, tort, employment, federal and state cases, and contract concepts in the management of leisure services.

Prerequisite: (RTH 203 and RTH 206 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**RTH 394 - Practicum in Recreation, Tourism and Hospitality (3)**

Supervised experience in an agency, which provides recreation and/or tourism and hospitality services. Agency and student placement pre-approved.

Prerequisite: (RTH 368 or RTH 369 with a minimum grade of D-). Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**RTH 408 - Workshop (1-3)**

Workshops on topics in professional preparation taught by practitioners on site. Topics cover standards that require students to demonstrate didactic skills and use agency resources not available on campus.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**RTH 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**RTH 444 - Experience Industry Issues and Trends (3)**

Discussion, research, and applications in contemporary issues of the experience industry (recreation, tourism and hospitality). Study of practices guiding professionals in financial management, competition, marketing, event planning, and sustainability.

Prerequisite: (RTH 369 or RTH 368 with a minimum grade of D-). Major/Minor Restriction: Include Recreation (and) Recreation and Tourism (and) Rec, Tourism, Hospitality Major(s). Course Fee: Differential Tuition Required and Assessment Fee Required.

**RTH 451 - Management of Parks and Recreation Services (3)**

Personnel, budgeting, financing, organizational practices, legal and legislative processes, regulatory standards, risk management and applications of computers and technology to the management of recreation, tourism & hospitality services.

Prerequisite: (RTH 394 with a minimum grade of D-) and (RTH 368 or RTH 369 with a minimum grade of D-). Major/Minor Restriction: Include Recreation and Tourism (and) Rec, Tourism, Hospitality Major(s). Course Fee: Differential Tuition Required.

**RTH 452 - Management of Tourism and Hospitality Services (3)**

This course focuses on the organizational structures, operations, and practices of management in tourism and hospitality. Topics include financing, planning and organizing, communication, business ethics, marketing, regulatory standards, and budgeting.

Prerequisite: (RTH 368 or RTH 369 with a minimum grade of D-) and (RTH 394 with a minimum grade of D-). Major/Minor Restriction: Include Recreation and Tourism (and) Rec, Tourism, Hospitality Major(s). Course Fee: Differential Tuition Required.

**RTH 453 - Management of RTH Services (3)**

Management theory and practice, leadership, policy development, motivation, personnel, budgeting, financing, organizational practices, legal and legislative processes, management ethics, regulatory standards, risk management, grantsmanship, and applications of computers and technology to the management of RTH services.

Prerequisite: RTH 368 with a minimum grade of C. Program Restrictions: Include Rec, Tourism, Hospitality-BS. Course Fee: Differential Tuition Required.

**RTH 490 - Evaluation and Research in Recreation, Tourism and Hospitality (3)**

Apply research and evaluation procedures, techniques, and methods. Use communication tools, media and computers to analyze data and present evaluation or research findings in recreation, tourism, or hospitality services.

Prerequisite: (RTH 368 or RTH 369 with a minimum grade of D-) and (STAT 150 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Rec, Tourism, Hospitality (and) Recreation and Tourism Major(s). Course Fee: Differential Tuition Required.

**RTH 492 - Internship in Recreation, Tourism and Hospitality (3 - 12)**

A minimum of 37.5 clock hours required per credit hour. Course consists of minimum 12 weeks in an approved agency under qualified supervisor with tasks encompassed by professional competencies of accreditation and certification bodies.

Repeatable Status: Course is repeatable with a maximum of 12 credit hours. Course Fee: Differential Tuition Required.

**SCED - Science Education**

College of Natural and Health Sciences

*Science Education Programs (p. 101)*



**SCED 381 - Science Education Teaching Assistant (2)**

As a teaching assistant students will deepen their understanding of fundamental science, practice effective questioning techniques, learn to safely and practically set up labs and study how students learn science.

Prerequisite: SCI 266 with a minimum grade of D-.  
Repeatable Status: Course may be repeated 1 time.

**SCED 422 - Directed Studies (1-4)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SCED 440 - Strategies in Teaching Secondary Science (1)**

(2 laboratory) Become familiar with the professional responsibilities of teaching science and provide entry level operational knowledge of the instructional strategies, technique, materials, and technology available along with the required science content.

Course Fee: Differential Tuition Required.

**SCED 441 - Methods of Teaching Secondary School Science (3)**

Consider curriculum and classroom organization, testing and evaluation, procedures and materials, relationship of subject area to total secondary program, emphasizing teaching techniques.

Corequisite: STEP 363. Course Fee: Differential Tuition Required.

**SCED 475 - Teaching Science in the Elementary School (3)**

(2 lecture, 2 laboratory) Develop knowledge of models for science instruction, objectives, learning, curriculum, safety, technology, and assessment for teaching science grades K-8.

Prerequisite: (Completion of Applic for Full Adm to PTEP or EDFE 120 with a minimum grade of S). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**SCI - Science**

College of Natural and Health Sciences

*School of Biological Sciences (p. 95)*

*Department of Chemistry and Biochemistry (p. 96)*

*Department of Earth and Atmospheric Sciences (p. 97)*

*Department of Physics and Astronomy (p. 100)*

**SCI 107 - Frontier of Science Institute-STEM Experience (4)**

Six-week summer course introducing motivated high school students to STEM (science, technology, engineering and mathematics) concepts through integrated, engaging experiences. Coursework helps clarify interests and build critical STEM skills.

Course Fee: Differential Tuition Required.

**SCI 225 - Writing on Scientific Practices (3)**

This course will prepare students to be able to communicate effectively in a variety of mediums (written, oral, and digital) as educators about scientific practices. Ideal for pre-service teachers.

Prerequisite: ENG 122 with a minimum grade of D-.  
Course Attribute: LAW2-Intermediate Written Comm.

**SCI 265 - Physical Science Concepts (3)**

(2 lecture, 2 laboratory) Investigation of physical science concepts (physics and chemistry), emphasizing their application to everyday life. Designed for elementary majors to build a strong conceptual foundation in the physical sciences.

Offered: Generally offered Fall and Spring Annually.  
Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Physi Science Lab. Course Fee: Course Fee Required.

**SCI 266 - Earth and Life Science (4)**

(3 lecture, 2 laboratory) A look at the fundamental concepts in Earth Systems and Life Sciences. Students will expand their knowledge and skills through hands on, minds-on experiences. Ideal for students seeking Elementary licensure.

Offered: Generally offered Fall and Spring Annually.  
Course Attribute: LAS1-Natural & Physical Science and LASL-Natural&Physi Science LAB. Course Fee: Course Fee Required.

**SCI 291 - Scientific Writing (3)**

Techniques of problem identification, literature survey, data interpretation and synthesis and technical reports.

Prerequisite: (ENG 122 or SAT Verbal with a minimum score of 630 or ACT English with a minimum score of 30 or SAT Reading Test with a minimum score of 34). Course Attribute: LAW2-Intermediate Written Comm and GT Intermediate Composition.

**SCI 365 - Advanced Physical Science Concepts (4)**

(3 lecture, 2 laboratory) Application of advanced physical science concepts to everyday life. This course will delve into both state and national standards and train future teachers how to integrate science into other disciplines.

Prerequisite: SCI 265 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**SCI 465 - Principles of Scientific and Engineering Practices (2)**

This course will prepare pre-service teachers to be able to communicate as educators about scientific and engineering practices.

Prerequisite: SCI 265 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES - Sport and Exercise Science**

College of Natural and Health Sciences

*Department of Kinesiology, Nutrition, and Dietetics (p. 98)*

**SES 100 - Basketball (1)**

Gain knowledge and skill in the game of basketball.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 102 - Soccer (1)**

Gain knowledge and skill in the game of soccer.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 104 - Volleyball (1)**

Gain knowledge and skill in the game of volleyball.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 108 - Activity Workshop (1)**

This course focuses on the development of basic skills and techniques in a designated physical activity.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**SES 111 - Bowling (1)**

Gain knowledge and skill in the game of bowling.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Participation Fee Required.

**SES 114 - Golf (1)**

Gain knowledge and skill in the game of golf.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Participation Fee Required.

**SES 118 - Swimming (1)**

Gain knowledge and skill in the activity of swimming.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 123 - Introduction to Sport and Exercise Science (3)**

To prepare students for their academic work and future professional choices in the various concentrations within Sport and Exercise Science.

Course Fee: Differential Tuition Required.

**SES 125 - Hiking (1)**

Gain knowledge and skill in the activities of hiking.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 134 - Self Defense (1)**

Gain knowledge and skill in the activity of self defense.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 145 - Activity for Stress Management (1)**

Use of a variety of physical activities to control stress.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 146 - Group Fitness (1)**

Improve personal skills and fitness through conditioning activities.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 149 - Fitness and Conditioning (1)**

Improve personal skills and fitness through fitness and conditioning activities.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 150 - Jogging and Walking (1)**

Improve personal skills and fitness through jogging and walking.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 153 - Weight Training (1)**

Improve personal skills and fitness through weight training activities.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 160 - History of Sport in the United States (3)**

This course will provide students with a broad overview of the history of sport in the United States. Students will discover the traditions, belief systems, and ideas that formed the US sport industry.

Course Fee: Differential Tuition Required.

**SES 170 - Introduction to Field Based Experience (1)**

Practical experience for those wishing to explore a career in teaching. Placement in most public or private schools, agencies, preschool through high school. Experience is to coordinate practice with theory. S/U graded.

Prerequisite: (Completion of Applic for Initial Adm to PTEP or EDFE 110 with a minimum grade of S).

Corequisite: SES 266. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 201 - Track and Field (1)**

To teach the rules, training principles, techniques, movement skills, and analyses of the sport of track and field to professional preparation candidates completing a physical education major.

Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 202 - Lifetime Sports and Physical Activities (3)**

Exploration, participation, and analysis of a variety of lifetime sports and physical activities that contribute to one's personal health and well-being across the life-span.

Major/Minor Restriction: Include K-12 Ed:Physical Education Major(s). Course Fee: Differential Tuition Required.

**SES 209 - Dance Activities (1)**

Focus on participation and analyses of traditional, social, American folk and square, and popular dance forms appropriate for upper elementary and secondary physical education.

Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 210 - Developmentally Appropriate Elementary Activities (3)**

Exploration, participation, and analysis of broad based variety of physical activities that promote an optimal childhood development of movement foundations.

Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 220 - Anatomical Kinesiology (4)**

(3 lecture, 2 laboratory) Study of the anatomical bases of human movement. Laboratory provides application of principles.

Course Attribute: LAS1-Natural &Physical Science and LASL-Natural&Physi Science LAB and GT Natural & Phys Science Lab.

**SES 221 - Weight Training Techniques (1)**

This course is designed to introduce proper weight training terminology and basic training programs. Learn weight training safety to better demonstrate, evaluate, assess, and coach basic weight training techniques.

Prerequisite: SES 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES 233 - Advanced First Aid and Cardiopulmonary Resuscitation (2)**

Provide advanced and additional topics relative to first aid, i.e., increase proficiency skills, update CPR knowledge, increase knowledge in preventive and causative factors of injury and illness.

Course Fee: Differential Tuition Required.

**SES 240 - Secondary Physical Education Content (3)**

Facilitate enhanced performance, analysis, and understanding of net/wall games, target games, invasion games, and field run/score games through a models-based instructional approach.

Major/Minor Restriction: Include SES: PE (K-12) Teaching (and) Physical Ed (K-12) (and) K-12 Ed:Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 241 - Secondary Physical Education Content II (3)**

Facilitates enhanced performance, analysis, and tactical understanding of net/wall games and target games (e.g., tennis, volleyball, badminton, golf, shuffleboard, bocce, disc golf).

Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 243 - Outdoor and Adventure Programming (3)**

Designed to provide physical education majors with activities and teaching strategies necessary for integrating and implementing outdoor and adventure activities into a school program.

Course Fee: Differential Tuition Required and Participation Fee Required.

**SES 266 - Introduction to Physical Education as a Profession (3)**

Focus on historical and current issues and philosophical perspectives of physical education, sport, and fitness. Implications for today's physical education programs will be identified and discussed.

Prerequisite: (GPA-2.5) and (Concurrent Prerequisite EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Corequisite: SES 170. Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) SES: Youth Development Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 270 - Introduction to Sport Administration (3)**

This class is designed to provide students with a broad overview of the sport industry. A wide variety of topics including: law, management, economics, and marketing areas are covered.

Course Fee: Differential Tuition Required.

**SES 280 - Prevention and Care of Sports Injuries (3)**

Emphasis on prevention of and care for injury to athletic populations. Includes an overview of injury pathology and diagnosis, initial care, and long-term management concepts related to common pathologies.

Prerequisite: SES 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES 295 - Special Topics in Sport Coaching (3)**

A variety of special topics related to sport, sport coaching, and issues within this field of study.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**SES 300 - Management of Sport Organizations (3)**

This class is designed to provide students with knowledge in pertinent managerial aspects of sport. A wide variety of topics including: leadership, employee attitudes, and general management areas are covered.

Course Fee: Differential Tuition Required.

**SES 311 - Sport Officiating (4)**

(3 lecture, 2 laboratory) Study officiating requirements for sports with an emphasis on mechanics, rule interpretation, and rule enforcement. Understanding rules, gaining practical experience officiating, and working towards a certification are all included.

Course Fee: Differential Tuition Required.

**SES 312 - Coaching and Officiating of Baseball (2)**

Study techniques and strategies of coaching competitive baseball and obtain background and understanding of rules and techniques of baseball officiating.

Course Fee: Differential Tuition Required.

**SES 313 - Coaching and Officiating of Basketball (2)**

Study techniques and strategies of coaching competitive basketball and obtain background and understanding of rules and techniques of basketball officiating.

Course Fee: Differential Tuition Required.

**SES 314 - Coaching and Officiating of Football (2)**

Study techniques and strategies of coaching football and obtain background and understanding of rules and techniques of football officiating.

Course Fee: Differential Tuition Required.

**SES 317 - Coaching and Officiating of Track and Field (2)**

Study techniques and strategies of coaching competitive track and field and obtain background and understanding of rules and techniques of track and field officiating.

Course Fee: Differential Tuition Required.

**SES 318 - Coaching and Officiating of Soccer (2)**

Study techniques and strategies of coaching competitive soccer and obtain background and understanding of rules and techniques of soccer officiating.

Course Fee: Differential Tuition Required.

**SES 321 - Coaching and Officiating of Volleyball (2)**

Study techniques and strategies of coaching competitive volleyball and obtain background and understanding of rules and techniques of volleyball officiating.

Course Fee: Differential Tuition Required.

**SES 322 - Exercise Physiology I (3)**

Investigate the basic concepts in the physiological components of human movement.

Prerequisite: (SES 220 or BIO 245 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**SES 323 - Motor Learning and Development (3)**

Study of the neuropsychological components of motor behavior, with an emphasis on movement problems. Laboratory provides application of concepts.

Course Fee: Differential Tuition Required.

**SES 324 - Exercise Physiology II (3)**

(2 lecture, 2 laboratory) Application of the physiological principles of human movement as they relate to the response to exercise training, training for sport performance, sport nutrition, and ergogenic aids.

Prerequisite: SES 322 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES 331 - Biomechanics (3)**

(2 lecture, 2 laboratory) Application of mechanical principles in the study of human movement. Laboratory provides application of concepts.

Special Notes: 3 Math credits or equivalent required.

Prerequisite: SES 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES 333 - Psychology of Exercise and Physical Activity (3)**

Application of psychological concepts, theory, principles, and empirical findings to exercise and physical activity experiences, promotion, settings and programming.

Course Fee: Differential Tuition Required.

**SES 335 - Principles of Coaching (3)**

This course is designed to introduce students to the basic principles, philosophies and theories associated with effective athletic coaching.

Course Fee: Differential Tuition Required and Participation Fee Required.

**SES 336 - Sport for Children and Youth Athletes (3)**

Studying the influences on, the consequences of, the involvements of, and the best practices of those who work with children and youth athletes.

Course Fee: Differential Tuition Required.

**SES 337 - Sport for High Performance Athletes (3)**

Understanding aspects of mental and physical training, coaching methods and strategies, and an exploration of social-psychological factors related to the successful performance of elite level athletes and teams.

Course Fee: Differential Tuition Required.

**SES 338 - Teaching Diverse Populations (4)**

(3 Lecture, 2 Practicum) This course is designed to assist students in acquiring methods and techniques for teaching diverse populations in traditional and alternative physical activity settings.

Prerequisite: GPA-2.5. Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 340 - Planning, Assessment, and Instruction in Physical Education (4)**

(3 lecture, 3 laboratory) The introductory course in a sequence of professional teaching skills courses. Identify and develop the beginning teaching skills that are necessary for effective instruction in physical education.

Prerequisite: (GPA-2.5) and (SES 240 and SES 266 with a minimum grade of D-) and (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP) and (SES 210 with a minimum grade of D-).

Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 342 - Physical Activity and Fitness in Schools (3)**

Facilitate future teacher's knowledge, skills appreciation and confidence needed to lead school-aged children in the development of active healthy lives.

Prerequisite: GPA-2.5. Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 370 - Sport Finance (3)**

This course introduces students to current issues in sport finance and economics. Specific topics that will be covered include accounting, economics, finance, and policy procedures in the sport industry.

Prerequisite: (ECON 203 and ECON 205 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**SES 375 - Event and Facility Management (3)**

This course is designed to provide students information and knowledge on the operation and management of sports facilities and events.

Course Fee: Differential Tuition Required.

**SES 390 - Pre-Internship Seminar in Sport Administration (1)**

This course will prepare students for their internship and future career in sport. The course is focused on the practical application of content from coursework to the real-world sport industry.

Program Restrictions: Include SES:Sport Administration-BS. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**SES 392 - Internship in Sport Coaching (1-6)**

Put into practice the knowledge and skills learned in the classroom. Assume responsibilities in administration supervision and evaluation athletic settings. S/U graded.

Repeatable Status: Course may be repeated 1 time. Course Fee: Differential Tuition Required.

**SES 403 - Physical & Health Education for Elementary Teachers (1)**

Examination of school wide approaches to physical activity and health promotion in elementary school settings.

Prerequisite: (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Major/Minor Restriction: Include Elementary Education (and) Interdisciplinary Studies Major(s). Course Fee: Differential Tuition Required.

**SES 405 - Exercise Oncology (3)**

This course will prepare individuals to design and conduct exercise intervention programs for cancer patients. The physiological alterations from cancer therapy and the exercise effects will be presented.

Prerequisite: (SES 322 and SES 324 with a minimum grade of D-).

**SES 406 - Practicum in Cancer Rehabilitation (3)**

This course will review the of basics cancer rehabilitation principles, followed by instruction on the clinical skills necessary for students to work directly with cancer patients in an exercise setting.

Prerequisite: SES 324 with a minimum grade of D-. Repeatable Status: Course may be repeated 1 time. Course Fee: Differential Tuition Required.

**SES 408 - Workshop in Sport and Exercise Science (1-3)**

A variety of special topics related to issues associated with the sport and exercise science field of study.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**SES 410 - Cardiac Rehabilitation (3)**

Basic electrocardiography and ECG interpretation will be studied. Emphasis is on interpretation of resting and exercise ECG's, monitoring procedures, interpretation of abnormalities and drugs that may affect exercise.

Prerequisite: SES 322 with a minimum grade of D-. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**SES 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**SES 424 - Complementary and Integrative Health (3)**

This evidence based course explores the mind, body and spirit, energetics, manual healing, yoga, global ethnomedical systems, and related topics.

Class Restriction: Include Sophomore and Junior and Senior. Course Fee: Differential Tuition Required.

**SES 426 - Motor Control (3)**

Study of the neural control of human movement from basic structures to functional movements such as grasping and locomotion. Dysfunction in the CNS and its impact on human movement will also be addressed.

Prerequisite: SES 220 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES 431 - Advanced Methods in Biomechanics (3)**

Advanced study of biomechanical principles which underpin human movement. Examples will provide application of mechanical principles to human movement.

Prerequisite: (SES 220 and SES 331 with a minimum grade of B). Course Fee: Differential Tuition Required.

**SES 435 - Advanced Principles of Coaching (3)**

Analyze and study advanced teaching/coaching behaviors necessary for students interested in a career in sport coaching. Coaching theory, best practices, and continued development of a coaching philosophy will be included.

Prerequisite: SES 335 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**SES 436 - Social Influences on Sport and Exercise Behavior (3)**

Application of sociological concepts and theories to examine current practices, problems and issues in physical activity, exercise and sport.

Course Fee: Differential Tuition Required.

**SES 438 - Sport Psychology (3)**

Introduction to the key psychological factors influencing sport, athletic performance, and coaching effectiveness. Examples of topics include: motivation, communication, mental rehearsal, psychological skills training, group dynamics, and managing stress.

Course Fee: Differential Tuition Required.

**SES 440 - Developing Pedagogical Skills in Elementary Physical Education (4)**

(3 lecture, 3 laboratory) Course is the second in sequence of professional teaching courses in physical education. Designed to develop skills and knowledge related to elementary physical education. Laboratory provides application of principles.

Prerequisite: (GPA-2.5) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (SES 210 and SES 323 and SES 340 with a minimum grade of D-). Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 441 - Physical Education Technology (3)**

Literacy and effective use of educational technology in physical education. Application of various technologies related to professional development, planning and instruction, and the assessment of student learning.

Prerequisite: (GPA-2.5) and (SES 266 with a minimum grade of D-). Corequisite: SES 340. Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 442 - Developing Pedagogical Skills in Secondary Physical Education (4)**

(3 lecture, 3 laboratory) Provides preservice physical education teachers with theoretical knowledge and practical experiences required to successfully teach secondary physical education. Laboratory provides application of principles.

Prerequisite: (GPA-2.5) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP) and (SES 440 with a minimum grade of D-). Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 443 - Teaching and Assessing School Health (3)**

This course focuses on health education instructional, management, and assessment techniques in school settings with an emphasis on national and state level health education standards.

Prerequisite: (GPA-2.5) and (EDFE 120 or Completion of Applic for Full Adm to PTEP) and (SES 340 with a minimum grade of D-). Major/Minor Restriction: Include SES: Coaching (and) SES: Sport Coaching (and) SES: PE (K-12) Teaching (and) K-12 Ed: Physical Education Major(s)/Minor(s). Course Fee: Differential Tuition Required.

**SES 445 - International Perspectives of Sport (3)**

Exploring relationships between sport and culture in an increasingly globalized world. Sport perspectives based on cultural values, historical events, location, politics, and current events at various levels will be discussed.

Course Fee: Differential Tuition Required.

**SES 446 - Sociocultural Concepts of Teaching and Learning in Physical Education (3)**

This course addresses sociocultural issues as they relate to the physical education profession and focuses on issues of social development (e.g., gender, social class, disability and racism) as they relate to teaching and learning in physical education.

Prerequisite: (GPA 2.5) and (SES 340 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**SES 450 - Sport Leadership and Ethics (3)**

Seminar to explore ethical behavior and leadership principles to refine critical thinking and decision-making skills. Students will examine ethical conduct and contemporary issues in all facets of a sports program.

Prerequisite: (SES 335 or LEAD 100 with a minimum grade of D-). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**SES 451 - Sport Sales (3)**

This course provides the foundation of sales and revenue generation through theoretical fundamentals and practical application of sales while providing students with the essential skills to become successful sales executives in the sport industry.

Course Fee: Differential Tuition Required.

**SES 452 - Sport in Film (3)**

Exploration of historical and contemporary topics concerning sport in film. Students will be introduced to a variety of sociological, cultural, ethical, and managerial topics as seen through popular and independent films.

Course Fee: Differential Tuition Required.

**SES 461 - Sport Governance & Law (3)**

Introduce implications of governance and law in sport. Prepares students with the knowledge and the ability to apply legal doctrines to enhance problem solving and prudent management and operational decisions.

Program Restrictions: Include SES:Sport Administration-BS and SES:Sport Coaching-BS. Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**SES 478 - Sport Marketing (3)**

This theory course introduces the terminology, concepts and principles of sport marketing, as well as how these concepts are applied in sport delivery organizations.

Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**SES 480 - Advanced Functional Assessment of Strength and Conditioning (3)**

Study concepts, procedures, techniques, and assessments used in strength and conditioning in athletics. Students will develop suitable strength and conditioning programs based on findings of case studies performed on athletes.

Prerequisite: (SES 220 and SES 322 and SES 331 with a minimum grade of D-). Course Fee: Differential Tuition Required.



**SES 490 - Exercise Assessment and Programming (3)**

(2 lecture, 2 laboratory) Application of fitness assessments and the subsequent development, organization, and implementation of exercise programs for healthy individuals and individuals with controlled diseases.

Prerequisite: (SES 220 and SES 322 and SES 324 and SES 331 with a minimum grade of D-). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required.

**SES 492 - Internship in Sport and Exercise Science (6 - 12)**

See concentration program notes for additional requirements. Supervised experience in a Sport and Exercise Science concentration. S/U graded.

Repeatable Status: Course is repeatable with a maximum of 12 credit hours. Course Fee: Differential Tuition Required.

**SES 494 - Exercise Science Practicum (3)**

Application of physiological principles, assessment techniques, and exercise prescription in a community setting. Students will gain experience in the use and interpretation of fitness laboratory and field tests.

Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**SOC - Sociology**

College of Humanities and Social Sciences

*Department of Sociology (p. 86)*

**SOC 100 - Principles of Sociology (3)**

Overview of basic theories, methods, concepts and issues central to the discipline of sociology. Examine the relationship between social behavior and society.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**SOC 120 - Introduction to Family Studies (3)**

Survey the characteristics, issues and problems of the family as a social institution. Topics discussed include: marital satisfaction, conflict, mate selection, alternatives and social change.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**SOC 170 - Social Problems (3)**

Analysis of selected social problems, both domestic and global. Exploration of why social problems occur, how different value premises and theoretical perspectives lead to distinctive ways of addressing social problems. Issues such as poverty, crime, homelessness, intergroup conflicts are examples of the types of issues examined.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and GT Human Behavior & Soc Sys.

**SOC 195 - Sociology Topics (1-3)**

Topics which are not regularly offered in the program focus on expertise of available instructors and the needs and interests of students. Access online course list. Open CRN link to view syllabus and evaluation method. S/U or letter graded.

**SOC 215 - Human Behavior and Environment (3)**

Explore the interaction and reciprocal relationship between humans and the environment. Examine how humans modify the environment and how the environment influences behavioral response and societal decisions. Understand environmental problems and consider alternative behavior models and possible solutions.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 215 and ENST 215.

**SOC 221 - Sociology of Gender (3)**

Examine gender stratification and social inequality. Topics include cultural definitions of masculinity and femininity, socialization and social change.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**SOC 222 - Sociology of Popular Culture (3)**

Examines sociological perspectives, theories, and research on popular culture in society. Focus on people, activities, organizations, and institutions involved in production of popular culture.

**SOC 231 - Introduction to Sociological Practice (3)**

This course explores how sociological skills are applicable to a variety of careers. Students will be introduced to the sociology major requirements, including preparation for the senior seminar research project.

Prerequisite: SOC 100 with a minimum grade of D-.

**SOC 235 - Social Change in a Global Context (3)**

This course includes a survey of the major economic, political and social forces that have shaped the modern world. The course will provide an introduction to theories of social change as well as a discussion of contemporary issues in a globalizing context.

Offered: Generally offered Fall, Spring, and Summer Annually. Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAIS-International Studies and GT Human Behavior & Soc Sys.

**SOC 237 - Sociology of Race, Racism, and Power (3)**

Examine intergroup relations and the dynamics of power relating to race, ethnicity, and intersecting social forces that have produced conflict and inequality. Explore the persistent impact in American society.

Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**SOC 240 - Gender, Race, Class, and Sexuality (3)**

This course examines multiple and shifting categories of gender, race, class, and sexuality in feminist perspective, investigating how they contribute to our understandings of systems of privilege and inequality.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 240 and GNDR 240. Course Attribute: LAB3Soc&BehSci-HumBeh,Cult,Soc and LAMS-Multicultural Studies and GT Human Behavior & Soc Sys.

**SOC 247 - Social Deviance (3)**

Study social deviancy, particularly in terms of types, sources, functions, dysfunctions and social control mechanisms that operate relative to those departures from conformity.

**SOC 275 - Society & Mental Health (3)**

Sociological perspectives on mental health. Examine conceptual models of mental health, social epidemiological help-seeking behavior, social impacts of treatment, mental health delivery systems and social policy issues.

**SOC 278 - Sociology of Emotions (3)**

Examines sociological perspectives, theories, and research on emotions. Focus on the social definitions and relationship between social structure; and emotional socialization, emotion rules, management, and performance rituals in everyday life.

**SOC 295 - Contemporary Social Issues (1-3)**

Investigation and analysis of a specific social problem or issue. S/U or letter graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**SOC 304 - Sociology of Sex Trafficking & Sex Work (3)**

Examination of sex trafficking & sex work as social issues. Students will apply both sociological theory and methods to analyze these issues in the context of global trends and policies.

Prerequisite: (SOC 100 or GNDR 101 or SOC 240 or GNDR 240 with a minimum grade of D-).

**SOC 305 - Sociology of Disability (3)**

An introduction to the sociology of disability. Examines different models of disability; the social construction and reality of being disabled; and recent legislation regarding persons with disabilities.

**SOC 315 - Gender & Aging (3)**

This course examines the social construction of gender within the context of aging in America. We will examine social issues such as masculinity, femininity, class inequality, race/ethnicity and sexuality as they relate to aging, generational differences, and the life course.

**SOC 323 - Gender in Popular Culture (3)**

Students will engage in an analysis of how gender and sexuality operate in the media and pop culture and examine how these representations affect identity formation.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 323 and GNDR 320.

**SOC 324 - Issues in the Family (3)**

Examine theoretical perspectives and research issues in the family. Analyze current issues in the family studies areas. Possible topics: singlehood, prenuptial contracts, dual career households, divorce, parenting, cohabitation, custody arrangements.

Prerequisite: SOC 120 with a minimum grade of D-.

**SOC 325 - Sociology of Work and Occupations (3)**

History of occupational structures as well as the future of work and occupations. Topics include occupational choice, socialization, managing workers, feelings about work and deviance at work.

**SOC 326 - Sociology of Childhood and Adolescence (3)**

Examine the societal definition of childhood and adolescence and how social institutions influence socialization.

Prerequisite: SOC 100 with a minimum grade of D-.

**SOC 332 - Social Psychology (3)**

Examine the relationships between individuals and social systems. Focus on language interaction, self-conceptualizing behaviors and change. Review dominant social psychological theories and issues.

Prerequisite: SOC 100 with a minimum grade of D-.

**SOC 333 - Social Class and Inequality (3)**

Presents a critical analysis of the realities of America's open-class system, making use of current theoretical perspectives and systematic research. Examines cross-cultural perspectives of stratification.

Prerequisite: SOC 100 with a minimum grade of D-.

**SOC 340 - Juvenile Delinquency (3)**

Study the history of juvenile law, enforcement structures and explanations for the emergence of delinquency. Study the American juvenile legal system and its major problems.

**SOC 346 - Criminology (3)**

Survey criminal behavior generally, including theories of causation, types of crime, extent of crime, law enforcement, criminal justice, punishment and treatment.

**SOC 347 - Sociology of Corrections (3)**

Survey of the history and structure of punishment in Western societies. Review of the major philosophies and practices of modern corrections.

**SOC 351 - Classical Social Theory (3)**

Study the major classical theorists who established the foundations of sociology during the late 19th and early 20th centuries. Focus on the emergence of sociology.

Prerequisite: SOC 100 with a minimum grade of D-.

**SOC 352 - Contemporary Social Theory (3)**

Review the major modern theoretical paradigms and prominent contemporary theorists in sociology. Examine contemporary issues in sociology.

Prerequisite: SOC 351 with a minimum grade of D-.

**SOC 360 - Environmental Justice (3)**

Examination of the unequal distribution of environmental risks and benefits across populations, the environmental justice movement, environmental policies and regulatory practices.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 360 and ENST 360.

**SOC 361 - Methods of Sociological Research I (3)**

Introduces the fundamental logic and methods of social research. Topics may include hypothesis formulation and testing, designing a research project, sampling, methods of data collection including surveys and field observation, analysis of data utilizing statistical procedures, introduction to a statistical computer package, data presentation, report writing, ethical issues. This is the first of a two course sequence.

Prerequisite: (SOC 100 and Concurrent Prerequisite SOC 231 with a minimum grade of D-).

**SOC 362 - Methods of Sociological Research II (3)**

Continuation of SOC 361 which includes an extension of methods of collecting and analyzing data discussed in SOC 361. The course may include topics such as index and scale construction, further use of computer applications for analysis, basic logic of multivariate causal reasoning and its application, analysis of variance and regression, introduction to evaluation research, report writing, and data presentation. The knowledge and skills gained in this two course research sequence may be used to design, conduct and present the results of a research study.

Prerequisite: (SOC 100 and Concurrent Prerequisite SOC 231 with a minimum grade of D-). Corequisite: SOC 364.

**SOC 364 - Methods of Sociological Research II Lab (1)**

(1 laboratory) Continued instruction of a statistical package for the social sciences. Students learn to analyze and interpret computer output for a variety of inferential statistical techniques.

Corequisite: SOC 362.

**SOC 366 - Sociology of Religion (3)**

This course takes a theoretically informed, sociological approach to understanding how religions operate as a major social institution in society. Drawing on both macro and micro level theories and empirical evidence, this course evaluates the role of religion from antiquity to modern day.

Prerequisite: (SOC 100 or SOC 170 with a minimum grade of D-).

**SOC 372 - Bodies and Power (3)**

We examine the body as object and subject of shifting race, gender, class and sexual meanings and as the product of complex social processes, including culture, medicalization, objectification, commodification and globalization.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 372 and GNDR 372.

**SOC 375 - Sociology of Health and Illness (3)**

Sociological perspective on the mutual relationships between health care and society. Covers social factors in illness, illness behavior, sick role, health care providers and health care policies.

**SOC 377 - Self in Modern Society (3)**

Examine interrelationship between self and society in the modern world. Focus on sociological theories and research that analyze social influences on the self and response of self to these influences.

**SOC 378 - Sociology of Education (3)**

Systematically attempt to relate sociological concepts to the educational institution. Focus on an analysis of social processes and patterns involved in the educational system.

**SOC 388 - Global Immigration (3)**

Enables students to critically and sociologically analyze trends, causes, and consequences of global immigration. Expands students' perspectives on citizenship, as well as immigrant and refugee experiences.

**SOC 395 - Topics in Sociology (1-3)**

Offerings focus on sociological topics not regularly offered in the program. Topics focus on expertise of available instructors and the specific needs of students. S/U or letter graded.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**SOC 400 - Senior Seminar (3)**

Students examine a specific topic developed by the faculty member teaching the course. Students will apply research methods training and theoretical analysis to a research project culminating in a poster and oral presentation, as well as a written paper.

Prerequisite: (SOC 351 and SOC 361 with a minimum grade of D-). Class Restriction: Include Senior. Course Fee: Course Fee Required.

**SOC 414 - Masculinities (3)**

A sociological analysis not just of men, but of masculinities. We will address debates about meanings of masculinity, historical variations, and how these definitions involve both male and female bodies.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 414 and GNDR 414.

**SOC 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Prerequisite: SOC 100 with a minimum grade of D-.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**SOC 423 - Violence and the Family (3)**

Examine major issues in family violence such as defining family violence, comparing types of explanations from different disciplines and translating social science perspectives to policy and social service delivery systems.

Prerequisite: SOC 100 with a minimum grade of D-. Class Restriction: Include Junior and Senior.

**SOC 432 - Social Psychology and Group Dynamics (3)**

Evaluate how group processes enhance, limit and define social interaction. Study the major theories of group dynamics. Analyze and discuss issues, trends, paradigms and applications.

**SOC 444 - Sociology of Law (3)**

Study of the social origins, functions and administration of law in society. Focus on the social organization of law, inequality in the legal system, and how civil and criminal law structure society.

Class Restriction: Include Junior and Senior.

**SOC 448 - Issues in Social Policy (3)**

Survey the history of social policy development and contemporary social change and social trends. Study research in social policy and analyze application and implementation.

Class Restriction: Include Junior and Senior.

**SOC 450 - Family Theories (3)**

Course examines theories of family development, interaction and change. Students apply theoretical frameworks to current research, and consider the explanatory value of theory for research methods and real-world application.

Prerequisite: SOC 120 with a minimum grade of D-.

**SOC 457 - Sociology of Innovation & Entrepreneurship (3)**

Study entrepreneurship and innovation sociologically. Discuss how inequality, capital and globalization affect entrepreneurial success and failure and discover the social sources of innovation.

Class Restriction: Include Junior and Senior.

**SOC 460 - Sociology of Disasters (3)**

Determinants and consequences of behavior and response to environmental extremes, technological emergencies, and acts of mass violence.

Mutually Exclusive Course: Credit allowed for only one of these courses: SOC 460 and ENST 460. Class Restriction: Include Junior and Senior.

**SOC 471 - Sociology of Aging (3)**

Survey theories and research on the social aspects of aging with emphasis on later maturity and old age.

Prerequisite: SOC 100 with a minimum grade of D-. Class Restriction: Include Junior and Senior.

**SOC 474 - Sociology of Sport (3)**

Introduction to the sociological study of sport. Focus on sports as social and cultural phenomena, we use sociological concepts and critical thinking to examine the impact of sports on social structure and institutions.

Prerequisite: SOC 100 with a minimum grade of D-.

**SOC 479 - The Community (3)**

This course focuses on local, national and international communities. Major theories and empirical evidence will guide understanding of how communities work, their impact on individuals, and how they are constructed.

Class Restriction: Include Junior and Senior.

**SOC 491 - Sociology Internship (3 - 9)**

Provides students with the opportunity to study and gain experience by working with a community agency or group. Internship placement must be arranged and approved prior to the beginning of the course. Credit is given only for work completed during the semester enrolled. S/U graded.

Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**SOC 492 - Practicum in Applied Sociology (3 - 9)**

Complete an individualized research project for a community agency or organization. Classroom component addresses issues in applied theory, applied research and professional socialization. Capstone course for Applied Sociology concentration.

Prerequisite: (SOC 231 and SOC 352 and SOC 362 with a minimum grade of D-). Repeatable Status: Course is repeatable with a maximum of 9 credit hours.

**SOC 493 - Practicum in Family Studies (3 - 9)**

Complete an individualized applied research project for a family service agency. Classroom component addresses issues in applied research, professional socialization and family policy. Capstone course for the Family Studies concentration.

Prerequisite: (SOC 324 and SOC 352 and SOC 361 and SOC 362 with a minimum grade of D-).

**SOC 494 - Research Practicum (3 - 6)**

Individualized research project for a non-profit organization. Classroom component addresses issues in applied research. Project must be initiated before enrollment and approval of the project is required.

Prerequisite: SOC 362 with a minimum grade of D-.

**SOC 495 - Special Topics in Sociology (1-3)**

Scheduled on a semi-regular basis to explore special areas in sociology and carries a subtitle for each offering. Check department office for topics currently planned.

Prerequisite: SOC 100 with a minimum grade of D-. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**SOC 496 - Study Abroad Experience (3)**

Scheduled on a semi-regular basis as an experiential approach to studying special areas in sociology and carries a subtitle for each offering. Check department office for topics currently planned.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**SOC 497 - Special Topics in Inequality (3)**

Students will examine a specific topic developed by the faculty member teaching the course. This course will examine inequality and its implications for various contemporary issues.

Prerequisite: SOC 100 with a minimum grade of D-. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course may be repeated 3 times.

**SOSC - Social Science**

College of Humanities and Social Sciences

*Department of History (p. 85)*

**SOSC 341 - Teaching Secondary Social Studies (3)**

Learn curriculum and course planning, teaching methods, strategies and techniques, materials, computer applications, testing and evaluation.

Prerequisite: (Completion of Applic for Full Adm to PTEP or EDFE 120 with a minimum grade of S).

**SPAN - Spanish**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**SPAN 100 - Introductory Spanish (3)**

Introduction to the Spanish language, emphasizing the development of emerging proficiency at the (ACTFL) Novice level in the four basic language skills: listening, speaking, reading and writing. Oral communication is stressed.

Offered: Generally offered Fall Annually.

**SPAN 103 - Spanish for Professionals (3)**

Introductory Spanish language course emphasizing functional communication for teachers and professionals who work with Spanish speaking students/families.

**SPAN 104 - Applied Spanish for Professionals (3)**

Second Semester introductory Spanish language course emphasizing practical communication and building linguistic and cultural competencies for teachers and professionals who work with Spanish speaking students and families.

Prerequisite: SPAN 103 with a minimum grade of D-.

**SPAN 200 - Intermediate Low Spanish (3)**

Emphasis on expanded functional proficiency at the (ACTFL) Intermediate Low level in the four basic language skills of listening, speaking, reading and writing. Oral communication is stressed.

Prerequisite: (SPAN 100 or SPAN 101 with a minimum grade of D-). Offered: Generally offered spring annually. Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**SPAN 201 - Intermediate Spanish I (3)**

Review the basic principles of the language and emphasize oral Spanish communication. Become familiar with Spanish and Latin American civilization.

Prerequisite: (SPAN 200 with a minimum grade of D- or Spanish Placement Exam with a minimum score of 350). Offered: Generally offered Fall and Spring Annually. Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**SPAN 202 - Intermediate Spanish II (3)**

A continuation of SPAN 201.

Prerequisite: (SPAN 201 or Spanish Placement Exam with a minimum score of 450). Course Attribute: LAA4-Arts&Hum-World Languages and LAIS-International Studies and GT Foreign Languages.

**SPAN 301 - Spanish Grammar (3)**

A systematic study of the more complex theories and forms of Spanish grammar with emphasis on mood, tense and voice.

Prerequisite: (SPAN 202 with a minimum grade of D- or Spanish Placement Exam with a minimum score of 550).

**SPAN 302 - Spanish Composition (3)**

Designed to increase the student's composition skills in Spanish through the use of original essays, descriptions, compositions, research papers and translations.

Prerequisite: SPAN 301 with a minimum grade of D-.

**SPAN 303 - Spanish Conversation (3)**

A course designed to develop a high level of proficiency in spoken Spanish. Language functions are practiced in the context of practical everyday situations and film studies.

**SPAN 304 - Introduction to Hispanic Literature (3)**

To acquaint the student with the elements of the various literary genres and literary criticism. The MLA Handbook will be introduced for research writing.

Prerequisite: (SPAN 301 or SPAN 310 with a minimum grade of D-).

**SPAN 305 - Introduction to Hispanic Linguistics (3)**

An introduction to the main concepts and issues related to the study of Hispanic linguistics.

Prerequisite: SPAN 302 with a minimum grade of D-.

**SPAN 310 - Spanish for Native Speakers (3)**

Students should demonstrate Functional Spanish Language skills at the second-year level, or intermediate level of college Spanish; or qualifying score on Departmental Placement Test. This course is designed for students who learned Spanish in an informal non-academic setting.

**SPAN 312 - Written Spanish for Native Speakers (3)**

Designed for bilingual Heritage speakers of Spanish. The course focuses on reading development, orthography, lexical expansion, formal grammar, facility in writing and composition.

Prerequisite: SPAN 310 with a minimum grade of D-.

**SPAN 321 - Spanish Civilization and Culture (3)**

Designed to acquaint students with general trends of Spanish civilization and culture. Includes historical, economic, political and artistic developments of Spain from prehistoric times to the present.

Prerequisite: (SPAN 302 or SPAN 312 with a minimum grade of D-).

**SPAN 331 - Latin American Civilization and Culture (3)**

Designed to examine the historical and cultural development of the Latin American countries. Surveys the major historical events from the pre-Columbian period to the present.

Prerequisite: (SPAN 302 or SPAN 312 with a minimum grade of D-).

**SPAN 341 - Mexican and Mexican American Civilization and Culture (3)**

Designed to examine the historic, economic, political, artistic, and cultural development of Mexico and Mexican American United States.

Prerequisite: (SPAN 302 or SPAN 312 with a minimum grade of D-).

**SPAN 405 - Spanish Phonetics and Dialects (3)**

The study of the major semantic, syntactic and phonological aspects of the Spanish language dialects and the standard Latin American Spanish found in the Americas.

**SPAN 410 - Spanish for the Professions (3)**

This course is designed to teach the specialized vocabulary and terminology necessary to communicate in Spanish in a particular professional domain. A review of relevant grammatical structures will also be presented. In addition, cross-cultural differences, cultural sensitivity, and language variation as they relate to profession of focus.

Prerequisite: (SPAN 201 and Concurrent Prerequisite SPAN 202 with a minimum grade of D-). Offered: Generally offered Fall and Spring - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 9 credit hours.

**SPAN 412 - Spanish for Bilingual Education II (3)**

Develops Spanish language skills for teaching math, science and social studies.

Prerequisite: (SPAN 302 or SPAN 312 with a minimum grade of D-).

**SPAN 416 - Spanish for Criminal Justice (3)**

This course introduces the vocabulary, specialized terminology, and communication strategies necessary for professionals in criminal justice to communicate in Spanish. Related topics include cross-cultural differences, cultural sensitivity, and language variation.

Prerequisite: SPAN 201 with a minimum grade of D-. Offered: Generally offered Spring - Check with department/school for next offering.

**SPAN 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations.

**SPAN 450 - Masterpieces of Spanish Literature (3)**

Study Spanish Peninsular masterpieces from Medieval through Contemporary Literature of Spain. Includes poetry, narrative, essay and drama.

Prerequisite: SPAN 304 with a minimum grade of D-.

**SPAN 451 - Masterpieces of Latin American Literature (3)**

Study Latin-American masterpieces from pre-Columbian through Contemporary period. Includes poetry, narrative, essay and drama.

Prerequisite: SPAN 304 with a minimum grade of D-.

**SPAN 455 - Literature for Children and Adolescents (3)**

A study of award-winning works of literature. Emphasis on multi-cultural books for children and adolescent literature of acculturation and assimilation.

**SPAN 457 - Masterpieces in Chicano/a Literature (3)**

Study of the masterpieces of Chicano/a literature from the Spanish colonial period to the present. Focuses on the literature written during the decades of 1965-1995.

Prerequisite: SPAN 304 with a minimum grade of D-.

**SPAN 459 - Hispanic Drama (3)**

A study of Hispanic drama masterpieces from Spain's Golden Age to the post-Civil War period; Latin America's Contemporary Theatre of Social Protest; and the United States' Hispanic Theatre Movement.

**SPAN 470 - Spanish for Oral Proficiency (3)**

A course designed to develop oral proficiency by exposing students to advanced and superior linguistic functions.

Prerequisite: SPAN 400-499.

**SPAN 495 - Topics (1-3)**

An in-depth study of selected topics in literature, civilization, linguistics or advanced language.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles and course is repeatable with a maximum of 6 credit hours.

**SPSY - School Psychology**

College of Education and Behavioral Sciences

**SPSY 250 - Applied Wellness Science (3)**

This course introduces theories of positive psychology and wellness science to improve resilience and positive mental health. Students will demonstrate their knowledge through scholarly writing, discussion, and evidence-based applied practice.

Offered: Generally offered Fall and/or Spring Annually.

**STAT - Statistics**

College of Natural and Health Sciences

*School of Mathematical Sciences (p. 99)*

Please note: All students are required to complete a web-based placement assessment called ALEKS to determine readiness for entry-level mathematics and statistics courses unless they meet certain exceptions. These exceptions are based on various factors such as SAT or ACT scores or previously earned mathematics credit in college-level courses or developmental education courses at a community college. Please see the Exceptions page at the UNC Math Placement website for complete details. Entry-level mathematics and statistics courses that require the ALEKS assessment include MATH 120, MATH 124, MATH 125, MATH 127, MATH 131, MATH 171, and STAT 150. More information on ALEKS and a link to the assessment can be found at [www.unco.edu/nhs/mathematical-sciences/placement/](http://www.unco.edu/nhs/mathematical-sciences/placement/).

**STAT 111 - Introduction to Data Science (3)**

Introduction to elements of Data Science and elementary tools, programming languages, and techniques for data collection, visualization, computations, and inference. Includes ethical issues with data collection and analysis.

Prerequisite: (ALEKS Test Score with a minimum score of 025 or Completion of LC2-Mathematics course or Completion of LAX1-Mathematics course). Course Attribute: LAX1-Mathematics.

**STAT 149 - Supplemental Statistics (1)**

In this supplementary course we will develop critical thinking, ethical decision-making, and effective communication. The course will provide supplemental academic support for students enrolled in Introduction to Statistical Analysis (STAT 150). This will include content review, study skills, and effective strategies for success in STAT 150. S/U graded.

Corequisite: STAT 150. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.



**STAT 150 - Introduction to Statistical Analysis (3)**

Prerequisite: Two years of high school algebra with a grade of C or better. Study techniques used in organizing data, including frequency distributions, histograms, measures of central tendency, measures of dispersion, probability distributions, point estimation, interval estimation and testing hypotheses.

Course Attribute: LAX1-Mathematics and GT Mathematics.

**STAT 202 - Data Visualization (3)**

Provides tools to prepare data, critique and improve visualizations of statistical data, learn visual encoding principles of quantitative information, and learn how these principles are applied to create effective visualizations.

Prerequisite: STAT 150 with a minimum grade of C. Course Fee: Differential Tuition Required.

**STAT 211 - Computational Tools for Data Analysis (3)**

Introduction of the tools, standards and practices for collecting, organizing, managing, exploring, and using data. Develop familiarity with computational tools and the preparation, analysis, and visualization of data and creating analysis tools for larger data sets.

Prerequisite: (STAT 150 or STAT 250 with a minimum grade of C) and (CS 120 or CS 130 with a minimum grade of C). Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**STAT 250 - Statistics for Life Sciences (3)**

This course is an introduction to statistical methods in biological sciences. Topics include study designs, data visualization and exploration, basic probability with applications, and statistical inference for comparing multiple groups.

Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAX1-Mathematics and GT Mathematics.

**STAT 311 - Data Preparation and Analysis (3)**

This course provides direction on how to prepare real-world datasets for statistical analysis, as well as perform data cleansing, reformatting, and data wrangling. Students will perform exploratory data analysis using real-world datasets and develop data visualization to facilitate statistical inquiry.

Prerequisite: STAT 211 with a minimum grade of C. Offered: Generally offered Spring Even Years. Course Fee: Differential Tuition Required.

**STAT 320 - Design and Analysis of Experiments (3)**

This course addresses planning and organization of experiments, including ethical considerations. One-factor experiments, randomized blocks, Latin squares and related designs, factorial designs and fractional factorial designs, response surface methodology, nested and split-plot designs.

Prerequisite: (STAT 150 or STAT 250 with a minimum grade of C) and (STAT 211 with a minimum grade of C). Offered: Generally offered Fall Odd Years. Course Fee: Differential Tuition Required.

**STAT 330 - Regression Analysis (3)**

This course introduces basic regression techniques, focusing on the theoretical foundations of regression analysis and its application to real data sets. Emphasis is placed on specifying and interpreting regression models.

Prerequisite: (STAT 150 or STAT 250 with a minimum grade of C) and (STAT 211 with a minimum grade of C). Offered: Generally offered Fall Even Years. Course Fee: Differential tuition required.

**STAT 355 - Introduction to Applied Statistics and Probability (3)**

Introduces conceptions of statistics, data analysis, and concepts of probability. Focus is on understanding variability and probability, sampling and random variables, descriptive and inferential statistics.

Prerequisite: Concurrent Prerequisite MATH 132 with a minimum grade of C. Course Fee: Differential Tuition Required.

**STAT 411 - Fundamentals of Data Science (3)**

This course is an introduction to the elements of data science. Topics include data visualization, data wrangling, statistical learning and predictive analytics, text mining and spatial data.

Course Fee: Differential Tuition Required.

**STAT 422 - Directed Studies (1-3)**

Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**STAT 440 - Applied Multivariate Statistical Analysis (3)**

This course introduces three classes of multivariate statistical methods: factor analysis, multidimensional scaling (MDS), and cluster analysis emphasizing exploratory applications and learning about the structure of a data matrix.

Prerequisite: (STAT 150 or STAT 250 with a minimum grade of C) and (STAT 211 with a minimum grade of C). Offered: Generally offered Fall Odd Years. Course Fee: Differential Tuition Required.

**STAT 451 - Intermediate Applied Statistics (3)**

A course on the application and practice of statistics in Natural and Health Sciences. Courses covers using modern computational tools: inferential statistics, multivariate regression, experimental design, ANOVA and non-parametric statistics.

Prerequisite: (STAT 150 or STAT 250 with a minimum grade of C or STAT 355 or MATH 350 with a minimum grade of D-). Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**STAT 489 - Project in Data Science (2)**

This is a project course in data science and related fields. Interdisciplinary teams will analyze a new data science problem, develop a model, and control for error and overfitting.

Prerequisite: STAT 411 with a minimum grade of C. Mutually Exclusive Course: Credit allowed for only one of these courses: CS 489 and STAT 489. Course Fee: Differential Tuition Required.

**STAT 490 - Statistics Capstone (3)**

Students gain experience applying a broad range of statistical techniques to real-world data, interpreting findings, and communicating results through the completion of a project.

Offered: Generally offered Spring Annually. Program Restrictions: Include Mathematics:Stat & Data Sci-BS and Statistics-BS. Class Restriction: Include Junior and Senior. Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**STAT 495 - Topics in Statistics (1-4)**

Explores advanced topics in statistics not included in existing courses, reflecting specific interests of students and instructors.

Offered: Generally offered Fall, and/or Spring - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**STAT 497 - Statistics Project (1-4)**

A substantial independent project in the area of statistics, carried out by the student with the guidance of a faculty mentor.

Special Notes: Consent of instructor required.

Offered: Generally offered Fall, Interim, Spring, and/or Summer - Check with department/school for next offering. Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Differential Tuition Required.

**STEM - Science, Technology, Engineering, and Mathematics Education**

College of Natural and Health Sciences (p. 95)

**STEM 341 - STEM Methods I (3)**

Introduces methods of teaching secondary school mathematics and science while incorporating elements of computer science, engineering, and technology. Course aims to develop future STEM professionals who are reflective practitioners.

Corequisite: EDFE 170.

**STEM 441 - STEM Methods II (3)**

Refines methods of teaching secondary school mathematics and science while incorporating elements of computer science, engineering, and technology. Course aims to develop future STEM professionals who are reflective practitioners.

Prerequisite: (STEM 341 and EDFE 170 with a minimum grade of D-). Corequisite: EDFE 370.

## STEP - Secondary Teacher Education Program

College of Education and Behavioral Sciences

*School of Teacher Education*

All STEP courses require an on-line application one semester in advance: [www.unco.edu/cebs/teacher-education/](http://www.unco.edu/cebs/teacher-education/).

### **STEP 161 - Observation and Analysis of Secondary Teaching I (2)**

Course activities, seminars and field experiences support Phase I course work. S/U graded.

Prerequisite: (GPA-2.5) and (Completion of Applic for Initial Adm to PTEP). Corequisite: EDF 290. Offered: Generally offered Fall and/or Spring Annually. Class Restriction: Include Sophomore and Junior and Senior. Course Attribute: Variable Title Course. Course Fee: Supervision Fee Required.

### **STEP 262 - Observation and Analysis of Secondary Teaching II (2)**

STEP 262 course activities, seminars and field experiences support Phase II course work.

Prerequisite: (GPA-2.5) and (STEP 161 with a minimum grade of D-) and (EDFE 110 with a minimum grade of S or Completion of Applic for Initial Adm to PTEP). Corequisite: EDSE 360 and PSY 349. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time. Course Fee: Supervision Fee Required.

### **STEP 363 - Clinical Experience: Secondary (2)**

STEP 363 course activities, seminars and field experiences support Phase III course work.

Prerequisite: (GPA-2.5) and (STEP 262 with a minimum grade of D-) and (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Corequisite: ET 449. Class Restriction: Include Junior and Senior. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 1 time. Course Fee: Supervision Fee Required.

### **STEP 464 - Secondary Student Teaching (1 - 14)**

A 16 week experience in content area teaching in senior high where the student demonstrates effective teaching from a culmination of prior knowledge, skills and behaviors. S/U graded.

Prerequisite: (EDFE 130 with a minimum grade of S or Passed Required Praxis or Completion of Application for Student Teaching). Course Attribute: Variable Title Course. Course Fee: Supervision Fee Required.

## THEA - Theatre Arts

College of Performing and Visual Arts

*School of Theatre Arts and Dance*

### **THEA 100 - Individual Performance in Theatre (2)**

This course includes participation in design and production assignments for the School of Theatre Arts & Dance Productions. Participation assignments are available based on specific production needs each semester and assignments are scheduled accordingly at the beginning of each semester of enrollment.

Offered: Generally offered Fall, Spring and/or Summer Annually. Major/Minor Restriction: Include Theatre Arts (and) Musical Theatre (and) Acting (and) Theatre Design/Technology Major(s)/Minor(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

### **THEA 110 - Performance in a Theatrical Production (2)**

Practical experience as a performer, dramaturg, or assistant director in mainstage productions.

Major/Minor Restriction: Include Acting (and) Theatre Arts Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

### **THEA 130 - Introduction to the Theatre (3)**

A survey of Theatre history and its effects upon modern Theatre. The roles of the actors, directors, choreographers, technicians, designers and critics will be explored through live presentations.

Major/Minor Restriction: Exclude Acting (and) Theatre Design/Technology Major(s). Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

### **THEA 135 - Playscript Analysis (3)**

A survey of dramatic literature through script analysis.

Major/Minor Restriction: Include Acting (and) Musical Theatre (and) Theatre Arts (and) Theatre Design/Technology Major(s)/Minor(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 149 - Orientation to Technology (3)**

Orientation to Technology covers the practical application of scenic construction, scenic painting, lighting, costume construction, and/ or stage props. This course familiarizes the student with the equipment, hardware, safety, and techniques common in each area through lecture and practical experience.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Theatre Arts (and) Acting (and) Theatre Design/Technology Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 150 - Actor's Lab (1)**

(3 laboratory) A one semester hour credit will be given for participation as an actor in a student directed scene.

Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**THEA 155 - Orientation to Design (3)**

This class is intended to serve the beginning design student by orienting them to the creative process and expression used in theatrical design.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Course Fee: Differential Tuition Required.

**THEA 158 - Acting I (3)**

This course provides burgeoning performers an opportunity to study, from the viewpoint of an actor, the basic elements of character building, character and script analysis, and various historical acting methods.

Offered: Generally offered Fall Annually. Program Restrictions: Include Musical Theatre-BFA and Musical Theatre-BA and Acting-BFA and Theatre Arts (Acting)-BA. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 159 - The Art of Acting for All Majors (3)**

This course provides an opportunity to study major elements of dramatic material, the basics of character and script analysis, historical acting methods, and will introduce communication, collaboration, and leadership skills through the joy and art of acting.

Offered: Generally offered Fall and/or Spring Annually. Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**THEA 160 - Acting Methods (3)**

(2 lecture, 3 laboratory) Must be taken for a total of 3 credits. The emphasis of the course is on the primary needs of acting: emotional recall and recreation, concentration, motivation, personality and character development, physical and vocal ingredients of character and believability.

Program Restrictions: Exclude Musical Theatre-BFA and Musical Theatre-BA and Acting-BFA and Theatre Arts (Acting)-BA. Course Fee: Differential Tuition Required.

**THEA 170 - Acting II (3)**

A step-by-step process approach to scene and monologue study rooted in the Stanislavski System. Units will be covered connecting the actor with the discovery of purpose/obstacle/relationships/given circumstances/character/orchestration and text scoring.

Prerequisite: (THEA 158 or THEA 159 with a minimum grade of D-). Offered: Generally offered Spring - Check with department/school for next offering. Program Restrictions: Include Musical Theatre-BFA and Musical Theatre-BA and Acting-BFA and Theatre Arts (Acting)-BA. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 190 - Stage Speech (2)**

This course is designed to instruct the actor in voice and speech for the stage. Topics covered include: use and understanding of the vocal instrument, vocal anatomy, vocal projection and articulation.

Major/Minor Restriction: Include Theatre Arts Major(s). Course Fee: Differential Tuition Required.

**THEA 191 - Beginning Voice and Speech (3)**

This course is designed to instruct the actor in voice (vocal sound production) and speech (vocal communication) for the stage. Through lectures, assigned readings, class performances, and most importantly, through exercises and practice, students will be expected to demonstrate various aspects of voice and speech.

Major/Minor Restriction: Include Acting (and) Theatre Arts Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 193 - Stage Speech and Dialects (3)**

This course deals with continued development of intelligent use and care of the speaking voice utilizing IPA and Linkater approaches and studies to the major stage dialects.

Prerequisite: THEA 190 with a minimum grade of D-.  
Course Fee: Differential Tuition Required.

**THEA 194 - Intermediate Voice and Speech (3)**

This course is designed to advance an actor's proficiency in voice, speech and dialects for the stage. Through lectures, assigned readings, and most importantly, through exercises and practice, students will be expected to demonstrate proficiency in various aspects of voice, speech and dialects.

Prerequisite: THEA 191 with a minimum grade of D-.  
Major/Minor Restriction: Include Acting (and) Theatre Arts Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 210 - Drafting for the Theatre (3)**

This is a foundational course in theatrical drafting and will explore both hand drafting and computer aided drafting technology.

Prerequisite: THEA 149 with a minimum grade of D-.  
Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 215 - Beginning Scene Design (3)**

This is an introductory course designed to explore scenic design through script analysis, research, conceptual development, sketching, basic model building, drafting, and presentation. Students will develop the skills necessary to communicate a visual interpretation of selected scripts clearly and effectively.

Prerequisite: (THEA 135 and THEA 149 and THEA 155 and THEA 210 with a minimum grade of D-). Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 220 - Beginning Costume Design (3)**

This class is an introduction to designing stage costumes. This course includes script analysis for the costume designer, costume focused research, and an overview of the costume designers' toolkit including: costume sketching and rendering, an introduction to fabrics, and the steps it takes to get a costume design from script to opening night.

Prerequisite: (THEA 135 and THEA 149 and THEA 155 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 221 - Costume History (3)**

This class explores the history of fashion as it relates to its cultural context from ancient through modern times. This timeline includes western world dress, central and south American dress, Asian dress, and African dress and explores how fashion history relates to world history.

Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Exclude Freshman. Course Fee: Differential Tuition Required.

**THEA 222 - Costume Technology I (3)**

Costume Technology explores the practical application of the technical skills and crafts used in costuming. Hands on skills of stitching, cutting from patterns, fabric modification, garment fitting, and/ or alterations may be included.

Prerequisite: THEA 149 with a minimum grade of D-.  
Offered: Generally offered Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 225 - Theatre in Film (3)**

Students will have an opportunity to enrich their appreciation of society and culture through the media of theatre and film.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**THEA 230 - Beginning Lighting Design (3)**

This class is an introduction to designing with light through both practical applications and theoretical theatrical use. The course concentrates on the process moving from script analysis to concept development and finally to the production of industry standard paperwork and lighting plots.

Prerequisite: (THEA 135 and THEA 149 and THEA 155 and THEA 210 and THEA 232 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 232 - Lighting Technology (3)**

This class is an introduction to the roles and responsibilities of the Master Electrician for the theatre with an emphasis on industry standards and safe practice. Students will learn to operate and maintain a theatrical lighting system as well as electrical safety, managing a crew, troubleshooting, paperwork, Vectorworks drafting, and basic networking.

Prerequisite: THEA 149 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 240 - Beginning Stage Directing (3)**

(2 lecture, 3 laboratory) A basic course in the principles of directing a play. The major focus is on contemporary theories and practices of stage directing.

Prerequisite: (THEA 135 and THEA 149 and THEA 160 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**THEA 241 - Seminar in Theatre Arts Management (3)**

This course will enable the student to study, explore and participate in the management and administrative activities and issues faced by theatre arts administrators currently working in the field.

Course Fee: Differential Tuition Required.

**THEA 245 - Beginning Sound Design (3)**

This class focuses on the preparation of students to design, set-up, and operate sound reinforcement and recording equipment with emphasis on theatre specific practices. Students will analyze sound for emotional impact, determine qualities of sound that impart these effects, and discover how these ideas can be transferred to the stage. Projects center on the creation of digital and analog sound effects and environments and their incorporation into live performance.

Prerequisite: (THEA 135 and THEA 149 and THEA 155 and THEA 246 with a minimum grade of D-). Offered: Generally offered Fall - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 246 - Sound Technology (3)**

The student will explore the fundamentals of audio technology in the theatre and live-concert industries. Students will learn the practical applications and responsibilities of a sound engineer, as well as the planning, paperwork, and other related items of standard practice in the industry.

Prerequisite: (THEA 149 and THEA 210 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 249 - Scenic Technology (3)**

This course provides a hands-on survey of the work of the master carpenter and technical director. Focus will be placed on construction techniques and practices used in scenic construction, rigging, and drafting working drawings with attention to problem solving and budgeting within the discipline.

Prerequisite: (THEA 149 and THEA 210 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 250 - Stage Make Up (2)**

Combining lectures and demonstrations with laboratory practicum, students will learn basic principles of make-up application for primarily stage with some discussion of the necessary adaptations for screen.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Acting (and) Theatre Arts Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 255 - Creative Drama (3)**

This class is designed for the pre-service teacher in order to increase their skill and knowledge in the area of creative drama.

Course Fee: Differential Tuition Required.

**THEA 260 - Scene Study (3)**

A step-by-step process approach to scene study. Units will be covered connecting the actor with the discovery of purpose/obstacle/relationships/given circumstances/character/orchestration and text scoring.

Prerequisite: THEA 160 with a minimum grade of D-. Program Restrictions: Exclude Musical Theatre-BFA and Musical Theatre-BA and Acting-BFA and Theatre Arts (Acting)-BA. Course Fee: Differential Tuition Required.

**THEA 265 - Theatre for Young Audiences Tour (3)**

This tour is designed to result in the production of a play for children that will tour to area schools. There will be evening rehearsals and crew in addition to class time.

Course Attribute: Community Engaged Learning. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 270 - Acting III (3)**

Further study and application of scene and devising techniques. Integration of all prior acting course work with substantive study in at least one other acting form, such as the Michael Chekhov Technique, Black Acting Methods, Viewpoints, Grotowski, or other psycho-physical assimilation.

Prerequisite: (THEA 158 and THEA 170 with a minimum grade of D-). Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Program Restrictions: Include Musical Theatre-BFA and Musical Theatre-BA and Acting-BFA and Theatre Arts (Acting)-BA. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 275 - Stage Movement I (2)**

(2 contact hours per week). Two-part series of courses in the preparation of actor's skills in movement. This course introduces physical training designed to improve alignment, increase body awareness, and heighten performer's focus, stamina, strength, flexibility, and ability to support psychological choices in three-dimensions.

Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 276 - Stage Movement II (3)**

Second in a two part series of courses in the preparation of actor's skills in movement. This course deepens students' engagement with physical training designed to improve alignment, increase body awareness, and heighten performer's focus, stamina, strength, flexibility, and ability to support psychological choice in three-dimensions.

Prerequisite: THEA 275 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 290 - History of Style and Decor (3)**

This course is a survey of architectural elements, furnishings, and decorative motifs useful to theatre designers from prehistoric through contemporary cultures across the globe. It will assist theatre design students in developing an understanding of visual history. It will also establish a common historic framework from which to build a visual knowledge base and provide a means to accurately articulate visual ideas, needs, and inspirations using correct historic references and terminologies.

Prerequisite: THEA 210 with a minimum grade of D-. Offered: Generally offered Fall - Check with department/school for next offering. Class Restriction: Exclude Freshman. Course Fee: Differential Tuition Required.

**THEA 296 - History of Theatre I (3)**

The development of Western theatre from its classical roots through the mid- 17th century, as well as African and Asian theatre from its roots to the present. Emphasis on research.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**THEA 297 - History of Theatre II (3)**

A continuation of THEA 296, focusing on American and European theatre. Emphasis on research.

Course Attribute: LAA1-Arts&Hum-Arts&Expression and GT Arts.

**THEA 300 - Advanced Individual Performance in Theatre (2)**

Participation in advanced level design and production assignments of School of Theatre productions.

Prerequisite: (THEA 100 and THEA 155 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Repeatable Status: Course may be repeated 3 times. Course Fee: Differential Tuition Required.

**THEA 308 - Theatre Workshop (1-4)**

Receive information about current important ideas in many fields of knowledge from authorities nationally known in their fields of specialization.

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated. Course Fee: Differential Tuition Required.

**THEA 311 - Beginning Scene Painting (3)**

This is a foundational course in the basic techniques of theatrical scene painting. The emphasis of this course is placed on equipment, procedure, and practical application as well as the responsibilities of the scenic charge.

Prerequisite: THEA 149 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Repeatable Status: Course may be repeated 2 times. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 312 - Advanced Scene Painting (3)**

This course is a study of the basic techniques of the scenic artist. Emphasis is placed on equipment, procedure and practical application. In this class we will explore methods of traditional one-dimensional scene painting as well as the fundamentals of drawing. Projects will include lettering, translucency, stamps and stencils and use those of pneumatic sprayers.

Prerequisite: (THEA 149 and THEA 311 with a minimum grade of D-). Repeatable Status: Course may be repeated 1 time. Course Fee: Differential Tuition Required.

**THEA 315 - Advanced Scene Design (3)**

This course focuses on advanced work in scenic design and will include expanded work in script analysis, research, sketching, model-building, rendering, drafting, and presentation. Completion of this course or area instructor consent is required for a student to be considered for a STAD main stage realized design.

Prerequisite: THEA 215 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 317 - Properties for Stage (3)**

This course is a study of the organization, management, and construction of properties for the theatre. It is a beginning exploration of the skills and techniques needed to become a successful props master and/or props fabricator and will include hands-on projects and theoretical prop management projects.

Prerequisite: (THEA 135 and THEA 149 with a minimum grade of D-). Offered: Generally offered Fall Annually. Course Fee: Differential Tuition Required.

**THEA 320 - Advanced Costume Design (3)**

This class is the continuation of the topics introduced in Beginning Costume Design. The focus of this class is on the completion of complete theoretical costume designs using the process introduced in Beginning Costume Design. Introduction to designing costumes for the stage. Designing as a collaborative art will also be the focus of these designs. Completion of this course or area instructor consent is required for a student to be considered for a STAD mainstage realized design.

Prerequisite: THEA 220 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 321 - Digital Rendering for Theatre Design (3)**

This course will explore the key points of creating completed theatre design renderings through the use of a variety of digital platforms including, but not limited to, Adobe Photoshop, Adobe Illustrator, Painter, Procreate, and SketchUp. The focus of the design projects will be tailored to the specific theatre design interest area of the student enrolled.

Prerequisite: THEA 155 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Class Restriction: Exclude Freshman. Course Fee: Differential Tuition Required.

**THEA 324 - Masterpieces in Theatrical Production (2)**

A survey of important plays that have had major impact on the evolution of the modern theatre through thematic concerns, social reflection, revolutionary genre, and production styles.

Prerequisite: THEA 135 with a minimum grade of D-. Course Fee: Differential Tuition Required.



**THEA 332 - Advanced Lighting Design (3)**

This class provides the opportunity for advanced work in stage lighting design with an emphasis on the artistic applications of lighting in plays, operas, musicals and dance. Completion of this course or area instructor consent is required for a student to be considered for a STAD main stage realized design. Required laboratory arranged.

Prerequisite: (THEA 210 and THEA 230 with a minimum grade of D-). Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 334 - Media Design and Technology (3)**

This course is intended to provide training in all aspects of the design of media and projections for theatrical productions. The course will focus upon all steps of the conception and implementation of a media design for a theatrical show or performance.

Prerequisite: (THEA 149 and THEA 155 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 336 - Advanced Voice Speech (3)**

Advanced study of the natural resources of the human voice and body as artistic resources for the performer. Continued focus on effective and healthful use of the vocal instrument and stage dialects.

Prerequisite: (THEA 191 and THEA 194 with a minimum grade of D-). Major/Minor Restriction: Include Acting (and) Theatre Arts Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 340 - Workshop in Directing I (3)**

(2 lecture; 2 laboratory) Basic directing techniques as applied to period styles. Focus on research for the director and application of period styles in scene work.

Prerequisite: THEA 240 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**THEA 345 - Advanced Sound Design (3)**

This course will continue the student's exploration of the art of Sound Design. Students will analyze sound for emotional impact, determine qualities of sound that impart these effects, and discover how these ideas can be transferred to the stage. Completion of this course or area instructor consent is required for a student to be considered for a STAD main stage realized design.

Prerequisite: (THEA 210 and THEA 245 with a minimum grade of D-). Offered: Generally offered Fall and/or Spring - Check with department/school for next offering. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**THEA 360 - Acting Styles I (3)**

Focus on modern drama from early realism through contemporary eclectic styles in this advanced acting laboratory.

Prerequisite: THEA 270 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Acting (and) Theatre Arts (and) Musical Theatre Major(s). Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**THEA 361 - Acting Styles II (3)**

Concentration on period styles including Greek, Elizabethan, Commedia dell'Arte, English Restoration and French Neoclassic in this advanced acting laboratory.

Prerequisite: THEA 270 with a minimum grade of D-. Offered: Generally offered Fall and/or Spring Annually. Major/Minor Restriction: Include Acting (and) Theatre Arts (and) Musical Theatre Major(s). Repeatable Status: Course is repeatable with a maximum of 6 credit hours. Course Fee: Differential Tuition Required.

**THEA 362 - Acting for the Camera (3)**

In this course students will experience the craft of acting for the camera. Topics will include: the difference between stage and film acting, technical demands of film acting, script analysis, and on-set behavior.

Prerequisite: (THEA 160 and THEA 260 with a minimum grade of D-). Major/Minor Restriction: Include Acting (and) Musical Theatre (and) Theatre Arts Major(s). Course Fee: Differential Tuition Required.

**THEA 365 - Clinical Experiences I: Elementary Theatre (3)**

Gain practical experience in the theatre classroom with a variety of materials and concepts. This course requires observation in elementary and/or middle school theatre classrooms, as well as preparing, teaching and assessing progress. Reflection on teaching experiences in a weekly seminar.

Prerequisite: (THEA 135 and THEA 149 and THEA 160 and THEA 240 and THEA 255 and THEA 260 and EDF 290 with a minimum grade of D-). Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Theatre Arts (and) Theatre Education Major(s). Course Fee: Differential Tuition Required.

**THEA 373 - Playwriting (3)**

This course will guide and assist the student playwright through the creative process of writing a one act play or screen play. Course work will include lecture, exercises, and completion of several writing assignments. Final project will be completion of a one act play or film treatment and 30 pages of dialogue.

Course Fee: Differential Tuition Required.

**THEA 374 - Playwriting II (3)**

This course will introduce student playwrights to theatrical genre and style by guiding and assisting them through the creative process of writing a full-length play. Course work will include lecture and discussion either online or in person and creative writing exercises.

Prerequisite: THEA 373 with a minimum grade of D-. Course Fee: Differential Tuition Required.

**THEA 375 - Stage Management for the Theatre (3)**

A class to teach the student how to work as a stage manager in the theatre and what to expect from the position. Focus is on problem solving.

Prerequisite: THEA 149 with a minimum grade of D-. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 376 - Stage Movement III (3)**

In this course students will learn to use their three-dimensional selves to create character from the ground up. Students will also continue physical training designed to interrupt habits and increase their strength, stamina, focus and physical clarity as performers.

Prerequisite: (THEA 275 and THEA 276 with a minimum grade of D-). Major/Minor Restriction: Include Theatre Arts (and) Acting Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 380 - Design fundamentals for Secondary Education (3)**

This course will include the basics of drafting; scenic, lighting and costume design; and scenic painting with a focus on research and creative exercises.

Prerequisite: THEA 149 with a minimum grade of D-. Major/Minor Restriction: Include Theatre Arts Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 385 - Methods of Teaching Drama (3)**

Learn teaching techniques, curriculum and classroom organization, testing and evaluation, procedures and materials and relationship of the subject area to the total program.

Prerequisite: (EDFE 120 with a minimum grade of S or Completion of Applic for Full Adm to PTEP). Course Fee: Differential Tuition Required.

**THEA 401 - Practicum in Theatre (1-4)**

Supervised and specialized field work involving theory and methodology in practice. Two copies of evaluation paper required, filed with instructor/department.

Repeatable Status: Course is repeatable with a maximum of 8 credit hours. Course Fee: Differential Tuition Required.

**THEA 422 - Directed Research in Theatre (1-4)**

The student must submit a written proposal prior to approval of the study. Individualized investigation under the direct supervision of a faculty member. (Minimum of 37.5 clock hours required per credit hour.)

Special Notes: Maximum concurrent enrollment is two times.

Course Attribute: Variable Title Course. Repeatable Status: Course is repeatable with no limitations. Course Fee: Differential Tuition Required.

**THEA 433 - Dramaturgy (3)**

This course teaches the basic principles of both production and new play dramaturgy. These include: read and analyze a play, accomplish and organize research for production, and communication with director and/or playwright and the public.

Prerequisite: (THEA 135 and THEA 240 with a minimum grade of D-). Course Fee: Differential Tuition Required.

**THEA 440 - Directing the One-Act Play (3)**

Produce a one act play under instructor's supervision. Extensive prompt book and well-written self-analysis required.

Prerequisite: THEA 340 with a minimum grade of C-. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 449 - Design and Technology Senior Seminar (3)**

This class addresses a myriad of topics surrounding employment and/or following a life in the theatre. This is the culmination of the assessments that Design and Technology students have completed to date with final focus on resumes, cover letters, portfolios and/or websites. Additionally this class discusses: professional and graduate school interviews, work environments, job searches, theatrical job markets, and personal growth in the field of theatrical design and technology.

Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Theatre Arts (and) Theatre Design/Technology Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 450 - Design and Technology Practicum (3)**

Practicum focused on mainstage production work in the student's emphasis area: design, technical direction or stage management. Typically done in the senior year. This project is assigned by advisor.

Prerequisite: (THEA 149 and THEA 300 with a minimum grade of D-). Major/Minor Restriction: Include Theatre Arts Major(s). Class Restriction: Include Junior and Senior. Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 454 - Theatre Studies Senior Seminar (1)**

In this course we will cover a myriad of topics surrounding employment and/or following a life in the theatre. Students will actively engage in development of their professional theatrical resumes, cover letters and portfolios.

Course Fee: Differential Tuition Required.

**THEA 464 - Audition Techniques (3)**

Covers various aspects of audition techniques. Units include: selection of material, preparing and presenting auditions, resume, and picture preparations and guest instructor information.

Prerequisite: THEA 160 with a minimum grade of D-. Major/Minor Restriction: Include Theatre Arts (and) Acting Major(s). Course Fee: Differential Tuition Required and Course Fee Required.

**THEA 465 - Acting Showcase (3)**

This course includes selection, staging, choreographing, rehearsing and performing the materials selected for the Acting Showcase at the end of Spring Term.

Offered: Generally offered Spring Annually. Major/Minor Restriction: Include Acting Major(s). Class Restriction: Include Senior. Course Fee: Differential Tuition Required.

**THEA 485 - Clinical Experiences II: Secondary Theatre (3)**

Gain practical experience in teaching and learning in the theatre classroom with a variety of materials and concepts. Requires observation in secondary theatre classrooms, as well as preparing, teaching and assessing a theatre arts instructional work sample unit. Reflection on teaching experiences in weekly seminar.

Prerequisite: (THEA 135 and THEA 149 and THEA 160 and THEA 240 and THEA 255 and THEA 260 and EDF 290 with a minimum grade of D-). Offered: Generally offered Fall Annually. Major/Minor Restriction: Include Theatre Arts (and) Theatre Education Major(s). Course Fee: Differential Tuition Required.

**THEA 490 - Theatre Arts Student Teaching Seminar (1)**

This seminar provides persons actively involved in the student teaching program in Theatre Arts with a support system and pertinent information to assist them during their field experience.

Prerequisite: (EDFE 130 with a minimum grade of S or (Passed Required Praxis and Completion of Application for Student Teaching)). Major/Minor Restriction: Include Theatre Arts (and) Theatre Education Major(s). Course Fee: Differential Tuition Required.

**UNIV - University Seminars**

Undergraduate Studies (p. 107)

**UNIV 101 - Foundations for Learning and Development (3)**

The purpose of this course is to help students successfully navigate the challenges and meet the expectations of being an undergraduate student scholar at a research university. This course will introduce theoretical models and the application of these models to help build the foundation for continued intellectual, personal, and professional growth and development. With a broad focus on reading, writing, critical thinking, and communication skills and competencies, this course will help students become independent, strategic learners who can contribute to the university as scholars and who can determine and construct their own futures.

Course Fee: Assessment Fee Required.

**UNIV 431 - McNair Scholars Research Studies I (2)**

Gives students an overview of the research process and skills for graduate school success, as well as a mentored opportunity to participate in the initial steps of research development.

**UNIV 432 - McNair Scholars Research Studies II (2)**

Provides students an overview of research design and method, as well as a mentored opportunity to design a research study.

Prerequisite: UNIV 431 with a minimum grade of D-.

**UNIV 433 - McNair Post Baccalaureate Preparation Seminar (1)**

Introduce students to post baccalaureate education, including: the admissions process, expectations of graduate students, and current issues in the training and responsibilities of faculty. S/U graded.

Class Restriction: Include Senior.

**WLC - World Languages and Cultures**

College of Humanities and Social Sciences

*Department of World Languages and Cultures (p. 87)*

**WLC 195 - Elementary World Language (1 - 5)**

For students with no previous experience with the target language. Develop four language skills, especially speaking. Stresses practical communication, comprehension, pronunciation, fluency and cultural awareness. S/U graded.

Special Notes: Generally awarded as transfer credit for languages not taught at UNC

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**WLC 295 - Intermediate World Language (1-3)**

For students with previous experience with the target language. Develop four language skills, especially speaking. Stresses practical communication, comprehension, pronunciation, fluency, and cultural awareness. S/U graded.

Special Notes: Generally awarded as transfer credit for languages not taught at UNC

Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**WLC 296 - Study Abroad Experience (1-3)**

Gain, through experiential learning abroad, the skills and appreciation of another country's culture, language, and political and societal institutions, in order to become a more responsible and active participant in our diverse and global society. S/U graded.

Offered: Generally offered Fall, Spring, and/or Summer - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: Course may be repeated 2 times.

**WLC 390 - History and Philosophy of Multilingual Education (3)**

Introduction to history, philosophy, and legal issues in education of English language learners in the US. Analyzes current issues concerning bilingual students, bilingual/multilingual education, school reform and community partnerships.

Offered: Generally offered Fall and/or Spring Annually.

**WLC 395 - Special Topics (1-4)**

Explore a special topic related to foreign language study. Conducted in English or in any language taught in the Department of World Languages and Cultures. S/U or letter graded.

Offered: Generally offered Fall, Winter Interim, Spring, and/or Summer - Check with department/school for next offering. Course Attribute: Variable Title Course. Repeatable Status: ST - Repeatable under different subtitles with no limits on the number of times it can be repeated.

**WLC 441 - Methods of Teaching World Languages in K-12 (3)**

Emphasize standard-based teaching and learning methods, curriculum and classroom organization and design, testing and evaluation, procedures and materials, relationship of subject area to K-12 teaching program.

Prerequisite: (Completion of Applic for Initial Adm to PTEP or EDFE 110 with a minimum grade of S). Offered: Generally offered Fall Annually. Program Restrictions: Include Asian Stud:K-12 Chinese Tch-BA and Asian Stud:K-12 Japan Tch-BA and ForLang: K12 French Tchng-BA and ForLang: K12 German Tchng-BA and Spanish:K-12 Spanish Tchng-BA.

## ADMINISTRATION

### Board of Trustees

In parentheses: the first year is the date of the first appointment; the second year is the expiration of the present term.

#### Chair, Richard Monfort (1999-2024)

- Vice Chair, Steve Jordan (2019-2026)
- Maia Babbs (2020-2023)
- Shashwata Prateek Dutta (2020-2023)
- Patricia Barela Rivera (2020-2024)
- Annette Martinez (2022-2025)
- Gregory Anton (2023-2026)
- Faculty Trustee, Angela Vaughn (2022-2023)
- Student Trustee, Christa Harvey (2022-2023)
- Treasurer, Dale Pratt
- Secretary, Jacquelynn Rich Fredericks

### President and General Administration

#### President

##### Andrew Feinstein, Ph.D.

(2018), President – University of Nevada, Las Vegas, B.S.; University of Nevada, Las Vegas, M.S.; The Pennsylvania State University, Ph.D.

#### General Administration

The UNC administration is listed with their name followed by their highest degree. The year in parentheses is the first year of employment at UNC followed by all degrees conferred.

#### Vice Presidents

##### Kirsten Fleming, Ph.D.

(2022), Executive Vice President for Academic Affairs and Provost – University of London, England, B.Sc.; University of Birmingham, England, Ph.D.

##### Tobias J. Guzmán, Ed.D.

(2000), Vice President for Diversity, Equity, and Inclusion – University of Northern Colorado, B.A.; Plymouth State University, M.A.; Northeastern University, Ed.D.

##### Cedric Howard, Ed.D.

(2021), Vice President for Student Affairs and Enrollment Services – Georgia College and State University, B.S.; University of Tennessee, M.Ed.; Capella University, Ed.D.

##### Dale Pratt, B.S.

(2020), Vice President for Finance and Administration and Chief Financial Officer – University of Northern Colorado, B.S.

##### Jacquie Rich Fredericks, Ed.D., J.D.

(2022), Vice President, General Counsel, and Secretary to the Board of Trustees – Ball State University, B.A.; Indiana University-Indianapolis School of Law, J.D., University of Denver, Ed.D.

##### Allie Steg Haskett, M.N.M.

(2005), Vice President for University Advancement – University of Northern Colorado, B.A.; Regis University, M.N.M.

#### Associate Vice Presidents and Associate Provosts

##### Jordan Barkley, Ph.D.

(2022), Vice Provost for Academic Resources and Planning – Auburn University, B.S.; Auburn University, M.S.; Auburn University, Ph.D.

##### Jenna Finley, Ed.D.

(2002), Associate Vice President of Student Affairs – Ball State University, B.S.W.; Ball State University, M.A.; Northeastern University, Ed.D.

##### Jeri-Anne Lyons, Ph.D.

(2020), Associate Vice President of Research and Dean of the Graduate School – University of Wisconsin-Stevens Point, B.S.; Medical College of Wisconsin, Ph.D.

##### Nancy Matchett, Ph.D.

(2007), Associate Provost and Assistant Vice President for Undergraduate Studies – Brown University, B.A.; American University, M.A.; University of Maryland at College Park, Ph.D.

##### Blaine Nickeson, M.S.

(2019), Associate Vice President for Administration – University of Washington, B.A.; Colorado State University, M.S.

#### Assistant Vice Presidents and Assistant Provosts

##### Kim Black, Ph.D.

(2001), Assistant Provost for Academic Effectiveness – University of Northern Colorado, B.A.; University of Northern Colorado, M.A.; University of Northern Colorado, Ph.D.

##### Lyndsey Crum, J.D.

(2014), Assistant Vice President for Alumni Relations – University of Northern Colorado, B.A.; University of Denver, J.D.

**Deborah Farris, M.S.**

(2022), Assistant Vice President for Marketing and Communications – Ohio Northern University, B.A.; University of Louisiana-Lafayette, M.S.

**Kirk Leichliter, B.S.**

(1990), Assistant Vice President for Facilities Management – University of Wyoming, B.S.

**Peter Lien, M.S.**

(2021), Assistant Vice President for Enrollment Management – Concordia College, B.A.; Minnesota State University Moorhead, M.S.

**Leila McCamey, M.S.**

(2023), Assistant Vice President for Finance – Illinois Wesleyan University, B.M.E.; University of Colorado Denver, M.S.

**Jenny Shoop, M.S.**

(2009), Assistant Vice President for Development – University of Northern Colorado, B.A.; University of Northern Colorado, M.S.

**Stephanie Torrez, M.A.**

(1996), Assistant Vice President for Student Success – University of Northern Colorado, B.A.; University of Northern Colorado, M.A.

## College Administration

### College of Education and Behavioral Sciences

**Jared Stallones, Ph.D., Dean**

(2021), University of Texas at Austin, B.A.; University of Texas at Austin, M.A.; University of Texas at Austin, Ph.D.

### College of Humanities and Social Sciences

**James P. Doerner, Ph.D., Interim Dean**

(1994), Professor of Geography – Oklahoma State University, B.S.; University of Denver, M.A.; University of Denver, Ph.D.

### Kenneth W. Monfort College of Business

**Keiko Krahnke, Ph.D., Interim Dean**

(1999), Professor of Management – Doshisha Women's College, B.A.; Colorado State University, M.A.; Colorado State University, Ph.D.

### College of Natural and Health Sciences

**Kamel Haddad, Ph.D., Dean**

(2021), Georgia Institute of Technology, B.S.; University of Maryland, Ph.D.

### College of Performing and Visual Arts

**Cristina Goletti, M.F.A., Dean**

(2021), University of Colorado, M.F.A.; London Contemporary Dance School, Postgraduate Diploma & Certificate in Higher Ed.; MAS-Milan Italy, Diploma in Performing Arts/Contemporary

### Graduate School

**Jeri-Anne Lyons, Ph.D., Dean**

(2020), Associate Vice President of Research and Dean of the Graduate School – University of Wisconsin-Stevens Point, B.S.; Medical College of Wisconsin, Ph.D.

### University Libraries

**Jayne Blodgett, M.A., M.L.I.S., Interim Dean**

(2016), University of Wisconsin-Eau Claire, B.A.; University of Wisconsin-Eau Claire, M.A.; St. Catherine University, M.L.I.S.

## UNC FACULTY

### Department of Accounting and Computer Information Systems Faculty

**Tabandeh Harraf, M.S.**

(2007), Senior Lecturer of Computer Information Systems - Utah State University, B.S.; Utah State University, M.S.; Embry-Riddle University, M.S.E.

**Jay M. Lightfoot, Ph.D.**

(1991), Professor of Computer Information Systems - East Texas State University, B.S.; University of Colorado at Colorado Springs, M.B.A.; University of Colorado at Boulder, Ph.D. (G)

**Muhanad "Moe" Manshad, Ph.D.**

(2018), Assistant Professor of Computer Information Systems - New Mexico State University, B.S.; New Mexico State University, M.S.; New Mexico State University, Ph.D. (G)

**Anna Rose, Ph.D.**

(2022), Professor of Accounting - Texas A&M University, B.B.A.; Texas A&M University, M.S.; Texas A&M University, Ph.D.

**Jacob Rose, Ph.D.**

(2022), Professor of Accounting - Texas A&M University, M.S.; Texas A&M University, Ph.D.

**Philipp D. Schaberl, Ph.D.**

(2018), Associate Professor of Accounting - Johannes Kepler University Linz Austria. M.S.; University of Cincinnati, M.S.; University of Cincinnati, Ph.D.

**Lloyd "Pat" Seaton, Ph.D.**

(2007), Associate Professor of Accounting - University of Arkansas, B.S.; University of Arkansas, M.B.A.; University of Nebraska, Ph.D. (G)

**Jessica Weber, Ph.D.**

(2017), Associate Professor of Accounting - University of Wisconsin, B.B.A.; University of Wisconsin, M.Acc.; University of Colorado, Ph.D.

**William E. Wilcox, Ph.D.**

(2009), Professor of Accounting - Iowa State University, B.S.; University of South Dakota, M.S.; University of Lincoln-Nebraska, Ph.D. (G)

### Africana Studies Program Faculty

**George H. Junne, Jr., Ph.D.**

(1992), Professor of Africana Studies - University of Michigan, B.F.A.; University of Michigan, M.A.; University of Michigan, Ph.D. (G)

**Caitlin Monroe, Ph.D.**

(2022), Assistant Professor of Africana Studies - Northwestern University, Ph.D. (G)

### Department of American Sign Language and Interpreting Studies Faculty

**Pauline M. Ballentine, M.A., CDI**

(2017), Senior Lecturer of American Sign Language & Interpreting Studies - North Central University, B.A.; Regents University, M.A.

**Barbara Garrett, Ph.D.**

(2016), Director of American Sign Language & Interpreting Studies - World Evangelism Bible College, B.A.; Missouri State University, M.A.; Biola University, Ph.D. (G)

**Melinda Kisling, M.Ed.**

(2021), Senior Lecturer of American Sign Language & Interpreting Studies - Rochester Institute of Technology, B.F.A.; Lamar University, M.Ed.

**Anand Raj, M.A.**

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**Kellie Stewart, M.Ed.**

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### Department of Anthropology Faculty

**Andrew T. Creekmore III, Ph.D.**

(2011), Professor of Anthropology - University of North Carolina at Chapel Hill, B.A.; Pennsylvania State University, M.A.; Northwestern University, Ph.D. (G)

**Whitney L. Duncan, Ph.D.**

(2012), Associate Professor of Anthropology - Columbia University, B.A.; University of California-San Diego, M.A.; University of California-San Diego, Ph.D. (G)

**Marian Hamilton, Ph.D.**

(2018), Assistant Professor of Anthropology - Pennsylvania State Professor, B.A.; University of New Mexico, M.S.; University of New Mexico, Ph.D.

**Michael Kimball, Ph.D.**

(2013), Professor of Anthropology - College of the Atlantic Bar Harbor ME, B.A.; University of Wisconsin-Madison, M.A.; University of Wisconsin- Madison, Ph.D. (G)

**Britney Kyle, Ph.D.**

(2012), Professor of Anthropology - University of Colorado, B.A.; The Ohio State University, M.A.; The Ohio State University, Ph.D.

**Ather Zia, Ph.D.**

(2014), Associate Professor of Anthropology and Gender Studies - University of Kashmir, Srinagar, Kashmir, India, B.Sc.; University of Kashmir, India, M.A.; Cal State University-Fullerton, M.A.; University of California-Irvine, Ph.D. (G)

## Department of Applied Psychology and Counselor Education Faculty

**Heather Helm, Ph.D.**

(2004), Chair, Department of Applied Psychology and Counselor Education, Professor of Counselor Education - Washington State University, B.S.; University of Mississippi, M.Ed.; University of Mississippi, Ph.D. (G, DR)

**Brian D. Johnson, Ph.D.**

(1998), Professor of Counseling Psychology - University of Iowa, B.S.; University of Iowa, Ph.D. (G, DR)

**Danielle M. Kahlo, Ph.D.**

(2009), Associate Professor of Applied Psychology and Counselor Education - University of Mississippi, B.A.; University of Mississippi, M.A.; University of Northern Colorado, Ph.D. (G)

**Jennifer L. Murdock, Ph.D.**

(2007), Professor of Counselor Education - Chadron State College, B.A.; Chadron State College, M.A.; University of Wyoming, Ph.D. (G, DR)

**Kristin Myers, Ph.D.**

(2021), Assistant Professor of Applied Psychology and Counselor Education - University of Northern Colorado, B.A.; University of Northern Colorado, M.A.; University of Northern Colorado, Ph.D.

**Kenneth J. Parnell, Ph.D.**

(2017), Associate Professor of Counseling Psychology - Brigham Young University, B.S.; University of Maryland-College Park, M.S.; University of Nebraska-Lincoln, Ph.D. (G)

**Jeffrey A. Rings, Ph.D.**

(2011), Associate Professor of Counseling Psychology - Pepperdine University, B.A.; Northwestern University, M.A.; University of Denver, Ph.D. (G, DR)

**Lu Tian, Ph.D.**

(2015), Associate Professor of Counseling Psychology - Beijing Normal University, B.S.; Beijing Normal University, M.E.; University of Missouri, Ph.D. (G)

**Matthew Tis, Ph.D.**

(2021), Assistant Professor of Applied Psychology and Counselor Education - Grove City College, B.A.; Denver Seminary, M.A.; University of Northern Colorado, Ph.D.

**Angela L Vaughan, Ph.D.**

(2010), Associate Professor, First Year Curriculum and Instruction - University of Texas, Arlington, B.S.; University of Texas, Arlington, M.Ed.; University of Texas, Austin, Ph.D. (G)

**Angela G. Weingartner, Ph.D.**

(2017), Assistant Professor of Counselor Education - Metropolitan State University of Denver, B.A.; University of Northern Colorado, M.A.; University of Wyoming, Ph.D. (G)

**Stephen L. Wright, Ph.D.**

(2008), Professor of Counseling Psychology - Asbury College, B.A.; Ball State University, M.A.; Ball State University, Ph.D. (G, DR)

## Department of Applied Statistics and Research Methods Faculty

**Maria K. E. Lahman, Ph.D.**

(2001), Professor of Applied Statistics and Research Methods - Eastern Mennonite University, B.S.; James Madison University, M.S.; Virginia Polytechnic Institute and State University, Ph.D. (G, DR)

**Randy Larkins, Ph.D.**

(2018), Assistant Professor of Applied Statistics and Research Methods - Colorado State University, B.A.; Colorado State University, M.S.; University of Northern Colorado, Ph.D. (G)

**William Merchant, Ph.D.**

(2017), Associate Professor of Applied Statistics and Research Methods - Keene State University, B.A.; Kent State University, M.Ed.; Kent State University, Ph.D. (G, DR)

**Khalil Shafie, Ph.D.**

(2007), Professor of Applied Statistics and Research Methods - Shahid Chamran University, B.Sc.; Shahid Chamran University, M.Sc.; McGill University, Ph.D. (G, DR)

**Chia-Lin Tsai, Ph.D.**

(2017), Assistant Professor of Applied Statistics and Research Methods - University of Missouri, B.A.; University of Missouri, M.A.; Boston College, M.A.; University of Missouri, Ph.D. (G)

**Han Yu, Ph.D.**

(2017), Assistant Professor of Applied Statistics and Research Methods - Xiamen University, B.S.; Xiamen University, M.S.; Florida State University, M.S.; Florida State University, Ph.D. (G, DR)



## School of Art and Design Faculty

### **Samuel Dong Saul, M.F.A.**

(2022), Assistant Professor of Art & Design - Monterrey Institute of Technology, B.S.; University of Northern Colorado, M.A.; Colorado State University, M.F.A. (G)

### **Lauren Eisen, M.F.A.**

(2006), Professor of Art & Design - Columbus College of Art & Design, B.F.A.; Tulane University, M.F.A. (G)

### **Mark Fetkewicz, M.F.A.**

(2000), Professor of Art & Design - Colorado State University, B.F.A.; University of Illinois-Urbana-Champaign, M.F.A. (G)

### **Kiki Gilderhus, Ph.D.**

(2015), Associate Professor of Art & Design - Gustavus Adolphus College, B.A.; University of Wisconsin-Madison, M.A.; University of Wisconsin-Madison, Ph.D. (G)

### **Donna Goodwin, Ph.D.**

(2017), Associate Professor of Art & Design - University of North Texas, B.F.A.; University of Phoenix, Denver, M.A.; University of Denver, Ph.D. (G, DR)

### **Michael Lemke, M.F.A.**

(2005), Professor of Art & Design - University of Northern Colorado, B.A.; Kansas State University, M.F.A. (G)

### **Andrew Liccardo, M.F.A.**

(2013), Professor of Art & Design - Loyola University of Chicago, B.A.; Texas Tech University, M.F.A.

### **Hye Jeong Park, Ph.D.**

(2022), Gachon University, South Korea, B.F.A.; Iowa State University, M.F.A.; Iowa State University Ph.D. (G)

### **Connie Stewart, Ph.D.**

(1998), Professor of Art & Design - University of Northern Colorado, B.A.; University of Northern Colorado, M.A.; Union Institute and University, Ph.D. (G, DR)

### **Anna Ursyn, Ph.D.**

(1993), Professor of Art & Design - University of Fine Arts-Warsaw, Poland, M.F.A.; University of Wyoming, M.F.A.; University of Wyoming, Ph.D. (G, DR)

## School of Biological Sciences Faculty

### **Lauryn Benedict, Ph.D.**

(2010) Professor of Biological Sciences - Cornell University B.A.; University of California, Berkeley, Ph.D. (G, DR)

### **Patrick Burns, Ph.D.**

(2004), Professor of Biological Sciences - West Virginia University, B.S.; Clemson University, M.S.; Clemson University, Ph.D. (G, DR)

### **Gregory K. DeKrey, Ph.D.**

(2001), Associate Professor of Biological Sciences - University of California-Santa Cruz, B.A.; Oregon State University, Ph.D. (G, DR)

### **Ginger Fisher, Ph.D.**

(2009), Associate Professor of Biological Sciences - Indiana University of Pennsylvania, B.A.; Indiana University of Pennsylvania, B.S.; Wake Forest University, M.S.; Wake Forest University, Ph.D. (G, DR)

### **Scott B. Franklin, Ph.D.**

(2008), Professor of Biological Sciences - Upper Iowa University, B.S.; Southern Illinois University, M.S.; Southern Illinois University, Ph.D.; University of Joensuu, Finland; Ph.D. (G, DR)

### **Susana Karen Gomez, Ph.D.**

(2012), Associate Professor of Biological Sciences - University Autonoma Gabriel Rene Moreno, Santa Cruz, Bolivia, B.S.; University of Arkansas, M.S.; University of Arkansas, Ph.D. (G)

### **Yuyan Han, Ph.D.**

(2018), Assistant Professor of Biological Sciences - Tongji University, Shanghai, China, B.S.; Tongji University, Shanghai, China, M.S.; Texas A&M University, Ph.D. (G)

### **James M. Haughian, Ph.D.**

(2012), Assistant Professor of Biological Sciences - University of Wisconsin-Madison, B.S.; University of Wisconsin-Madison, M.S.; University of Colorado, Ph.D. (G)

### **Teresa M. Higgins, Ph.D.**

(2003), Professor of Biological Sciences - Saint Francis College, B.S.; Clarion University of Pennsylvania, M.Ed.; University of Georgia, Ph.D. (G)

### **Emily Holt, Ph.D.**

(2016), Associate Professor of Biological Sciences - Colorado College, B.A.; University of Wyoming, M.S.; Oregon State University, Ph.D. (G, DR)

### **Andrea James, Ph.D.**

(2016), Assistant Professor of Biological Sciences - San Francisco State University, B.S.; Stanford University, Ph.D. (G, DR)

### **Susan M. Keenan, Ph.D.**

(2006), Professor of Biological Sciences - University of Missouri St. Louis, B.A.; St. Louis Medical School, Ph.D. (G, DR)

### **Judith Leatherman, Ph.D.**

(2010), Associate Professor of Biological Sciences - Eastern Mennonite University, B.S.; University of Pennsylvania School of Medicine, Ph.D. (G, DR)

**Stephen P. Mackessy, Ph.D.**

(1994), Professor of Biological Sciences - University of California, B.A.; University of California, M.A.; Washington State University, Ph.D. (G, DR)

**Mitchell McGlaughlin, Ph.D.**

(2008), Professor of Biological Sciences - Reed College, B.A.; Claremont Graduate University/Rancho Santa Ana Botanic Gardens, Ph.D. (G, DR)

**Nicholas Pullen, Ph.D.**

(2016), Associate Professor of Biological Sciences - James Madison University, B.S.; Virginia Commonwealth University, Ph.D. (G, DR)

**Mark P. Thomas, Ph.D.**

(2006), Associate Professor of Biological Sciences - University of California, Davis, B.S.; University of California, Davis, Ph.D. (G, DR)

## Department of Chemistry and Biochemistry Faculty

**Aaron K. Apawu, Ph.D.**

(2018), Assistant Professor of Chemistry - B.S., University of Cape Coast (Ghana); M.S., East Tennessee State University; Ph.D., Wayne State University (G)

**Corina E. Brown, Ph.D.**

(2013), Assistant Professor of Chemistry - Polytechnic Institute of Bucharest, B.S.; University of Northern Colorado, M.S.; University of Northern Colorado, Ph.D. (G)

**Aichun Dong, Ph.D.**

(1995), Professor of Chemistry - Guangxi Medical University of China. M.D.; Colorado State University, Ph.D. (G, DR)

**Robert P. Houser, Ph.D.**

(2012), Professor of Chemistry - Colorado State University, B.S.; University of Minnesota, Ph.D.

**Michael D. Mosher, Ph.D.**

(2011), Professor of Chemistry - University of Idaho, B.S.; Dartmouth College, M.S.; Texas Tech University, Ph.D. (G)

**Murielle Watzky, Ph.D.**

(2014), Associate Professor of Chemistry and Biochemistry - Ecole Supérieure de Chimie Industrielle de Lyon, France, Diplôme d'Ingenieur; Wayne State University, Ph.D. (G, DR)

**Melissa Weinrich, Ph.D.**

(2017), Associate Professor of Chemistry - Reed College, B.A.; University of Arizona, Ph.D.

## Department of Chicana/o and Latinx Studies Faculty

**Dennis Aguirre, Ph.D.**

(2017), Assistant Professor of Chicana/o and Latinx Studies - The University of New Mexico, B.A.; The University of Texas at El Paso, M.A.; The University of Texas at El Paso, Ph.D.

**Jonathan Alcantar, Ph.D.**

(2016), Associate Professor of Chicana/o and Latinx Studies - San Jose State University, B.A.; San Jose State University, M.A.; University of California, Davis, Ph.D. (G)

## Department of Communication Sciences and Disorders Faculty

**Diane Erdbruegger, Au.D.**

(1988), Assistant Professor of Communication Sciences and Disorders - Colorado State University, B.S.; University of Northern Colorado, M.A.; Pennsylvania College of Optometry, School of Audiology, Au.D. (G)

**Tina Farrell, M.A.**

(2013), Instructor of Communication Sciences and Disorders - California State University, B.A.; University of Colorado, Boulder, M.A.

**Donald S. Finan, Ph.D.**

(2009), Professor of Communication Sciences and Disorders - Eastern Illinois University, B.S.; Eastern Illinois University, M.S.; Indiana University, Ph.D. (G, DR)

**Erinn M. Jimmerson, Au.D.**

(2013), Instructor of Communication Sciences and Disorders - University of Northern Colorado, B.A.; University of Northern Colorado, M.A.; Salus University, Au.D.

**Charles Lenell, Ph.D.**

(2022), Assistant Professor of Communication Sciences and Disorders - Northern Illinois University, B.S.; Eastern Illinois University, M.S.; New York University, Ph.D.

**Deanna K. Meinke, Ph.D.**

(2004), Professor of Communication Sciences and Disorders - Colorado State University, B.S.; Northern Illinois University, M.A.; University of Colorado, Ph.D. (G, DR)

**Kim A. Murza, Ph.D.**

(2012), Associate Dean, College of Natural and Health Sciences and Associate Professor of Communication Sciences and Disorders - University of Central Florida, B.A.; University of Central Florida, M.A.; University of Central Florida, Ph.D. (G)

**Caitlin Raaz, Ph.D.**

(2020), Assistant Professor of Communication Sciences and Disorders - University of Washington, B.S.; Arizona State University, M.S.; Arizona State University, Ph.D. (G)

**Nicole Reisfeld, SLPD**

(2010), Instructor of Communication Sciences and Disorders - Worcester State College, B.S.; Pennsylvania State University, M.S.; Northwestern University, SLPD

## Communication and Journalism Faculty

**Linda S. Allen, Ph.D.**

(1992), Professor of Communication - Idaho State University, B.A.; University of Wisconsin, M.A.; University of Oregon, Ph.D. (G)

**Thomas G. Endres, Ph.D.**

(2003), Professor of Communication - St. Cloud State University, B.S.; University of Illinois, M.A.; St. Paul Seminary School of Divinity, M.A.; University of Minnesota, Ph.D. (G)

**Jarae Fulton, M.A.**

(2008), Senior Lecturer of Communication - University of Northern Colorado, B.A.; University of Northern Colorado, M.A.

**Lynn Klyde-Allaman, Ph.D.**

(2000), Associate Professor of Journalism and Media Studies - Indiana University, B.A.; University of North Carolina, M.A.; Ohio University, Ph.D.

**Sherilyn R. Marrow, Ph.D.**

(1995), Professor of Communication - University of Nebraska, B.S.; University of Nebraska, M.A.; University of Denver, Ph.D. (G)

**Heidi Muller, Ph.D.**

(2002), Professor of Communication - Carleton College, B.A.; Harvard Graduate School of Education, M.Ed.; University of Colorado, Ph.D. (G)

**David L. Palmer, Ph.D.**

(1999), Professor of Communication - Wheaton College, B.A.; Ohio University, M.A.; Bowling Green State University, Ph.D. (G)

**Charles E. Soukup, Ph.D.**

(2001), Professor of Communication - Minnesota State University, B.A.; University of Northern Iowa, M.A.; University of Nebraska, Ph.D. (G)

**David Staton, Ph.D.**

(2016), Associate Professor of Journalism and Media Studies - University of New Mexico, B.A.; State University of New York, Purchase, M.A.; University of Oregon, Ph.D.

## Department of Criminology and Criminal Justice Faculty

**Mary Evans, Ph.D.**

(2023), Assistant Professor of Criminology & Criminal Justice - University of Nebraska at Omaha, Ph.D. (G)

**Vivian Guetler, Ph.D.**

(2023), Assistant Professor of Criminology & Criminal Justice - Criminal Justice - West Virginia University, Ph.D. (G)

**Brian Iannacchione, Ph.D.**

(2012), Associate Professor of Criminology & Criminal Justice - Pennsylvania State University, B.A.; Boise State University, M.A.; Indiana University of Pennsylvania, Ph.D. (G)

**Victoria Terranova, Ph.D.**

(2016), Associate Professor of Criminology & Criminal Justice - Texas State University, B.S.; Texas State University, M.S.; Texas State University, Ph.D. (G)

**Kyle C. Ward Ph.D.**

(2015), Associate Professor of Criminology & Criminal Justice - Lebanon Valley College, B.A.; John Jay College of Criminal Justice, M.A.; Indiana University of Pennsylvania, Ph.D. (G)

## Department of Earth and Atmospheric Sciences Faculty

**Steven Anderson, Ph.D.**

(2007), Professor of Geology - Cornell College, B.S.; Arizona State University, M.S.; Arizona State University, Ph.D. (G, DR)

**Graham B. Baird, Ph.D.**

(2007), Professor of Earth Sciences - St. Lawrence University, B.S.; State University of New York at Binghamton, M.A.; University of Minnesota, Ph.D. (G)

**Sharon Bywater-Reyes, Ph.D.**

(2017), Assistant Professor of Geology - Southern Oregon University, B.S., B.A.; University of Wyoming, M.S.; University of Montana, Ph.D.

**Joe T. Elkins, Ph.D.**

(2007), Associate Professor of Earth Sciences - State University of West Georgia, B.S.; State University of West Georgia, M.Ed.; University of Georgia, Ph.D.

**Emmett Evanoff, Ph.D.**

(2005), Associate Professor of Earth Sciences - University of Wyoming, B.S.; University of Colorado, M.S.; University of Colorado, Ph.D. (G)

**Wendilyn Flynn, Ph.D.**

(2012), Associate Professor of Meteorology - St. Cloud University, B.S.; University of Illinois-Urbana, M.S.; University of Illinois-Urbana, Ph.D.

**Timothy Grover, Ph.D.**

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**David G. Lerach, Ph.D.**

(2013), Associate Professor of Meteorology - Saint Cloud State University, B.S.; Colorado State University, M.S.; Colorado State University, Ph.D. (G)

**Lucinda Shellito, Ph.D.**

(2005), Professor of Meteorology - University of California, Davis, B.S.; University of California, Davis, M.S.; University of California, Santa Cruz, Ph.D. (G)

**Bryon M. Straw, M.A.**

(2016), Senior Lecturer in Earth Sciences - Clarion University of Pennsylvania, B.S.; University of Northern Colorado, M.A.

**Department of Economics Faculty****David R. Aske, Ph.D.**

(1997), Professor of Economics - Mankato State University, B.S.; University of Nebraska, Ph.D.

**Mark Eiswerth, Ph.D.**

(2009), Professor of Economics - Colorado College, B.A.; University of Maryland, M.A.; University of Maryland, Ph.D.

**Chris Marston, Ph.D.**

(1999), Professor of Economics - University of Nevada-Reno, B.S.; University of Nevada-Reno, M.S.; Colorado State University, Ph.D.

**Chris McMahan, Ph.D.**

(2018), Assistant Professor of Economics - Trinity University, B.A.; University of Colorado, M.A.; University of Colorado, Ph.D.

**Junpyo Park, Ph.D.**

(2018), Assistant Professor of Economics - Chungnam National University, South Korea, B.A.; University of Nebraska, Lincoln, M.A.; University of Nebraska, Lincoln, Ph.D.

**Dawit Senbet, Ph.D.**

(2011), Professor of Economics - Addis Ababa University, B.A.; Western Michigan University, M.A.; Western Michigan University, Ph.D. (G)

**Department of English Faculty****Roger Austin, Ph.D.**

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**Stacy R. Bailey, Ph.D.**

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**Kevin Bomley, M.A.**

(2018), Lecturer of English - Kennesaw State University, M.A.

**Kristin Bovaird-Abbo, Ph.D.**

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