



## **Academic Catalog**

# **Undergraduate and Graduate Programs**

**2020-21**

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## **About Adams State**

“Great Stories Begin Here” is not simply a slogan at Adams State University. Student success is the result of our caring campus culture. Highly qualified faculty focus on teaching and excellence within their disciplines. Individual attention is provided through our small class sizes and student-faculty ratio of 14:1. Founded in 1921 to serve the rural, south-central region of Colorado, Adams State remains crucial to the area’s educational opportunity, economic development, and cultural enrichment.

Adams State University is a comprehensive institution of academic excellence with Degrees That Matter. We offer associate’s degrees, bachelor’s degrees in 16 areas with 53 emphases, five teacher licensure programs, and 10 pre-professional programs, in addition to master’s and doctoral degrees. We initiated the state’s first Guaranteed Tuition program for undergraduates studying on-campus, in order to control costs and encourage graduation within four years.

Colorado’s first federally designated, four-year Hispanic-Serving Institution (HSI), Adams State is proud to have the most diverse student body of the state’s four-year institutions. Total minority enrollment is 51 percent, with 38 percent of undergraduate students identifying as Hispanic. A third of our students are the first in their families to attend college.

With about one-third of the student body participating in athletics, the Adams State Grizzlies compete in the NCAA Division II and the Rocky Mountain Athletic Conference (RMAC). Adams State also has over 60 student clubs and organizations, including the Adams State Adventure Program, which teaches skills to enjoy the great outdoors.

The Adams State campus was transformed through \$104 million worth of recent improvements. An intimate campus with treed-lined walkways, state-of-the-art classrooms and laboratories, supportive programs, and vibrant student life await students at Adams State University.

## **Welcome from the President**

Are you looking for a place where you can get a big university experience with a personal touch? A place where you can receive a quality education with qualified professors in a small classroom setting? A place where you can be involved in campus clubs and athletics and make a difference? A place where your degree will not burden you with debt after you graduate? Then you have found the perfect place.

Welcome to Adams State University (ASU) where every student is considered part of the Grizzly family. Our current and past students will tell you that our small classes and caring campus community will help you build relationships with your professors and your fellow students—relationships that will help you through your academics and into the workplace.

A degree from Adams State will prepare you for the global workplace. In addition to high-quality and competitive academic programs taught by qualified professors, you will join students from 48 different states, 19 countries, and 4 territories. We also offer a wide-array of activities, athletics, clubs, and chances to build life-long relationships. These activities help prepare you to make a difference in the community once you graduate and leave our beautiful campus.

To help you graduate, we have multiple delivery models and other accommodations for starting, continuing, and completing your degree. We have intentional pathways to individualize your path to graduation. These services are listed in this catalog and we encourage you to give us the opportunity to help you find the path to graduation that is best for you. We look forward to having you join our Grizzly tradition as you create your own great story. Join us. We hope to see you soon.

## **Mission Statement**

Adams State’s mission is to educate, serve, and inspire our diverse populations in the pursuit of their lifelong dreams and ambitions.

## **Vision Statement**

To become the university community of choice for diverse and traditionally underrepresented groups and all who value quality education and inclusivity.

## **As members of the Adams State University community, we value:**

- opportunity and access for all
- excellence in teaching and learning

- growth through inclusion of diverse cultures and ideas
- a learning and civic community of trust, respect, and civility
- caring and personal relationships
- innovation, integrity, and ethical leadership
- responsible stewardship

## **Institutional Learning Outcomes**

The following “Adams Outcomes” (ASU’s institutional learning outcomes) specify the knowledge, skills, and abilities that Adams State students are expected to develop as a result of their overall experiences with any aspect of ASU, including curricular (General Education and the majors), co-curricular, and extracurricular opportunities.

### ***Area I: Knowledge of Human Cultures and the Physical and Natural World***

Through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts. Focused by engagement with big questions grounded in Place-based Education which encourages the learner to contextualize knowledge within local, national, and global communities.

### ***Area II: Intellectual and Practical Skills***

#### **Critical thinking (GT)**

- Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion

#### **Creative thinking (GT)**

- Creative thinking is both the capacity to combine or synthesize existing ideas, images, or expertise in original ways and the experience of thinking, reacting, and working in an imaginative way characterized by a high degree of innovation, divergent thinking, and risk taking.

#### **Written communication (GT)**

- Written communication is the development and expression of ideas in writing. Written communication involves learning to work in many genres and styles. It can involve working

with many different writing technologies, and mixing texts, data, and images. Written communication abilities develop through iterative experiences across the curriculum.

#### **Oral communication (GT)**

- Oral communication is a prepared, purposeful presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners’ attitudes, values, beliefs, or behavior. Teamwork is behaviors under the control of individual team members (effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions.)

#### **Problem-solving (GT)**

- Problem solving is the process of designing, evaluating and implementing a strategy to answer an open-ended question or achieve a desired goal.

Practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance

### ***Area III: Personal and Social Responsibility***

#### **Civic Engagement (GT)**

- Civic engagement is “working to make a difference in the civic life of our communities and developing the combination of knowledge, skills, values, and motivation to make that difference. It means promoting the quality of life in a community, through both political and non-political processes.” (Excerpted from *Civic Responsibility and Higher Education*, edited by Thomas Ehrlich, published by Oryx Press, 2000, Preface, page vi.) In addition, civic engagement encompasses actions wherein individuals participate in activities of personal and public concern that are both individually life enriching and socially beneficial to the community.

#### **Foundations and skills for lifelong learning**

- Lifelong learning is “all purposeful learning activity, undertaken on an ongoing basis with the aim of improving knowledge, skills and competence”. An endeavor of higher education is to prepare students to be this type of learner by developing specific dispositions and skills

described in this rubric while in school. (From The European Commission. 2000)

Anchored through active involvement with diverse communities with particular focus on the learner's place in ASU's local community and the world.

### ***Area IV: Integrative and Applied Learning***

#### **Synthesis and advanced accomplishment across general and specialized studies**

- Integrative learning is an understanding and a disposition that a student builds across the curriculum and co-curriculum, from making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus; Demonstrated through the application of knowledge, skills, and responsibilities to new and familiar settings and through addressing complex problems.

**\*(GT) are equivalent to Guaranteed Transfer/General Education Outcomes.**

### **Accreditation**

Adams State University is accredited by the Higher Learning Commission (HLC) at 230 South LaSalle Street, Suite 7-500, Chicago, Illinois, 60604. HLC can be contacted by phone at 800-621-7440, by email at [inquiry@hlcommission.org](mailto:inquiry@hlcommission.org) or by web at [www.ncahlc.org](http://www.ncahlc.org).

For more information, visit the [HLC webpage](#).

Individual programs are accredited through the National Association of Schools of Music, Commission on Collegiate Nursing Education (CCNE), and the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Adams State University is an institutional member of the American Council on Education, the American Association of State Colleges and Universities, the American Assembly of Collegiate Schools of Business, and the National Association of Schools of Music. Adams State University is also a member of the Hispanic Association of Colleges and Universities (HACU).

### **Buildings/Campus Tour**

The 97-acre Adams State University campus has been transformed over the last decade with \$104 million worth of improvements. These include new and

upgraded student housing, remodeled academic buildings, new athletic fields, a new stadium complex, and new parking lots.

### **The Nielsen Library**

The center of an institution of higher education should be its library. Adams State University's Nielsen Library, constructed of Colorado red stone and accented with white columns and trim, was completed in 1973. It houses TRiO Student Support Services, the Grizzly Testing and Learning Center, and the Student Success Center with Academic Advising, Career Services, Accessibility Services, and College Readiness. The library has 167,580 books, 40,430 bound periodicals, 3,095 federal government documents, 11,544 microform, 2,720 audio-visual items, 369 periodical subscriptions, and 20,000+ online journals.

The Nielsen Library provides for the selection, acquisition, cataloging, classification, storage, and retrieval of information published in a variety of print and non-print formats. Some of the special features of the library include study areas equipped with individual carrels; modern research tools, including online services such as OCLC, FirstSearch, EBSCOhost, LexisNexis Academic Universe and Innovative Interfaces (Triple I) public catalog; the Ruth Marie Colville Room and the Dr. Jack Kyle Cooper Room, which house valuable material on the history of the San Luis Valley, Colorado, northern New Mexico, and the Southwest; and the Archive Room, which contains materials and memorabilia from the university. An electronic classroom for library instruction is located on the first floor, and an information commons, the Grizzly Testing and Learning Center were added to the second floor. The library is a member of the Western Colorado Academic Library Consortium (WCALC) and Colorado Academic Library Consortium (CALC).

The Nielsen Library offers an introductory research course teaching students how to effectively use its resources and services for academic work and lifelong learning.

### **Instruction Buildings**

Adams State University's academic facilities feature the latest technology and computer equipment for all disciplines.

- The **Music Building**, renovated in 2011, has state-of-the-art music technology and meets modern acoustical standards. The building has a new recording studio, two rehearsal halls, a

percussion studio, four new practice rooms, and new furnishings and musical instruments.

- **McDaniel Hall**, was also remodeled in 2011 and offers an optimal learning environment with technology-enhanced classrooms and multiple study areas.
- **Leon Memorial Concert Hall** is a newly upgraded recital venue with new seating and acoustic enhancements and features a Steinway grand piano and historic pipe organ.
- The **School of Business** features SMART classrooms, lecture halls, and advanced computing labs.
- The **Adams State Theatre**, is equipped with two modern stages, lighting, and production equipment.
- The **Art Building** features a SMART classroom, a circular gallery, and modern studio facilities for ceramics, sculpture, metals, fiber, painting, drawing, photography, printmaking, and graphic design.
- **Porter Hall** houses modern laboratories and computer labs for the science and mathematics programs. It also features the Edward Ryan Geological Museum.
- The **Zacheis Planetarium and Observatory** offers Adams State students unique opportunities to expand their knowledge and experience well beyond the classroom through interaction with the public or individual research projects.
- The **SLV Center for Clinical Excellence** has one of the top simulation laboratories in the nation. Our nursing students are well prepared for clinical experience with instruction that features state-of-the-art medical equipment, simulation technology including a \$65,000 computerized mannequin, and an actual Pyxis Medication Station.

## Student Union Building

The SUB is the lively, friendly hub of the campus. It houses the One Stop Student Services Center, La Mesa Dining Hall, the Bookstore, and Student Life Office. Also located in the SUB are offices of the student government, student newspaper, radio station and a 24-hour computer lab. Other amenities include a food court, coffee shop, convenience store, study rooms, meeting

rooms and the Loft with snacks, games, and television sets.

## Rex Activity Center

Rex Activity Center is a lively facility for fitness, wellness, and recreation. It has state-of-the-art cardiovascular equipment and offers a variety of fitness options, including aerobic sessions, weight training, racquetball, basketball, volleyball, and a 2,080 square-foot climbing wall. It is a great place to get in shape and meet friends. Rex is also the home of the Adams State Adventure Program and equipment rental shop.

## Plachy Hall

The center of physical and recreational activities on campus is Plachy Hall and its surrounding grounds. The facility houses two basketball courts, a modern weight room, and indoor Olympic-size swimming pool. It is adjacent to soccer, lacrosse, softball, and football fields, as well as Rex Stadium and outdoor track and the High Altitude Training Center.

## High Altitude Training Center

The 85,000 square-foot High Altitude Training Center is a “bubble”—an air supported dome structure— that is home to indoor track and field events. The center features a 200-meter, 8-lane track with a synthetic rubber surface that provides high quality shock absorption, skid resistance, force reduction, and overall comfort for athletes. It also provides space for jumps, vaults, and throwing events, as well as spectator seating and public restrooms.

## Richardson Hall

Adams state’s historic Richardson Hall, the oldest building on campus, was completely remodeled in 2015. The building was named after the college’s first president, Ira Richardson. It houses- administrative offices, including the Office of the President, the Office of Student Services, Enrollment Management, Academic Affairs, and the Graduate School Office. The Admissions Office and Welcome Center are located on the first floor.

Also housed in Richardson Hall are an auditorium and the Luther Bean Museum, as well as Upward Bound, Counseling and Career Services, the Nursing Department, and the San Luis Valley Center for Clinical Excellence.

## Residence Halls

The Residences at Rex is the jewel in the crown of student housing at Adams State University, with four-bedroom apartments that feature views of two mountain ranges and the football playing field. Other residence halls vary in size, accommodation, lifestyle, and regulations. There is a living group to match each student's preference.

## History

Adams State University, founded in 1921 by the Colorado General Assembly, opened June 15, 1925. The university's namesake is long-time San Luis Valley resident William "Billy" Adams, a former state senator and Governor of Colorado who tirelessly pursued establishment of the college. Adams State carries out his vision of making quality higher education both accessible and affordable for underserved populations, such as underrepresented minority, first-generation, and low-income students.

Founded specifically to educate teachers for rural communities, the university has evolved into a comprehensive liberal arts university offering associate's, bachelor's, master's, and doctoral programs. Adams State University maintains its vital role as a leader in teacher education throughout southern and western Colorado. Throughout its history, Adams State has been crucial to enhancing the area's educational opportunity, economic development, and cultural enrichment.

## Location

Adams State University is located in Alamosa, Colorado, a city of 10,000 people. Situated in the San Luis Valley in south-central Colorado, the campus is surrounded by the breathtaking beauty of the Sangre de Cristo and San Juan mountain ranges. With peaks towering more than 14,300 feet, the mountains provide a variety of winter and summer activities and account for the brisk winter nights and sun-filled days for which the Valley is known. A sense of history and adventure unique to the Southwest creates an environment conducive to both academic and social growth. Denver is 220 miles to the north, and Albuquerque, New Mexico, is 200 miles to the south. Within a two-hour drive are five ski areas and historic towns such as Taos, Santa Fe, and Creede.

[Explore the San Luis Valley](#)

Adams State University is centrally located in the world's largest alpine valley surrounded by two mountain ranges, one that is the source of the Rio Grande. It is also home to the nation's newest national park, the Great Sand Dunes National Park and Preserve, the oldest church in Colorado, located in Conejos, and the oldest town in the state, San Luis. The history of the area is a rich blend of Hispanic and other cultures that influence life in the San Luis Valley. Outdoor recreation opportunities abound in every season. Swimming pools, horseshoe pits, indoor and outdoor tracks, weight room, and game facilities are available to students. Movie theaters, restaurants, and pubs offer entertaining nightlife.

### More information about the area

- [Alamosa Tourism Information](#)
- [Great Sand Dunes National Park](#)
- [Wolf Creek Ski Area](#)

## Academic Information

### Academic Advising

Students are expected to assume the responsibility for planning academic programs in accordance with university rules, policies, and requirements. To assist students with this planning, an advisory system has been created. It is designed to provide a synergistic relationship between students and advisors in an effort to help students make appropriate academic choices.

Each undergraduate Adams State University student is assigned an academic advisor in accordance with the proposed major listed on the student's application for admission. Undeclared majors and conditionally admitted students are advised through Academic Advising (located in Nielsen Library). Students also may request a particular faculty member for their advisor, pending availability. It is important students work closely with their advisors throughout their academic careers, especially in the freshman and sophomore years, to plan relevant course schedules. If a student wishes to change advisors or change or add a major field of study, the Academic Advising Center must be notified. Should a student choose to, the student should contact Academic Advising to complete appropriate paperwork to be assigned a different advisor for the new field of study.

Adams State University is committed to supporting student success. In that spirit, we require our undergraduate degree-seeking students be advised and obtain an advising PIN (Personal Identification Number)

from their advisors before registering each fall and spring semester. Students should make arrangements to meet with their advisors as soon as semester schedules are available online to ensure enrollment in courses needed to meet educational goals. A PIN for summer registration is not required, but students are encouraged to meet with their advisor to determine enrollment in appropriate courses.

#### [100-02-01 Academic Advising/PIN Policy](#)

For graduate students, a degree plan signed by each new student and academic advisor will be kept on file by the advisor. Cognate area courses, electives, and course substitutions must be approved by the appropriate advisor and department chair in advance and in writing. The completed degree plan with all appropriate signatures must be submitted to the Graduate School at the time of graduation. Students who take courses and ask for approval after the fact are in danger of losing those credits regardless of the source of their advisement.

#### [150-02-01 Graduate Academic Advising Policy](#)

Academic advisors and other university officials strive to prevent errors in advising and registering students. Students, however, are responsible for knowing the requirements of the desired degree programs. This information is available in the catalog. When registering, students are expected to follow the registration procedures as outlined and prescribed by the Office of Records and Registration. Students are responsible for enrollment in courses that are applicable to their degree requirements.

### **Academic Amnesty (Undergraduates)**

After three consecutive years of non-attendance at ASU, an undergraduate student may request academic amnesty for a course or courses in one or more semesters. If a student requests amnesty for a course in a given semester, all courses within that semester with a grade of IF, F, TF or D must be included in the request. The request will be reviewed after the student has completed at least one semester since being readmitted to ASU. The student must complete nine credits and earn a GPA of 2.0 for the request to be approved.

When the student's request is approved, grades of IF, F, TF and D for the courses from the prior attendance period will be excluded from the student's grade point average. However, the courses will remain on the student's official transcripts designated with a special code for academic amnesty. The courses/grades that are

included in the amnesty process will appear on student transcripts and may be used by professional programs in their admissions decisions. Students choosing to apply for academic amnesty should contact the vice president for Academic Affairs.

### **Academic Standing**

Academic progress of all degree-seeking students is monitored each semester. Satisfactory Academic Progress (SAP) requires all officially admitted degree-seeking students, enrolled in courses applicable to an eligible program of study at Adams State University, to maintain progress to degree completion. The SAP policy ensures all degree-seeking students are making progress to complete an eligible program of study through regular qualitative and quantitative monitoring of completion of degree requirements.

#### [Satisfactory Academic Progress](#)

### **ACT Credit in Advance for English**

Undergraduate students who complete the English section of the ACT with a score of 29 or higher receive three hours credit for ENG 101. Transfer students must provide evidence in the form of official test scores at the time of admission in order to receive this credit. Credit will be granted after census date of the first semester of enrollment.

#### [100-07-01 ACT/SAT Credit in Advance for English Policy](#)

### **Advanced Placement**

High school students who have performed satisfactorily in advanced college-level courses before college entrance and demonstrated a requisite achievement (minimum score of three) on tests of the Advanced Placement Program of the College Entrance Examination Board may submit the results to Adams State University for consideration of college credit. The Records Office will record the advanced placement and/or college credit based on determinations made by the appropriate department chair. The maximum credit accepted on the general exams is 18 semester hours in the areas of humanities, natural and social sciences. The semester hours of credit for each subject exam, as well as credit by examination in total, will be determined by the appropriate department chair. Credit will be granted after census date of the first semester of enrollment.

#### [100-07-02 AP Scores Policy](#)



## **Auditing Courses**

Students in good academic standing may broaden and deepen their educational experience by auditing courses. Auditing permits a student to attend a course without being required to complete exams and assignments. It is the university's intent, however, that auditing be a serious commitment on the part of the student and not disrupt the student's progress toward a degree. Careful consultation with the student's academic advisor is recommended. Physical education (activity) courses are exempt from auditing.

Music (activity) courses available for auditing purposes require the permission of the instructor. Contact the Department of Music for more information.

A student who wishes to audit a course must mark the NC (No Credit) column for the course on the appropriate registration form or NW when registering via the Web. The registration process must be completed before the end of the add/drop period. An audited course does not carry academic credit, nor does it satisfy any degree or program requirement. Regular tuition and fees will apply. Audited courses are not eligible for the COF tuition stipend or financial aid.

Graduate students may enroll in graduate level courses for no credit with instructor permission only. Regular tuition and fees are assessed and students must indicate their desire for no credit prior to registration. Classes taken for no credit are not eligible for financial aid. Each department sets requirements in addition to the Graduate School requirements. Students are responsible for completion of all degree requirements as specified in this catalog and should acquaint themselves with all requirements before beginning a degree program.

[100-05-01 Auditing Courses Policy](#)

## **Availability of Classes**

Adams State University does not offer all of the classes listed within this catalog each semester or each year. Adams State University reserves the right to withdraw from its offerings classes with insufficient enrollment during any particular semester. Other courses may be added if there is sufficient demand.

In some programs, certain courses may be offered on an alternate-year basis or as determined by demand. Mandatory advising is in place to assist our students in planning and making satisfactory progress towards obtaining their degrees.

[100-05-02 Availability of Classes Policy](#)

## **Catalog Applicability**

[100-05-04 Catalog Applicability Policy](#)

## **Baccalaureate Students**

Entering first-year students seeking the B.A., B.F.A., or B.S. degree can choose to satisfy the degree requirements listed in the catalog in effect at the time of their first semester of enrollment at Adams State or any catalog after, provided they remain continuously enrolled. Students may select to fulfill the major requirements from one catalog and general education requirements from another catalog. Students who interrupt their studies for more than two semesters (i.e., fall or spring) must satisfy the degree requirements from the catalog in effect during the semester they reenroll.

## **Associate Degree Students**

Entering first-year students seeking an A.A. or A.S. degree can choose to satisfy the degree requirements of the catalog in effect at the time of their first semester of enrollment at Adams State or any catalog after, provided they remain continuously enrolled. Students may select to fulfill the major requirements from one catalog and general education requirements from another catalog. Students who interrupt their studies for more than two semesters (i.e., fall or spring) must satisfy the degree requirements from the catalog in effect during the semester they reenroll.

## **Classification of Students**

Students are classified according to the number of semester hours of credit they have earned. Freshmen are students who have earned fewer than 30 semester hours; sophomores are those who have earned at least 30 hours but fewer than 60; juniors are those who have earned at least 60 hours but fewer than 90; seniors are those who have earned 90 hours or more.

[100-05-07 Classification of Students Policy](#)

## **Continuous Enrollment**

Entering first-year students seeking the A.A., A.S., B.A., B.F.A., or B.S. degree can choose to fulfill the graduation requirements for any year after (and including) the semester they first enrolled at Adams State University, provided they remain continuously enrolled. Students may elect to fulfill the major requirements from one catalog and the general education

requirements from another catalog. Students who interrupt their studies for more than two semesters (e.g., fall or spring) will use the requirements for the semester they return as their first semester.

## Course Load

### Undergraduate Course Load

The normal course load for undergraduate students is 15 to 17 semester hours. Undergraduate students must maintain at least 12 semester hours to be eligible for full financial aid. Academic full-time status requires enrollment for 12 semester hours during any semester. Tuition surcharges will be assessed on course loads in excess of 20 credit hours. Students desiring to take more than 20 semester hours per semester must seek permission from the department chair of their major as well as their advisor.

[Course Overload Approval Form – Undergraduates](#)

[100-05-09 Undergraduate Course Load Policy](#)

### Graduate Course Load

Full-time graduate class load is six hours or more per semester. Maximum enrollment is 15 semester hours during fall and spring semesters. Course load for the summer session is 12 hours during the regular six-week summer session and six hours during the early summer session. Summer limits are exclusive of one-day workshops. Individual departments may have different requirements for summer students. Graduate students must be enrolled in at least three semester hours to be eligible for any financial aid. Course overloads require the approval of the student's academic advisor or department chair and the vice president for Academic Affairs.

[Graduate Student Overload Approval Form](#)

## Course Numbers

Courses numbered 001 through 099 are considered basic skills courses and will not be counted toward the required hours for an Associate of Arts or Science or Bachelor of Arts, Fine Arts or Science degree. Students enrolled in basic skills courses will be assessed a surcharge. Courses numbered below 300 constitute the lower division. Courses numbered 300 through 499 constitute the upper division. Course numbering is based on a pattern that places all classes numbered 100-199 in the first year, 200-299 in the second year, 300-399 in the third year, and 400-499 in the fourth year.

Those courses numbered 500 to 799 are graduate courses. Students may take a class numbered more than one year above their class rank with special permission from the department chair and the instructor of the class. Master's level courses are numbered 500 to 699. Doctoral-level classes are designated with numbers 700 to 899.

Special course number suffixes:

- X59: selected topics courses offered for study of selected course material taught off campus
- X69: education issues courses designed for staff development and/or in-service credit with subject matter determined by school district.
- X79: special topics courses offered periodically to meet student special interest in the field
- X82: seminar courses in topics taught off campus
- X89: in-service courses designed for staff development and/or in-service credits taught off campus with subject matter determined by school district needs.
- X92: workshops or short courses offered on an intermittent basis to meet the needs of special constituents
- X99: independent study courses (taught on an independent basis through a mutual agreement between an instructor and a student) providing opportunity for individual research/study into problems of special interest in the field.

These courses may not be used to satisfy program requirements without prior approval.

[100-05-10 Undergraduate Course Number Policy](#)

[150-05-07 Graduate Course Number Policy](#)

## Credit by Examination

Adams State University will grant full course credit to students for the core courses they successfully test out of, free of tuition for those courses. Students may petition to receive academic credit for a course if, through prior experience and study, they have attained knowledge and skills that constitute the requirements of the course. Students may receive approval of their petitions if the following criteria have been met:

The student is enrolled for the course (free of tuition charges if the student tests out).

The instructor teaching the course agrees the student's experience qualifies the student to be given an opportunity to "test out" for credit.

The department chair approves the request and instructional recommendations.

Grades for course work completed by examination will be recorded by the instructor in accordance with the grading system for the class. If credit by examination is requested for a course offered by the university, but not being offered during that particular term, the student may enroll for the course under independent study. (This differs from distance education correspondence courses offered through Adams State University Extended Studies.)

[100-07-03 Credit by Examination Policy](#)

[Independent Study Authorization Form](#)

## **Credit for Military Experience**

Students who have served in the military and wish to have their experience considered for college credit need to make an appointment with the vice president for Academic Affairs during their first semester of attendance at Adams State. Appropriate paperwork, including an official military transcript, will need to be provided. The vice president for Academic Affairs will evaluate the military credit and make the decision as to how the credit will be awarded.

[100-07-04 Credit for Military Experience Policy](#)

## **Culminating Activity**

Each department requires graduate students to pass a culminating activity (comprehensive exam, thesis, etc.). Please see specific department for details.

## **Deadlines**

Please see [events.adams.edu](http://events.adams.edu) and [gradschool.adams.edu](http://gradschool.adams.edu) for important deadlines regarding applications for graduation, financial aid, comprehensive exams and others.

## **Degree Completion Time Limit**

### **Undergraduate Students**

Students are expected to complete degree requirements in a timely manner. Normally 15 to 16 credits per

semester at the undergraduate level are necessary to accomplish these expectations.

## **Graduate Students**

Graduate students are required to complete a program of study within six calendar years. Students who fail to complete the program within the six-year period may be required to meet all the conditions of the most recent version of the Adams State University academic catalog. Students enrolled in and passing fewer than six credits in a calendar year may also be required to meet all the conditions of the most recent version of the Adams State University academic catalog. Appeals should be made to the chair of the appropriate academic department.

[150-09-03 Graduate Degree Completion Timeframe](#)

## **Developmental/Remedial Courses**

The Adams State Developmental Education Program offers several courses which address skills fundamental to college success: ENG 096—College Prep Read & Writing for reading and writing skills and a three-course sequence of math: MATH 095—Pre-Algebra Skills, MATH 097—Basic Algebra Skills, and MATH 099—Intermediate Algebra, each of which is a three-hour course. However, as basic-skills courses, these hours may not be applied to a college degree.

Placement in developmental courses is determined by ACT, SAT, ACCUPLACER and alternative test scores, as well as course completion transferred in from other institutions. If enrollment in these courses is determined by test scores, the courses become necessary prerequisites of courses required for associate's and bachelor's degrees. Undergraduate students have 30 credit hours their first academic year at Adams State University to complete these courses in order to continue enrollment. Please discuss any questions you may have with your advisor.

Developmental/remedial courses at Adams State are graded on a satisfactory/unsatisfactory basis. They may not, however, be used to meet graduation requirements per CDHE and institutional policy. These courses are used to determine financial aid status and academic/athletic eligibility as earned hours for freshmen.

Colorado Department of Higher Education requires that all developmental/remedial coursework be taken within the first 30 credit hours of enrollment.

[Remediation/Developmental Placement Policies](#)

## Evaluation of Degree Requirements

Students are responsible for the fulfillment of graduation requirements. Academic advising is available to students who are undecided about their academic major. Students will need to work closely with their academic advisor after a major/minor has been declared. Some students will need more than one advisor, particularly students seeking teacher licensure.

Applications for graduation are available in the One Stop Student Services Center, department chair offices, or on the Graduation web page. Students should submit a copy of the completed application form to the office of the department chair in which their first major is located. The original should be submitted to the assistant registrar the semester before the semester in which the student plans to graduate but no later than August 31 for fall, January 31 for spring and June 1 for summer graduation (or the next business day if these dates fall on a weekend or a holiday). Students pursuing the Associate of Arts or Associate of Science degree should submit a copy of their application for graduation to Academic Advising. A late fee of \$20 will be imposed on applications received after February/September for spring/fall graduation, respectively. After review by the department chair or vice president of Academic Affairs, the copy of the application and supporting documentation will then be forwarded to the assistant registrar for final approval. All supporting documentation must be on file in the Records Office before the student will be approved for graduation.

[100-12-02 Evaluation of Degree Requirements Policy](#)

## Final Examinations

Final exams must be taken during the time scheduled in the [final exam schedule](#). Students requesting alternative exam schedules due to conflicts with evening classes should consult with their instructor(s). Students with genuine and demonstrable family crises or medical emergencies that require an alternative schedule should consult the vice president for Student Affairs.

[100-05-11 Undergraduate Final Examinations Policy](#)

[150-05-08 Graduate Final Examinations Policy](#)

## Grade Appeals

The grading of student learning is solely an instructor right and responsibility. Students are expected to read the course syllabus provided by their instructor at the start of each semester, complete each assignment, and

communicate with their instructors frequently. If a student believes his/her final grade in a course does not fairly reflect his/her performance, the student must follow this appeals process. Initially, the student should meet informally with the instructor to attempt to resolve the concern. If this informal consultation does not resolve the issue, the student should request a formal meeting with the department chair and the faculty member. In the event the disagreement is not resolved after either of these two levels of appeal, a final formal appeal may be made to the vice president for Academic Affairs (VPAA). The VPAA may request appropriate written materials from the instructor and also request that the student explain his/her reasons for the appeal in writing. The VPAA's decision is final. Only the relevant instructor, or the VPAA in extraordinary circumstances (such as the death/departure of the instructor), may alter the original grade awarded. Appeals not in process prior to thirty (30) days after the term shall have no standing, and the grade awarded shall remain in effect. Off campus students may submit a written appeal in lieu of a meeting with the department chair and VPAA.

[100-11-04 Grade Appeals Policy](#)

[150-11-04 Graduate Grade Appeals Policy](#)

## Grade Point Average Computation

The Adams State University grading system is based on a standard four-point scale, and GPA is calculated by dividing total quality points by credit hours attempted.

[100-11-03 GPA Computation Policy](#)

## Graduate Student Minimum GPA Requirement

Graduate students must maintain a cumulative grade point average of 3.0 or higher for all coursework taken in pursuit of a master's degree, initial teaching license, or endorsement. Graduate students are subject to dismissal if their cumulative GPA falls below 3.0. Students earning a grade of D or F in any course will not be able to count the course toward degree completion and must retake the course. Students earning a grade of C may be required to repeat the course depending on department requirements. All grades earned in graduate study will be included in the calculation of the cumulative grade point average. Graduate study does not permit grade forgiveness.

[150-11-07 Graduate Minimum GPA Policy](#)

## Grade Report

Students should meet with their instructors throughout the semester to discuss their academic progress. Prior to midterm, students will be notified via email of all regular session classes in which they are in jeopardy of receiving a failing grade. This is strictly an instructor obligation, and students will only be notified of those grades which instructors have provided. If a student has a question at any time regarding his/her standing in any course, the student should refer the question to the instructor or department chair directly.

Final grades will be available online as early as the Tuesday evening following the final week of courses.

## **Grading System and Quality or Honor Points**

The grading system used at Adams State is alphabetical grades. Grades are reported at the end of each term.

[100-11-05 Undergraduate GPA Grading System & Quality or Honor Points Policy](#)

[150-11-06 Graduate Grading Systems & Quality or Honor Points](#)

## **Graduate Assistantships**

A limited number of Adams State University graduate assistantships are available to students who have been admitted to master's degree programs and are enrolled full time in on-campus courses. The assistantships are competitive and include stipends and partial tuition waivers for fall and spring semesters. Graduate assistants dedicate approximately 20 hours per week to duties and responsibilities as assigned by the appropriate department chair.

Graduate assistants must maintain a graduate grade point average of 3.0 or higher, must maintain full-time student status each semester, and must perform their assistantship assignments in a satisfactory manner. Assistantships are awarded on a year-to-year basis, and students must apply each year. Graduate assistantships are awarded at the recommendation of the appropriate department chair or director and at the discretion of the assistant vice president for Graduate Studies and Institutional Planning. An assistantship may be withdrawn at the end of any semester at the discretion of the chair or director. The department chair or director supervises the activities of the graduate assistant as part of the student's educational experience. In no case will an assistantship be awarded to the same student for more than three years.

Graduate assistantships are first and foremost for the educational benefit of the student, and any benefit to the university is merely incidental. Stipends and partial tuition waivers associated with graduate assistantships are in the nature of financial aid for the purpose of meeting the student's educational objectives. Students who desire to be graduate assistants must complete a Graduate Assistantship Application and submit it to the Graduate School. Application forms are available in the Graduate School. Applying for a graduate assistantship does not guarantee a student will be granted a position.

## **Graduate Council**

It is the responsibility of the Graduate Council to review graduate curricula and policy governing graduate study and to make recommendations to the president. The council is responsible for assessment of student learning outcomes through timely program reviews. The council is composed of one faculty member selected from each department offering graduate degrees at Adams State University. The council meets monthly throughout the academic year, as scheduled by the chair.

## **Graduate Credit for Undergraduate Students**

Senior students may take courses for graduate credit if their undergraduate cumulative grade point average is at least 2.75. Graduate credit earned during this period may not be applied to the undergraduate degree. Consent of the student's advisor and department chair is required. The approval process should be initiated with the Graduate School. Students are classified undergraduate and are assessed undergraduate tuition for all courses. However, graduate-level courses are not eligible for COF, the College Opportunity Fund stipend.

Undergraduate courses, including 300- to 400-level classes, will not be accepted by Adams State University graduate programs. (updates 01/23/2020)

## **Graduation with Honors**

Baccalaureate students with a cumulative grade-point average of 3.5 to 3.74 graduate cum laude (with honors). Students with a cumulative grade-point average of 3.75 to 3.89 graduate magna cum laude (with high honors). Students with a cumulative grade-point average of 3.9 or higher graduate summa cum laude (with highest honors). Honors are determined based upon a baccalaureate student's cumulative GPA at the end of the semester prior to the semester in which the student will graduate. However, these minimum requirements must be

maintained through graduation in order to receive the honors notation on official transcripts.

#### [100-11-06 Latin Honors Policy](#)

### **Incompletes**

The grade of incomplete (IN) is a temporary mark assigned for course work of acceptable quality that students, through no fault of their own, are unable to complete. It is not given for neglected or unsatisfactory work. The student must complete all remaining course requirements as specified by the instructor no later than one year following the end of the term in which the class was attempted. If a final grade has not been assigned after the deadline, the IN will be changed to an IF. A copy of the [Incomplete Agreement form](#) should be on file with the Vice President for Academic Affairs (VPAA) Office.

#### [100-11-08 Undergraduate Incomplete Grade Policy](#)

#### [150-11-09 Graduate Incomplete Grade Policy](#)

### **Independent Study Courses**

Credit by independent study must be approved by the instructor and the department chair in writing, prior to enrollment. Forms may be obtained at the One Stop Student Services Center or [Office of the Registrar](#). The subject area to be studied will be determined by agreement between the student and instructor with the approval of the vice president for Academic Affairs. (Graduate level courses are approved through the Graduate School.) The course numbers will be 199, 299, 399, and 499 for undergraduate credit; 599 for graduate credit. These courses differ from distance education correspondence courses offered through Adams State University Extended Studies.

#### [100-02-05 Independent Study Courses Policy](#)

### **International Baccalaureate Program**

Adams State University recognizes the International Baccalaureate (IB) program and accords special consideration for students presenting IB credentials on an individual basis. To receive college credit, students who take the Higher Level IB Examination(s) must request their scores be sent to Adams State University. Upon receipt of the scores, an evaluation for credit will be performed. Students will be notified by mail of the evaluation results.

Scores of four or higher on the Higher Level IB Examination(s) will receive three or more credits for each examination (two for specific science courses). Students who have earned the International Baccalaureate Diploma and achieve a score of four or higher on all standard and higher level IB examinations will receive a minimum of 24 hours of general education credits. The area of general education and number of credits will be determined by the courses taken. Official transcripts should be sent from the International Baccalaureate Organization for evaluation.

#### [100-13-13 International Baccalaureate Recognition Policy](#)

### **Pass/Fail**

For all courses graded pass/fail, the grade of P is equivalent to the letter grade B or better. This statement applies to all courses built in the pass/fail grade mode.

#### [100-11-09 Pass/Fail Courses Policy](#)

### **Repeating Courses**

Undergraduate students may repeat courses, however, only the most recent credit hours attempted are computed in the GPA. Previously attempted courses and grades remain on the academic record but are not computed in the GPA. After repeating a course, students should submit a GPA update form to have their GPA recalculated. Forms are available at the One Stop or online at [adams.edu/onestop](http://adams.edu/onestop) and may be submitted to the One Stop Student Services Center.

The following courses may be repeated with each enrollment calculated in the GPA, up to the number of credits listed:

- ID 179 Semillas de la Tierra, 8
- MUS 210 Mariachi Ensemble, 8
- MUS 245 Band, 8
- MUS 246 Jazz Ensemble, 8
- MUS 247 Concert Choir, 8
- MUS 248 Jazz Singers, 8
- MUS 250 Orchestra, 8
- MUS 249 Chamber Ensemble, 8
- MUS 252 Music Theatre Workshop, 4

- MUS 255 Wind Ensemble, 8
- MUS 410 Mariachi Ensemble, 4
- MUS 446 Jazz Ensemble, 4
- MUS 448 Jazz Singers, 4
- MUS 449 Chamber Ensemble, 4
- MUS 455 Wind Ensemble, 4
- MUS 457 Chamber Choir, 4
- PSYC 379 Prevention Awareness Crew, 5
- SPCH courses, unlimited repeating

Students who receive approval to take courses from other institutions need to be aware the grade earned will not replace a grade earned at Adams State.

[100-11-10 Repeating Courses Policy](#)

## Satisfactory/Unsatisfactory Courses

For all courses graded satisfactory/unsatisfactory, the grade of S is equivalent to the letter grade C or better. This statement applies to all courses built in the satisfactory/unsatisfactory grade mode.

[100-11-11 Satisfactory/Unsatisfactory Courses Policy](#)

## Semester Honors

Students earning a minimum of 12 hours of graded credit in a single term with a term grade-point average of 3.5 or higher receive semester honors. Those having earned a semester GPA of 3.5 to 3.99 are included in the vice president's honor roll. Those having earned a 4.0 are included in the president's honor roll. Courses graded P, W, IN, S, U, or NC cannot be included in the 12-hour minimum.

[100-11-12 Semester Honors Policy](#)

## Semester Hours Credit

Course credit is based on units designated semester hours. In general, one credit hour represents one class period of 50 minutes per week per semester and, normally, about two hours per week of preparation outside of class by the student. Laboratory courses offer one semester hour of credit for each two or three hours of scheduled work in the laboratory during a week.

## Semester System

The university operates on a semester system, with the calendar year divided into fall, spring, and summer sessions. The summer session (see below) is integrated with the two semesters of the academic year. This arrangement makes it possible to complete the baccalaureate degree requirements through almost continuous study or arrange the normal work of two semesters in any desirable sequence.

## Student Conduct

Students are expected to conduct themselves both within and outside the university in a way that will reflect favorably on themselves and Adams State. A student may be dismissed for misconduct following the judicial process for violations of the Student Handbook. In the event of such dismissal, tuition and fees will not be refunded in whole or in part.

## Student Evaluation

The faculty reserves the right to request withdrawal from the program of any graduate students who, in the faculty's professional judgment, fail to satisfy academic requirements of the program including scholarship, academic or professional ethics, skills or characteristics, professional suitability for the programs in which they are enrolled, or engagement in misconduct. These decisions are at the discretion of the faculty and the appropriate department chair and shall be made in accordance with the general procedures for academic retention and dismissal set forth in the Graduate Student Handbook. When necessary, the academic retention and dismissal procedures within respective department handbooks will be utilized.

## Summer Session

Adams State University maintains a [summer session](#) designed for undergraduate and graduate students interested in pursuing a college education and in qualifying for degrees and licenses, thus offering students a year-round uniform academic program. Through full-time, year-round attendance, students may reduce the time of their four-year program.

## Time Limitation on Credit

Courses more than ten years old with grades of C or better will be evaluated for acceptance into an undergraduate degree by a Records Office designee.

These courses include: general education courses, their equivalents, courses specified in the statewide core transfer process or the guaranteed transfer process. Upper-level courses (300 to 499) or courses specifically related to a student's intended major with grades of C- or better will be evaluated for acceptance by the department chair in which the course is located. Credit, such as elective credit, will be evaluated for acceptance by the Records Office and/or designee of the department in which the course is located.

### [100-13-11 Transfer of Credits Over 10 Years Old](#)

## Transcript of Credits

A transcript is a comprehensive record of a student's academic progress, including transferred undergraduate credits (listed by college/university with the total credits transferred from each), credit earned by examination, and all degrees awarded by Adams State University. Official transcripts are printed on tamper-proof paper and include the Adams State University seal and the signature of the registrar. While every effort is made to ensure prompt delivery of requested transcripts, please allow 10 business days for processing the request. Under extenuating circumstances, an unofficial transcript may be faxed for a fee, paid in advance. Transcripts will not be released if the student has an outstanding debt to the university. Adams State University will not be held responsible for deadlines which are not our own.

- [Unofficial Transcripts for Degree-Seeking Students](#)
- [Official Transcript Request](#)

## Transferring Credit or Degrees

### [Graduate Transfer Policies](#)

### [Undergraduate Transfer Policies](#)

## Graduate Transfer Credit

A maximum of six semester hours of transfer credit from other accredited institutions may be used to fulfill graduate-level degree, licensure, or endorsement requirements. Students must request permission to transfer course work using the Petition to Transfer Credit Form. Students must provide official transcripts and course syllabi and obtain the advisor's signature. Students requesting transfer or substitution of prior coursework must declare so within their first semester of study. Students who take courses and ask for approval

after the fact are in danger of losing those credits regardless of the source of their advisement.

## Undergraduate Transfer Credit

Currently enrolled undergraduate students who plan to take courses at another college or university (during the summer break for example) and transfer the credits to Adams State must have the coursework approved by the department chair in the content area prior to enrolling as a transient student elsewhere. General education courses may be approved by the Records Office or its designee with the Petition to Transfer Credit Form – Undergraduate Students. Failure to receive this approval may result in the transfer courses not being accepted toward an Adams State University degree or teacher licensure program. Guaranteed transfer courses in Colorado can be viewed online at Colorado's statewide guaranteed transfer (gt) program, [gtPathways site](#).

## Transferring Credits

- Adams State will accept coursework in which grades of A, B, C, P (Pass), CR (Credit) and S were earned for transfer credit. Courses in which a grade of D was earned are not accepted for transfer unless the course is an integral part of an Associate of Arts or Associate of Science degree.
- Students with advanced placement scores of three or higher and CLEP scores in the 50th percentile or higher may receive credit upon approval by the department chair of the appropriate department. Vocational courses and courses which are listed as "no equivalent" at Adams State can be considered for credit after the student completes 24 hours of course work at Adams State with a 2.0 or higher GPA. The credit must be approved by the department chair of the student's major.
- There is no limit to the number of transfer hours accepted. However, students are required to complete a minimum number of 30 institutional hours to obtain a Bachelor of Arts or Science degree.
- Transfer students are urged to visit the campus and meet with the transfer student coordinator to ensure a smooth transition of transfer credits.
- Transfer credit more than 10 years old must be evaluated by the transfer student coordinator (if the course falls under the general education



requirements 'or equivalent') or the department chair of the area offering the course for which the credit would be issued.

- The writing assessment is an institutional graduation requirement that must be satisfied.

## Coursework Transfers

Individuals with coursework seeking admission to degree programs at Adams State University will be evaluated using Adams State's general admission policies and the transfer policy (see below). Adams State will evaluate courses in three categories:

- General education courses, their equivalents (both in state and out of state), and courses specified in the statewide core transfer process or the guaranteed transfer process with grades of C or better will be evaluated by the designee of the Records Department for acceptance.
- Upper-level courses (300 to 499) or courses specifically related to a student's intended major with grades of C or better will be evaluated for acceptance by the department chair for which the credit would be issued.
- Credits that fall outside of Categories One and Two (i.e., elective credits) will be evaluated for acceptance by the designee of the Records Department and/or the department chair for which the credit would be issued.

## Undergraduate Degree Transfers

Individuals with a B.A./B.F.A./B.S. (including degrees more than 10 years old) will have their general education courses accepted in total as meeting Adams State's general education requirements with the exception of time-sensitive courses (e.g., computer science courses, geography). Time-sensitive courses more than 10 years old will not be accepted. Individuals with an in-state A.A./A.S. degree (including degrees more than 10 years old) will have their general education courses accepted in total as meeting Adams State's general education requirements. Individuals with an out-of-state A.A./A.S. degree (including degrees more than 10 years old) will have their general education courses accepted if they have successfully completed at least one course in each of the following areas: communication (English), history, science with a lab, college-level math, art and literature, and social and behavioral science. Courses from these areas that have not been completed may be completed at Adams State. Upon completion, the entire

degree will be accepted. In addition, students must fulfill the writing assessment requirement before they may be considered complete for the purposes of degree conferral.

Individuals with an Associate of Applied Science degree or an Associate in General Education degree will have their general education courses accepted in total as meeting Adams State's general education requirements if they have successfully completed at least one course in each of the following areas: communication (English), history, science with a lab, college-level math, art and literature, and social and behavioral science. Courses from these areas that have not been completed may be completed at Adams State. Upon completion the entire degree will be accepted.

Individuals who have satisfied either track of the "common core" will have their general education courses accepted in total as meeting Adams State's general education requirements. In addition, students must fulfill the writing assessment requirement before they may be considered complete for the purposes of degree conferral.

In order to receive transfer credit from non-accredited schools, the student must complete 24 credit hours with a minimum 2.0 GPA. Credits may then be presented to the department chair over the course content area and the vice president for Academic Affairs for approval.

## Undergraduate Degree/Program Requirements

- Undergraduate students who have not completed the GT Pathways core curriculum will be required to meet all Adams State general education requirements in effect at the time of admission.
- The Bachelor of Arts, Fine Arts or Science degree is conferred upon completion of a minimum of 120 academic (non-PE) semester hours composed of general education, major requirements, and elective credits. Additionally a scholastic average of at least 2.0 must be earned in all work attempted at Adams State. A grade of D+ or lower in any course required for a major or minor will not count toward degree completion. (A 2.75 minimum GPA is required for admission to the Teacher Education Preparation Program.)
- Forty-two non-PE semester hours of the course work required for a degree at Adams State must

be upper-division (300- to 499-level) academic hours.

- Transfer students must meet the Adams State requirements in effect during the first semester of their enrollment at Adams State.
- All students must fulfill and pass the writing assessment. All students pursuing Bachelor of Arts, Fine Arts or Science degrees are required to undergo an assessment of their writing during the semester in which they will have completed 60 credit hours. Students are strongly advised to confer with the chair of their major department or program about the unit's writing assessment policy as soon as they have chosen a major. Students seeking an Associate of Arts or Associate of Science degree should visit Academic Advising. All students pursuing Bachelor of Arts, Fine Arts or Science degrees should meet with the appropriate department chair.
- Requirements for majors are listed in this catalog.
- Courses to be substituted in the Professional Education Program require teacher education department chair approval.
- A minor will not be granted until a student completes the requirements for a bachelor's degree.
- PE credits of all levels (100 to 499) may not be applied toward the total number of required credits for an associate's degree or a bachelor's degree. In relation to this, 300- to 499-level PE courses cannot be counted toward the 42 upper-level credits required for the conferring of a B.A./B.S. degree.
- Courses numbered 500 or above, or a course numbered 400 or above taken for graduate credit, will not be counted toward the completion of an undergraduate degree.
- A grade of C- (1.67 on the GPA scale) is considered passing; however, students must maintain a cumulative GPA of at least a 2.0 to be considered for graduation. Students are responsible for satisfying specific program requirements imposed by their departments such as the minimum 2.75 GPA requirement for admission into the Teacher Education Preparation Program.

## **Withdrawal from Enrollment at Adams State**

### **Undergraduate Student Withdrawal**

If an undergraduate student plans to withdraw from enrollment at Adams State, the student must initiate the complete withdrawal through the Office of Student Affairs in Richardson Hall Room 234. Failure to contact the Office of Student Affairs for complete withdrawal will result in unapproved withdrawal from all courses, forfeiture of any refund of fees for which the student may be eligible and may result in failing grades for the semester. Students who fail to officially withdraw will still be registered, continue to incur charges, and will have failing grades posted at the end of the semester. All requests to withdraw must be in writing (i.e., signature on withdrawal form, email, or fax). Any reasons for complete withdrawal after the date to be identified by the registrar as the last day to completely withdraw from all classes will require verification by the Office of Student Affairs for the student to receive a non-punitive grade of W. Students who are eligible for the COF stipend will have reduced their available COF hours upon withdrawal by the total number of eligible hours in which they were enrolled.

### **Graduate Student Withdrawal**

Prior to dropping or withdrawing from graduate coursework, individuals should consider the impact a course drop/withdrawal will have on grades, tuition & fees, and federal financial aid. Students considering dropping courses and/or withdrawing from a graduate program are encouraged to review the Graduate School's withdrawal information to make a well-informed decision. If a registered student elects to drop a course or withdraw from a program, the student must follow the proper drop/withdrawal procedure.

## **General Information & Policies**

### **Academic Calendar**

### **Academic Instructional Technology Center**

AITC offers support for faculty developing online courses, technology assistance for students and faculty using Blackboard, and campus instructional technology support. AITC can be reached by email at [asaitc@adams.edu](mailto:asaitc@adams.edu) or by phone at 719-587-7371.

## Accessibility Services

The Counseling Center manages services for students with disabilities, with assistance from Student Support Services, Nielsen Library first floor, 719-587-7632, and the Grizzly Testing & Learning Center (on the second floor of Nielsen Library), 719-587-8189. If you have, or suspect you have, a disability impacting your academic performance, you will need to provide documentation of that disability to the Office of Equal Opportunity. A qualified professional who is licensed or certified to diagnose the disability in question must supply the documentation. To present their documentation for review and to arrange for timely accommodations, newly-admitted students with disabilities are encouraged to schedule an appointment with a staff member of the Office of Equal Opportunity prior to the start of an academic semester. Academic accommodations available to students with disabilities at Adams State may include, but are not limited to, extended time testing, interpreters, note-taker services, reader services (e.g., books on tape), and tutoring services.

Counseling Center Phone: 719-587-7746

Location: Richardson Hall, 3rd Floor, Suite 100

## Bookstore

The University Bookstore, where students can purchase necessary textbooks, general reading books, supplies, gifts, soft goods, network supplies and art supplies, is located in the Student Union Building. The Bookstore is operated by Follett Bookstore Management.

Phone: 719-587-7912

## Career Services

Adams State University Career Services is here to help you navigate the career planning process. We can help you to explore your career options, create a customized career plan, identify and gain practical experience, and research and prepare for your next step after graduation. Students who use our services early in their academic careers are more likely to find jobs and internships than those who wait. We welcome All ASU undergraduates, graduate students, Alumni!

Student Success Center

Nelson Library #133

719-587-8366 [careerservices@adams.edu](mailto:careerservices@adams.edu)

Office Hours Monday – Friday, 8 a.m. – 5 p.m.

Saturday – Sunday, Closed

## Class Attendance/Tuition & Fee Payment

Students are expected to attend all class sessions. The university places the responsibilities of attendance upon the student. Tardiness and absences are dealt with by the instructor. Each student is expected to complete all course requirements regardless. Students with financial aid must attend class prior to the census date each semester or risk being dropped from the class for non-attendance.

No person shall attend Adams State University classes on a regular basis without being properly registered and without paying appropriate tuition and fees. Exceptions to this policy are made for senior citizens and current or retired Adams State faculty who may attend classes with the permission of the instructor and the vice president for Academic Affairs. The policy does not apply to designated community activities such as the community orchestra, etc. Visitors may attend class on a one-time basis with permission. See the COF section for information regarding this tuition off-set program.

## Counseling and Career Services

The Counseling Services Staff would like to extend the warmest invitation to you to please come by, or call and make an appointment, to chat. We always try to have a staff person available for your counseling, career and disability services needs.

The goal of personal counseling is to provide you with assistance in resolving the personal and relationship concerns which could impede your academic progress. Our counselors will work with you to help you decide which direct services listed below might best meet your needs, and/or make appropriate referrals to other services.

### Eligibility

We offer personal counseling services to currently registered ASU students. Continuing ASU students may be seen during the summer. Non-student spouses or partners in a committed relationship, and their children may be seen. Currently registered High School students who will be attending ASU the following semester may also be seen. Faculty and staff are provided limited services, but are first referred to the Employee Assistance Program. General Service Expectations Your first counseling appointment will usually be a 30-40 minute “intake” to assess with you what your concerns are and what services could be of help to you. If you are a student in crisis, we provide crisis intervention services 24 hours a day, seven days a week, in cooperation with

the San Luis Valley Comprehensive Mental Health Center. Crisis consultation to other campus departments, faculty/staff and parents is also available by phone. Potential services and interventions will be discussed at that time.

### Referrals

Students and faculty/staff may wish to consult with the Counseling Center staff for referrals to community practitioners and/or agencies. A student already in counseling may be given recommendations for further follow-up by their individual counselor at the end of the counseling.

Contact Us  
Counseling Services  
Richardson Hall, 3-100  
719-587-7746  
Fax: 719-587-7543

## Financial Aid

Pursuing a college degree is one of the best investments in your future that you can make. The Office of Financial Aid is here to help you review your college costs and apply for financial aid programs. Our mission is to make an outstanding ASU education affordable and the financial aid and scholarship process as simple and straightforward as possible. Each of our staff is dedicated to your success and we look forward to assisting you with your financial aid applications.

About 91% of our full-time students qualify for financial aid.

ASU Foundation offers over 100 scholarships. The average award is around \$12,000.

### Our Affordability Ranking

Guaranteed Tuition – Beginning with the fall 2016 semester, undergraduate students enrolled in on campus classes will be guaranteed no tuition increases through their fourth consecutive academic year of enrollment.

Our tuition window can save you over \$3,000 a semester. Full-time students (12 credit hours per semester) can take up to 20 credit hours for no additional cost.

## First-Year Immersion

## Graduate Studies

The Office of Graduate Studies, along with Adams State's dedicated faculty and staff, works to ensure access and opportunity for graduate study throughout Colorado and the United States. Our programs are recognized for their academic excellence and diverse delivery methods.

We deliver our programs to suit your needs

- Full or part-time
- On-campus or online
- Support for your academic success with our Graduate Student Success Center

The Office of Graduate Studies serves our constituents by

- Admitting students to the graduate programs
- Working with graduate students from inquiry to graduation
- Offering graduate student support services
- Advocating for graduate programs and students

### General Resources

- [Apply for Graduation](#)
- [Catalog](#)
- [Cost/Tuition 2018-2019 \(PDF\)](#)
- [Cost/Tuition 2019-2020 \(PDF\)](#)
- [Financial Aid](#)
- [Scholarships](#)
- [Important Deadlines](#)
- [FAQs](#)
- [Course Description Request](#)
- [Drops & Withdrawals](#)
- [Helpful Links](#)

### Academic Resources

- [Blackboard](#)
- [NetTutor](#)
- [Writing Guides](#)

### Administration

- [Graduate Council](#)
- [Policies](#)

Contact Us

Office of Graduate Studies  
Adams State University  
208 Edgemont Blvd, Suite 2300  
Alamosa, CO 81101

Monday – Friday, 8 a.m. – 5 p.m. MST

graduatestudies@adams.edu  
719-587-8152  
866-407-0013  
Fax: 719-587-8222

## **International Student Assistance**

International applicants may be admitted to the university if they have completed secondary education with college preparatory curriculum, fulfilled the minimum grade point equivalency, provided required official academic records, met the appropriate deadlines, and verified financial support for one academic year.

Who is an International Student?

ASU defines an international student as a student in non-immigrant status who is not a U.S. citizen or does not have approved and finalized U.S. permanent residence, refugee status or political asylum.

International Student Checklist

Semester Checklist

At the start of every Fall and Spring semesters, it is mandatory that Adams State University (ASU) international students check in with an approved Principal Designated School Official (PDSO) or Designated School Official (DSO). Below are items that are needed for check in:

First Time Students

Valid Passport

Visa

Proof of Health Insurance/Verification Form

I-94

Current United States Address and Phone Number

Original I-20

Receipt of \$200 I-901 Fee Payment

Returning Students

Valid Passport

Visa

Proof of Health Insurance/Verification Form

I-94 (if traveled outside United States since last check in)

Current Address and Phone Number

Forms

If a student has decided to transfer into Adams State University, the following form must be completed and submitted before any documentation from an Adams State PDSO/DSO can be provided.

[SEVIS Transfer Request Form \(PDF\)](#)

The health verification form is required for each semester check in and is intended to provide the guidelines of minimum requirements and must be accompanied by an insurance card and relative insurance information.

[Health Insurance Verification Form \(PDF\)](#)

If you plan on working on campus, please contact an Adams State PDSO/DSO as soon as possible prior to starting any job.

When will I receive my I-20?

An international student will receive his/her I-20 via FedEx following the completion of the admissions process and after formal acceptance to Adams State University.

If you have questions regarding your I-20, you should direct those questions to Designated School Official: Uriah Valdez, [ulvaldez@adams.edu](mailto:ulvaldez@adams.edu)

Resources

[SEVIS Information](#)

[Visa Information](#)

[Study in the States](#)

[I-94 FAQ Sheet](#)

[I-901 SEVIS Fee Payment Tutorial](#)

[U.S. Embassies, Consulates, and Diplomatic Missions](#)

## Mathematics Help Lab

The Mathematics Help Lab is located in Porter Hall, Room 245. ASU students needing help in any mathematics class through Calculus II are encouraged to visit the Mathematics Help Lab for free tutoring. Students should not expect the tutors to simply work homework problems for them. The schedule of lab tutoring hours is available online.

## Nondiscrimination Notice

Adams State University prohibits and will not tolerate discrimination or retaliation that violates federal and state law or the university's discrimination policies. The university does not discriminate on the basis of race, age, color, religion, national origin, gender, sexual orientation, sex (including sexual harassment), veteran status, or disability. The university complies with Titles VI and VII of the Civil Rights Act of 1964, the Civil Rights Act of 1991, the Education Amendments of 1972 (Title IX), the Age Discrimination in Employment Act of 1973, the Americans with Disabilities Act, Executive Order 11246, C.R.S. § 24-34-301 et seq., and § 504 of the Rehabilitation Act of 1973.

## One Stop Student Services Center

The One Stop Student Services Center serves as a student center for the offices of registration and records, student business services, and financial aid. Based on Adams State's belief in the value of the individual, its mission is to deliver unparalleled student customer service. Your One Stop Student Services Center will provide quality, professional and courteous assistance in support of your academic and educational financing objectives. One Stop counselors are knowledgeable in enrollment, financial aid, billing and payments or can help you with general information or concerns about the business aspect of being a student.

Location: ASU Student Union Building

Phone: 719-587-7306

Toll-free: 1-866-344-1687

Fax: 719-587-7366

E-mail: [onestop@adams.edu](mailto:onestop@adams.edu)

Web: [www.adams.edu/onestop](http://www.adams.edu/onestop)

## Orientation for New Students

New student orientation is designed to facilitate the transition of new students into the university, prepare

new students for the educational opportunities available at Adams State and initiate the integration of new students into the intellectual, cultural, and social climate of Adams State University. This program reinforces new students' decision to attend Adams State University. Orientation for new students, which includes transfer, non-traditional and commuter students begins the week before classes and continues through the first week of classes. For more information, please contact Student Life at 719-587-8191 or visit the website here.

## Photo and Videotape Policy

Adams State University often takes or commissions photos and videotapes of students, faculty and staff, and campus visitors. These images are taken in classrooms and labs, in the library and other study areas, at college events, and elsewhere around campus. Likewise, the Adams State Athletic Department photographs and records athletic events, athletes, and spectators. Adams State University reserves the right to use these photographs/video clips as a part of its publicity and marketing efforts. Students who enroll at Adams State do so with the understanding these photographs might include them and be used in publications, both printed and electronic, and for publicity.

## Police Department and Parking Services

The Adams State University Police Department is the primary law enforcement provider for the college community. ASU PD police officers are fully academy trained and state certified peace officers with powers of arrest on and off campus. The department also employs civilians and student workers in clerical, parking management, student escort and building security patrol positions. The department works closely with other law enforcement agencies including Colorado State Patrol, the Alamosa Police Department, Alamosa County Sheriff's Office, and federal law enforcement agencies. The department provides crime prevention services and information to the Adams State University community. The Police Department assists other college services in emergency planning and safety inspections to maintain a safe campus environment. Police and emergency services are available 24 hours daily, year-round.

ASU Police Department

Location: #1 Petteys Hall

Police Department Dispatch: 719-589-5807 (24 hours per day)

Non-emergency phone: 719-587-7901 (business hours)

**EMERGENCY: 911**

## Refunds of Student Credit Balances

BankMobile Disbursements is our partner to deliver refunds of credit balances on student accounts and pay student employment (work study) earnings. A credit balance may come from payment of financial aid (grants, scholarships or loans) credited to a student's account, overpayment of charges, or adjustments for tuition, fees, or housing.

If a student opts out of using BankMobile Vibe, a paper check will be issued from Adams State University. Contact Student Business Services to Opt Out.

### New Students

- A green envelope from BankMobile containing your Refund Selection Kit will be mailed to you.
- Go to RefundSelection.com.
- Enter your unique Personal Code from the green envelope.
- Create your login information.
- Select how you would like to receive your money.
- Complete your profile.

### Financial Aid Disbursement

Financial aid funds disbursed to a student's account are first credited to the student's educational expenses. Once education expenses are paid in full and if a credit balance remains, the credit balance is refundable to the student. Refunds are processed within 14 business days of when the credit balance was created.

Some financial aid requirements are as follows:

- the student's first class has started
- the student is registered for the number of credit hours for which aid is awarded
- the student is taking classes for credit. Classes taken as "no credit" are not aid eligible
- classes taken apply to the student's program of study

## Student Bill of Rights (Undergraduates)

The General Assembly of Colorado hereby finds that students enrolled in public institutions of higher education shall have the following rights:

1. 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;

2. 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;

3. students have a right to clear and concise information concerning which courses must be completed successfully to complete their degrees;

4. students have a right to know which courses are transferable among the state public two-year and four-year institutions of higher education;

5. students, upon completion of core general education courses, regardless of the delivery method, should have those courses satisfy the core course requirements of all Colorado public institutions of higher education;

6. students have a right to know if courses from one or more public higher education institutions satisfy the students' degree requirements; 7. 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 transferrable. (C.R.S. §23-1-125)

## Student Conduct

Students are expected to conduct themselves both within and outside the university in a way that will reflect favorably on themselves and Adams State. A student may be dismissed for misconduct following the judicial process for violations of the Student Handbook.

In the event of such dismissal, tuition and fees will not be refunded in whole or in part.

## Student Support Services

### Student Support Services

Student Support Services (SSS) provides services to first generation, low-income students and students with disabilities at Adams State University. Services for qualified students include tutoring, mentoring, academic and life skills workshops, supplemental financial aid for those who qualify, and educational field trips.

The purpose of SSS is twofold: to increase retention and graduation rates of eligible students and to foster an institutional climate supportive of first-generation, low income students and students with disabilities. Because the program is federally funded, all services are free to qualified students.

Students who have recently graduated from high school, have already been accepted into Adams State University, and are planning to attend Adams State for the fall semester are eligible to apply for SSS Summer Scholars Program. Students live on campus for three weeks and are enrolled in a three-credit English class. They also receive credit for the Academic Achievement Strategies course and one credit for a math strategies course. Call 719-587-7632 for more information.

## Tuition and Fees

The Board of Trustees for Adams State University, the governing entity, reserves the right without notice to alter tuition and fee charges prior to the first day of any semester. Tuition and fees are posted annually on Adams State University's website.

## Tutoring

The Grizzly Testing and Learning Center provides coordination of academic tutoring services. Services are provided on a first-come, first-serve basis and are free of charge. Tutoring is provided by trained peers in a group setting. In addition, the Grizzly Testing and Learning Center coordinates note-takers and test-readers for students with accommodations under ADA. It also serves as an alternative test site and a placement testing site. The Grizzly Testing and Learning Center is located on the second floor of Nielsen Library. For more information, please contact us at 719-587-8189 or [testingcenter@adams.edu](mailto:testingcenter@adams.edu).

## Veterans

ASU Veteran's Center The university is authorized by the Colorado State Approving Agency for Veterans Education in accordance with federal law to educate students receiving benefits through the Veterans Administration. For more information regarding veterans' benefits, visit the Adams State University veterans' clerk in Petteys Hall Suite 2 or call 719-587-8452 to schedule an appointment.

## Writing Studio

The Writing Studio supports student learning and faculty and staff in their development as writers and as educators. Skilled peer tutors provide help to students with every part of the writing process, from generating ideas about assignments to final editing. They offer assistance for every kind of writing in each discipline, ranging from freshman composition papers, biology papers or poetry, to graduate portfolios. The Writing Studio furnishes an extensive collection of books and

handouts relating to the writing process, and it has computers available for student use. Tutors are in the Writing Studio free of charge to help students learn to proof and perfect their own work and to help faculty and staff with their writing and course needs. The Writing Studio is located in MCD 220. Phone: 719-587-7898.

## Admissions

Adams State University welcomes applications from individuals interested in a personalized, high-quality postsecondary education. The admissions process is designed to support the role and mission of Adams State University, valuing opportunity and access for students of all backgrounds.

## Admission Requirements

### Undergraduate Admissions

### Undergraduate Admission Requirements

The Office of Admissions for undergraduates operates on a rolling admissions basis; however, applicants are strongly encouraged to apply prior to August 1 for the fall semester, December 1 for the spring semester, or May 1 for the summer session. Application materials should be submitted to the Office of Admissions, Adams State University, 208 Edgemont Boulevard Suite 2190, Alamosa, CO 81101. More information is available through the Office of Admissions at 719-587-8146 or 800-824-6494 or via e-mail at [admissions@adams.edu](mailto:admissions@adams.edu).

### First-time Freshmen

Students may apply for admission any time after the completion of their junior year in high school. In order to be considered for admission to Adams State University, prospective first-time students must submit the following documents:

1. A completed application for admission — students may apply online at [adams.edu](http://adams.edu)
2. A \$30 non-refundable application fee.
3. Official high school transcripts.\*
4. Official ACT or SAT scores\*\* (Note: Adams State does not require the writing portion of either the ACT or SAT).

\*All transcripts must arrive at Adams State in an unopened envelope from the sending institution printed within the last 6 months to be considered official.



\*\*All ACT/SAT scores must arrive at Adams State either on an official high school transcript or directly from ACT or College Board.

Mail Transcripts and ACT/SAT scores to:

Adams State University  
Office of Admissions, Suite 2190  
208 Edgemont Blvd.  
Alamosa, CO 81101

Strong candidates for admission into the baccalaureate program will be admitted unconditionally based off of the Institutional Mid-50% ranges. High school GPA range of admitted students: 2.70 – 3.60 (4.0 scale) *includes weighted GPA*. Mid-50% ACT range of admitted students: 17 – 22 (composite score). Mid-50% SAT range of admitted students: 950 – 1120 (taken March 2016 and after, includes Evidenced Based Reading and Writing, Math).

Applicants graduating from high school in 2010 or later, must also have completed the Colorado Higher Education Admissions Requirements (HEAR) during high school:

- Four units of English.
- Four units of mathematics (Algebra I and higher).
- Three units of natural/physical science (two lab-based units).
- Three units of social science (at least one unit of U.S. or world history).
- One unit of a single foreign language.
- Two units of academic electives.

Applicants who fall below the Mid-50% ranges and/or who have not completed the HEAR coursework will be considered for conditional admission into the baccalaureate program or for admission into the associate program. Applicants in this situation are strongly encouraged to submit a personal statement and/or letter(s) of recommendation. NOTE: Adams State University's role and mission enables the college to admit any qualified student who graduates from a San Luis Valley high school.

### **Home School Students**

First-time students who have completed their secondary education through alternative options such as home schooling should submit documentation of their work

(e.g. transcript, portfolio, etc.) in lieu of high school transcripts above.

### **General Educational Development (GED) Students**

First-time students who have completed the GED should submit an official GED score report in lieu of high school transcripts above. Students receiving a score of 150 or above in each content area on the 2014 GED (450 or greater on the 2002 version, or 45 or greater on the 1988 version) will be eligible for admission. This route to admission is not to be used by students with a diploma.

### **Non-Traditional Students**

Applicants who are 23 years of age or older when applying for admission are not required to submit ACT or SAT test scores. Students who do not complete the ACT or SAT will be required to take a placement exam prior to registration in math and English courses.

### **Transfer Students**

To be considered for admission to Adams State University, prospective transfer students must submit the following documents:

1. A completed application for admission (students may apply online at [adams.edu](http://adams.edu))
2. A \$30 non-refundable application fee.
3. Official transcripts from **ALL** colleges attended.
4. Official high school transcripts and official ACT or SAT scores are required of transfer students with 24 or fewer transferable credits.

Transfer students with 25 or more transferable credits and a cumulative college grade point average of 2.50 or better will be considered for admission into the baccalaureate degree program.

Transfer students with a cumulative grade point average below 2.50 will be considered on an individual basis and are strongly encouraged to submit a personal statement and letter(s) of recommendation.

Transfer students with less than 25 transferable credits will be considered for admission based on prior transfer work, as well as first-time freshman admissions requirements.

### **Returning Students**

Any student who has previously attended Adams State University and has been out for at least three semesters (including summer term) must apply for readmission by

completing an application for readmission. Students may apply for readmission in the Office of Admissions or online at adams.edu. Official transcripts from all colleges attended since last attending Adams State University must be submitted to the Office of Admissions prior to being readmitted.

### **Non-Degree Seeking Students**

Students who do not wish to pursue a degree at Adams State University may apply as non-degree seeking students. Non-degree seeking students must submit an avocational application/registration form to the Office of Admissions. Avocational (non-degree seeking) students are not formally admitted to Adams State University and are not guaranteed admission should they submit a formal degree-seeking application at a later date. Avocational students are not eligible for financial aid or scholarships.

### **High School Concurrent Students**

Qualified high school students may be eligible to register for courses on campus at Adams State University. To be eligible for the concurrent enrollment program, students must be approved by their high school and meet all pre-requisites, including minimum placement testing requirements, for each course they choose to take. Students choosing to take advantage of this program should contact the Office of Extended Studies, Renae Haslett rhaslett@adams.edu.

### **International Students**

Adams State University welcomes international students. All international students who desire to enter the university must comply with all provisions of the Immigration and Nationality Act. A complete set of credentials, including verification of financial support, must be sent to the Office of Admissions with a formal application for admission and a \$30 non-refundable application fee in U.S. dollars (credit card, bank draft on U.S. bank, or money order). All information must be in English. The college must have proof of English proficiency. This can be satisfied with a minimum score of 550 (paper-based), 213 (computer-based) or 79 (internet-based) on the TOEFL exam or successful completion of level 109 in an ESL program.

International students should request to have submitted directly to Adams State University official transcripts which have been evaluated by Educational Credential Evaluators (preferred), World Education Services or Foundation for International Services, Inc., to determine US equivalencies for grades, credit hours and institutional accreditation. Payment for evaluation is strictly the student's responsibility. Only post-secondary

level coursework deemed to have a US equivalency will be accepted in transfer.

College- or university-level work completed outside the United States will be accepted for transfer, only if the college or university is accredited by one of the U.S. regional accrediting associations. Other collegiate-level work is acceptable only on the basis of credit by examination. This examination will be conducted by the department chair most closely associated with the academic classes in which the student might wish to transfer. Each department chair will decide whether a written, oral, or credit review of the transcript will be necessary to establish credit.

Credit for coursework from non-accredited schools may be given after completion of 24 credit hours and maintenance of a 2.0 or above cumulative grade point average. After students have earned 24 credit hours, they should petition the department chair over their major area as well as the vice president for Academic Affairs for approval of this transfer credit.

### **Graduate Admissions**

#### **Graduate Admission Requirements**

While there are common requirements for acceptance to the Graduate School, each department has unique admission criteria. The admission criteria for each degree are listed in this catalog with each degree plan. Those wishing to apply to any of the master's degree programs at Adams State must hold a baccalaureate degree from an accredited institution. The following are the common criteria:

- A completed application for admission to the Graduate School
- \$30 non-refundable application fee
- Official transcript(s) from all colleges attended. Official transcript(s) from all higher education institutions must be sent directly from the institution to the Graduate School at Adams State University verifying receipt of the baccalaureate degree and all other higher education coursework. International transcripts must be translated and evaluated (even those that are in English) by an organization such as World Education Services or the American Association of Collegiate Registrars and Admissions Officers. No credits will be accepted from non-regionally accredited institutions. Failure to report any previous academic work at another college or university is considered a violation of academic integrity. Transcripts from ASU need

not be requested; however, official transcripts confirming transfer credits are required.

Unofficial transcripts or transcripts “issued to student” will not be accepted.

- Two letters of recommendation (see each department for specific type of letter)
- In general, departments require a 2.75 GPA in the most recent 30 hours of coursework. Teacher Education, History/Humanities, and Human Performance and Physical Education Departments require a 3.0 GPA in the most recent 30 hours of course work. Individual departments may have additional requirements.

## **Admission Classification**

### **Graduate Student**

This classification applies to a student who has been officially admitted to a master’s degree, licensure, or endorsement program. A student may be admitted conditionally or unconditionally.

### **Graduate-Special Student**

This classification is intended primarily for students who desire course credit only and do not wish to pursue a new degree, license, or endorsement. It also applies to students who have applied for admission to a graduate program but have not yet been accepted. Twelve (12) semester hours is the maximum number of credits that will count toward a degree when taken by a student in graduate-special (non-degree-seeking) status. Any coursework above the 12-credit-hour limit will not count toward degree requirements. A student with the status of Graduate Special is not eligible for financial aid or loan deferment.

### **International Students – Graduate Level**

Adams State University welcomes international students. All international students who desire to enter the university must comply with all provisions of the Immigration Act. A complete set of credentials for students planning to reside in the U.S. and verification of financial support must be sent to the Graduate School with a formal application for admission and a \$30 nonrefundable application fee in U.S. dollars (credit card, check or money order). All information must be in English. The university must have proof of English proficiency. A minimum score of 550 (paper-based), 213 (computer-based), or 79 (Internet-based) on the Test of English as a Foreign Language (TOEFL) exam is considered acceptable. A score of 7.0 on the International English Language Testing System (IELTS)

is acceptable. If a student attends an ESL program, successful completion of level 109 is considered acceptable.

The equivalent of a bachelor’s degree must be earned to enter a graduate program at Adams State University. Please request an official transcript be sent directly from your school(s) to the Graduate School at Adams State. All information must be in English. International students are responsible for having their foreign official transcripts (secondary and/or post-secondary) evaluated by Educational Credential Evaluators, World Education Services, or Foundation for International Services, Inc. to determine what U.S. equivalencies exist for grades, credit hours and accreditation. Official results should be sent directly to Adams State University from one of the three services. Payment for this service is the responsibility of the student. Only college or university-level work certified to have U.S. accreditation equivalency by these organizations will be accepted directly in transfer.

#### [Educational Credential Evaluators](#)

ECE PO Box 514070

Milwaukee, WI 53203-3470

414-289-3400

#### [World Educational Services, Inc.](#)

PO Box 5087

Bowling Green Station

New York, NY 10274-5087

212-966-6311

Fax: 1-212-739-6100

[info@wes.org](mailto:info@wes.org)

#### [Foundation for International Services, Inc.](#)

505 5th Avenue South, Suite 101

Edmonds, WA 98020

425-248-2255

[info@fis-web.com](mailto:info@fis-web.com)

# Academic Programs

## Degree Requirements

### Degree Requirements (Undergraduate)

Undergraduate students must complete specific degree requirements and general education coursework to obtain an associate's or bachelor's degree. Requirements for each major are available in the Academic Programs section.

- [Associate of Arts Degree Requirements](#)
- [Associate of Science Degree Requirements](#)
- [Bachelor's Degree Requirements](#)
- [Gen Ed Requirements \(Undergraduates\)](#)

### Associate's Degree Requirements

Adams State University offers courses of study preparing students for entry-level positions in a variety of occupations. The A.A./A.S. degrees at Adams State require completion of the university's general education requirements and a minimum of 60 credit hours; 15 of those 60 credit hours can be in a concentration approved by the vice president for Academic Affairs.

Concentrations available:

- Associate of Science
  - General Business
  - Geographic Information Systems
- Associate of Arts
  - Art (Studio)
  - Criminal Justice Administration (distance delivery only)
  - Early Childhood Education
  - Elementary Education
  - Emergency Management (distance delivery only)
  - General business
  - Social Studies
  - Theatre

Interested students should consult with an academic advisor. Other concentrations may be available.

### Bachelor's Degree Requirements

The Bachelor of Arts, Fine Arts and Science degrees are conferred upon completion of:

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

Students earning a degree with a double major where one major is in the bachelor of arts, fine arts, or science degree area and the other major is another bachelor's degree area must select the type of diploma they wish to be granted. Either a bachelor of arts (B.A.), bachelor of fine arts (B.F.A.) or bachelor of science (B.S.) degree shall be granted as only the requirements for one degree (120 academic hours) will have been met.

### Writing Proficiency

Proficiency in the use of standard written English is required of all students at Adams State University. Students may not pursue enrollment in upper division courses (300-400 level) beyond second semester junior status (75 credit hours) unless the General Education Writing Requirement has been satisfied.

### Writing Proficiency Requirement

Normally, students will satisfy the writing requirement by successfully completing ENG 101 and 102 and by passing a Writing Assessment of their written work at the end of their sophomore year through their major department (see below). Other ways of satisfying parts of this requirement are as follows:

1. earn a score of 29 or above on the English section of the ACT

2. earn a score of 660 or above on the verbal section of the SAT
3. earn a score of 4 or better on the Advanced Placement Exam (AP) in English Language/Composition or
4. earn a score of 4 or above on the Higher Level IB (International Baccalaureate) examination. Students who achieve the required score will receive 3 hours of credit for ENG 101— Communication Arts I.

## **Writing Assessment**

All students pursuing associate or bachelor's degrees will be required to undergo an assessment of their writing during the semester in which they will have completed 60 semester hours of credit (typically, at the end of the sophomore year). Individual departments or programs may set their own requirements for evaluating their majors' writing abilities and achievements. Students are strongly advised to confer with the chair of their major department or program about the unit's writing assessment policy as soon as they have chosen a major. All students are advised to keep a file of their returned and graded written assignments (e.g., papers, essay examinations, reports, etc.) in preparation for this assessment. Students unable to show evidence of writing proficiency might be required to take additional writing instruction.

## **General Education Requirements**

### [General Education Requirements](#)

Adams State University has prescribed a program of general education for all students seeking associate or baccalaureate degrees. This is done in the belief that our graduates must possess college level skills, competencies, and an acquaintance with major areas of knowledge commonly possessed by educated persons in a free society. Students pursue the general education program goals through a range of formal and informal activities including, but not limited to, the successful completion of the general education curriculum and the academic major.

# Art

The Art Department at Adams State University invites you to come be a part of a multidisciplinary, multicultural, creative community. Our department educates and mentors students to persist in a contemporary career landscape that prioritizes creative thinking and making. Students take a central role in creating our cultural center for multi-sensory, visual arts programming on campus and for Southern Colorado and Northern New Mexico. Our faculty work one-on-one with students to develop and nurture your creative potential, prepare you for a variety of professional paths, and instill a lifelong appreciation for the arts.

The curriculum is designed to prepare students for careers as professional artists, designers, and art educators. All students taking art classes, both majors and non-majors, are challenged to think and solve problems creatively, to develop their ability to communicate through visual, oral and written languages, and to understand the role of the visual arts in multiple cultures and its relationship to past and present theory. A major in art may also be attractive to students who do not know precisely which career they wish to pursue after graduation. A well-rounded liberal arts program provides many opportunities for students able to benefit from a small department devoted to the development of the individual and to academic excellence.

More information about the art programs, facilities, faculty and the Art Department galleries is available on the [Art Department Page](#).

## Department Faculty

### Chairperson

- Dana Provence, M.F.A.

### Professors

- Dana Provence, M.F.A.
- Eugene Schilling, M.F.A.

### Assistant Professors

- Leslie Macklin, M.F.A.
- Bill Tite, M.F.A.

### Instructors

- Kristian Gosar
- Robin Wolfe, M.A.
- Madeleine Ahlborn

## Bachelor of Arts in Art Education, K-12

Choose this degree if your goal is to specifically teach art in a K-12 classroom. As an Art Education major, you will spend time developing your personal artistic skills. However, you will also engage in educational theories, explore teaching methods, and participate in field experiences that are all required for teaching certification. Art Education majors have an advisor in both the Art and Education departments.

### Degree Requirements

**The BA Art Education degree requires completion of 121 credits including:**

- General Education – 38 Credits
- Art Requirements – 51-54 Credits
- Education Requirements – 29 Credits
- Upper division credits (300-400 level) – 42, can come from major courses or electives

### General Education Requirements

See [General Education Degree Plan](#)

### Major Requirements

#### A. Art Requirements (51-54 Credits)

- AR 105: Introduction to Art Criticism (3 hours)
- AR 206: Studio One (3 hours)
- AR 207: Studio Two (3 hours)
- AR 208: Drawing (3 hours)
- AR 216: Introduction to Art Education (3 hours)
- AR 220: Painting (3 hours)
- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 260: Beginning Printmaking I (3 hours) **OR**
- AR 261: Beginning Printmaking II (3 hours)
- AR 280: Beginning B&W Photography (3 hours) **OR**
- AR 281: Beginning Digital Photography (3 hours)
- AR 334: Elementary School Art Education Methods (3 hours)
- AR 335: Secondary School Art Education Methods (3 hours)
- AR 364: History of Art (3 hours)
- AR 365: History of Art (3 hours)

#### B. PLUS 3 HOURS FROM THE FOLLOWING:

- AR 202: InDesign (3 hours)
- AR 306: Illustrator (3 hours)

- AR 310: Photoshop (3 hours)

### C. EMPHASIS AREA

Complete a 9 hour area of emphasis in one of the following areas: Art History, Drawing, Painting, Photography, Printmaking, Form and Extended Media (these 9 hours will include classes from the above areas, to add a minimum of 3 hours or a maximum of 6 hours depending on the chosen emphasis).

### D. EDUCATION REQUIREMENTS (29 credits)

- ED 200: Perspectives in Teaching/Learning (3 hours)
- ED 220: The Exceptional Learner (3 hours)
- ED 416: SEC/K-12 Classroom Instruct/MGMT (2 hours)
- ED 426: SEC/K-12 ED Practice/Assessment (2 hours)
- ED 429: Content Area Literacy (2 hours)
- ED 436: Field Experience Lab SEC/K-12 (3 hours)
- ED 455: Student Teaching K-12 (15 hours)

## Bachelor of Arts in Liberal Arts, Studio

### Art

This degree offers you the opportunity to explore several different mediums and discipline areas that will challenge your creative thinking and problem-solving skills. Our program prepares you for a wide variety of creative career tracks which can be complemented by a minor in Theatre or another field.

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400- level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Major Requirements

### A. Required Studio Core (18 Credits):

- AR 206: Studio I (3 hours)
- AR 207: Studio II (3 hours)
- AR 208: Drawing (3 hours)
- AR 209: Beginning Drawing II (3 hours)
- AR 281: Beginning Digital Photography (3 hours)
- AR 498: Professional Practice (3 hours)

### B. Required Art History & Theory Core (12 Credits)

- AR 105: Introduction to Art Criticism (3 hours)
- AR 305: Art Theory (3 hours) FALL ONLY
- AR 364: History of Art (3 hours)
- AR 365: History of Art (3 hours)

### C. Plus 6 hours from the following (2D Electives):

- AR 220: Painting (3 hours)
- AR 260: Beginning Printmaking I (3 hours) OR
- AR 261: Beginning Printmaking II (3 hours)
- AR 280: Beginning B&W Photography (3 hours)

### D. Plus 6 hours from the following (Forms and Extended Media Electives):

- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 3XX: 3D Material Studies Rotator (3 hours)

### E. Plus 3 hours from the following:

- AR 202: InDesign (3 hours)
- AR 306: Illustrator (3 hours)
- AR 310: Photoshop (3 hours)

### F. Complete one or more 12-hour area of emphasis in one of the following areas:

- Art History
- Drawing
- Painting
- Graphic Design
- Photography
- Form and Extended Media

Additional hours in the major are to be selected in consultation with their advisor.

Completion of departmental assessment procedures.

Students may be excused from basic studio courses on the merit of a portfolio (art studio) by the department chair.

## Bachelor of Fine Arts in Graphic Design

### Degree Requirements

**The BFA degree requires completion of 120 credits including:**

- General Education – 38 Credits
- Majors Requirements – 72 Credits
- Electives – 10 Credits
- Upper Division Credits, 300-400 level – 42 Credits (can come from major course or electives)

**General Education Requirements**

See [General Education Degree Plan](#)

**Major Requirements**

A. Required Studio Core (18 Credits):

- AR 206: Studio I (3 hours)
- AR 207: Studio II (3 hours)
- AR 208: Drawing (3 hours)
- AR 209: Beginning Drawing II (3 hours)
- AR 281: Beginning Digital Photography (3 hours)
- AR 498: Professional Practice (3 hours)

B. Required Art History & Theory Core (18 Credits):

- AR 105: Introduction to Art Criticism (3 hours)
- AR 305: Art Theory (3 hours)
- AR 405: Seminar in Art (3 hours)
- AR 364: History of Art I (3 hours)
- AR 365: History of Art II (3 hours)

PLUS 3 HOURS FROM:

- AR 367: Women Artists in Art History (3 hours)
- AR 368: Performance Art (3 hours)

C. Plus 3 hours from the following (2D Electives):

- AR 220: Painting (3 hours)
- AR 260: Beginning Printmaking I (3 hours)
- AR 261: Beginning Printmaking II (3 hours)
- AR 280: Beginning B&W Photography (3 hours)

D. Plus 3 hours from the following (3D Electives):

- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 3XX: 3D Rotator (3 hours)

E. Plus 3 Hours from Area C. or D.

F. Graphic Design Major Requirements (27 Credits):  
15 Credits from:

- AR 202: InDesign (3 hours)
- AR 301: Typography (3 hours)
- AR 306: Illustrator (3 hours)
- AR 310: Photoshop (3 hours)

- AR 312: Design for the Internet (3 hours)
- AR 401: Advanced Graphic Design (3 hours)

AND

- AR 381: Intermediate Digital Photography (3 hours)
- ART Studio Elective (3 hours)
- AR 497: BFA Exhibitions (6 hours)

ELECTIVE CREDITS (10 Credits)

**Bachelor of Fine Arts in Photography**

**Degree Requirements**

**The BFA degree requires completion of 120 credits including:**

- General Education – 38 Credits
- Majors Requirements – 72 Credits
- Electives – 10 Credits
- Upper Division Credits, 300-400 level – 42 Credits (can come from major course or electives)

**General Education Requirements**

See [General Education Degree Plan](#)

**Major Requirements**

A. Required Studio Core (18 Credits):

- AR 206: Studio I (3 hours)
- AR 207: Studio II (3 hours)
- AR 208: Drawing (3 hours)
- AR 209: Beginning Drawing II (3 hours)
- AR 281: Beginning Digital Photography (3 hours)
- AR 498: Professional Practice (3 hours)

B. Required Art History & Theory Core (18 Credits):

- AR 105: Introduction to Art Criticism (3 hours)
- AR 305: Art Theory (3 hours)
- AR 405: Seminar in Art (3 hours)
- AR 364: History of Art I (3 hours)
- AR 365: History of Art II (3 hours)

PLUS 3 HOURS FROM:

- AR 367: Women Artists in Art History (3 hours)
- AR 368: Performance Art (3 hours)

C. Plus 3 hours from the following (2D Electives):

- AR 220: Painting (3 hours)
- AR 260: Beginning Printmaking I (3 hours)
- AR 261: Beginning Printmaking II (3 hours)

D. Plus 3 hours from the following (3D Electives):

- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 3XX: 3D Rotator (3 hours)

E. Plus 3 Hours from Area C. or D.

F. Plus 3 hours from the following:

- AR 202: InDesign (3 hours)
- AR 306: Illustrator (3 hours)
- AR 310: Photoshop (3 hours)

G. Photography Major Requirements (24 hours):



- AR 280: Beginning B&W Photography (3 hours)
- AR 380: Intermediate Photography (3 hours)
- AR 381: Intermediate Digital Photography (3 hours)
- AR 484: Advanced Photography I (3 hours)
- AR 485: Advanced Photography II (3 hours)
- AR XXX: Art Studio Elective (3 hours)
- AR 497: BFA Exhibition (6 hours)

## Bachelor of Fine Arts in Painting

### Degree Requirements

The BFA degree requires completion of 120 credits including:

- General Education – 38 Credits
- Majors Requirements – 72 Credits
- Electives – 10 Credits
- Upper Division Credits, 300-400 level – 42 Credits (can come from major course or electives)

### General Education Requirements

See [General Education Degree Plan](#)

### Major Requirements

- A. Required Studio Core (18 Credits):
- AR 206: Studio I (3 hours)
  - AR 207: Studio II (3 hours)
  - AR 208: Drawing (3 hours)
  - AR 209: Beginning Drawing II (3 hours)
  - AR 281: Beginning Digital Photography (3 hours)
  - AR 498: Professional Practice (3 hours)
- B. Required Art History & Theory Core (18 Credits):
- AR 105: Introduction to Art Criticism (3 hours)
  - AR 305: Art Theory (3 hours)
  - AR 405: Seminar in Art (3 hours)
  - AR 364: History of Art I (3 hours)
  - AR 365: History of Art II (3 hours)

PLUS 3 HOURS FROM:

- AR 367: Women Artists in Art History (3 hours)
- AR 368: Performance Art (3 hours)

- C. Plus 3 hours from the following (2D Electives):
- AR 260: Beginning Printmaking I (3 hours)
  - AR 261: Beginning Printmaking II (3 hours)
  - AR 280: Beginning B&W Photography (3 hours)

- D. Plus 3 hours from the following (3D Electives):
- AR 252: Beginning Sculpture (3 hours)
  - AR 253: Ceramics: Handbuilding (3 hours)
  - AR 3XX: 3D Rotator (3 hours)

E. Plus 3 Hours from Area C. or D.

- F. Plus 3 hours from the following:
- AR 202: InDesign (3 hours)
  - AR 306: Illustrator (3 hours)
  - AR 310: Photoshop (3 hours)

G. Painting Major Requirements (24 Credits):

- AR 220: Painting (3 hours)
- AR 308: Intermediate Drawing I (3 hours)
- AR 320: Intermediate Painting I (3 hours)
- AR 321: Intermediate Painting II (3 hours)
- AR 422: Advanced Painting I (3 hours)
- AR 423: Advanced Painting II (3 hours)

AND

- AR 497: BFA Exhibition (6 hours)

ELECTIVE CREDITS (10 Credits)

## Bachelor of Fine Arts in Drawing

### Degree Requirements

The BFA degree requires completion of 120 credits including:

- General Education – 38 Credits
- Majors Requirements – 72 Credits
- Electives – 10 Credits
- Upper Division Credits, 300-400 level – 42 Credits (can come from major courses or electives)

### General Education Requirements

See [General Education Degree Plan](#)

### Major Requirements

A. Required Studio Core (18 Credits):

- AR 206: Studio I (3 hours)
  - AR 207: Studio II (3 hours)
  - AR 208: Drawing (3 hours)
  - AR 209: Beginning Drawing II (3 hours)
  - AR 281: Beginning Digital Photography (3 hours)
  - AR 498: Professional Practice (3 hours)
- SPRING OF SENIOR YEAR

B. Required Art History & Theory Core (18 Credits):

- AR 105: Introduction to Art Criticism (3 hours)

- AR 305: Art Theory (3 hours) FALL OF SENIOR YEAR
- AR 405: Seminar in Art (3 hours) SPRING OF SENIOR YEAR
- AR 364: History of Art (3 hours)
- AR 365: History of Art (3 hours)

- Upper division credits (300-400 level) – 42 (can come from major courses or electives)

### General Education Requirements

See [General Education Degree Plan](#)

### Major Requirements

#### PLUS 3 HOURS FROM:

- AR 367: Women Artists in Art History (3 hours)
- AR 368: Performance Art (3 hours)

#### C. Plus 3 hours from the following (2D Electives):

- AR 220: Painting (3 hours)
- AR 280: Beginning B&W Photography (3 hours)

#### D. Plus 3 hours from the following (3D Electives):

- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 3XX: 3D Rotator (3 hours)

#### E. Plus 3 hours from Area C or D (3 hours)

#### F. Plus 3 hours from the following:

- AR 202: InDesign (3 hours)
- AR 306: Illustrator (3 hours)
- AR 310: Photoshop (3 hours)

#### G. Drawing Major Requirements (24 credits):

- AR 308: Intermediate Drawing I (3 hours)
- AR 309: Intermediate Drawing II (3 hours)
- AR 410: Advanced Drawing I (3 hours)
- AR 411: Advanced Drawing II (3 hours)

#### PLUS 6 CREDITS FROM:

- AR XXX: Art Studio Elective (3 hours)
- AR 260: Beginning Printmaking I (3 hours)
- AR 261: Beginning Printmaking II (3 hours)
- AR 360: Intermediate Printmaking I (3 hours)

#### AND

- AR 497: BFA Exhibition (6 hours)

Elective Credits (10 Credits)

## Bachelor of Fine Art in Form and Extended Media

### Degree Requirements

The BFA degree requires completion of 120 credits including:

- General Education – 31-32 Credits
- Majors Requirements – 72 Credits
- Electives – 17-18 Credits

#### A. Required Core (18 Credits):

- AR 206: Studio I (3 hours)
- AR 207: Studio II (3 hours)
- AR 208: Drawing (3 hours)
- AR 209: Beginning Drawing II (3 hours)
- AR 281: Beginning Digital Photography (3 hours)
- AR 498: Professional Practice (3 hours)

#### B. Art History & Theory Core (18 Credits):

- AR 105: Introduction to Art Criticism (3 hours)
- AR 305: Art Theory (3 hours)
- AR 405: Seminar in Art (3 hours)
- AR 364: History of Art I (3 hours)
- AR 365: History of Art II (3 hours)

#### PLUS 3 HOURS FROM:

- AR 367: Women Artists in Art History (3 hours)
- AR 368: Performance Art (3 hours)

#### C. Plus 6 hours from the following (2D Electives):

- AR 220: Painting (3 hours)
- AR 320: Intermediate Painting II (3 hours)
- AR 308: Intermediate Drawing II (3 hours)
- AR 260: Beginning Printmaking I (3 hours)
- AR 261: Beginning Printmaking II (3 hours)
- AR 280: Beginning B&W Photography (3 hours)
- AR 380: Intermediate Photography (3 hours)

#### D. Plus 3 hours from the following:

- AR 202: InDesign (3 hours)
- AR 306: Illustrator (3 hours)
- AR 310: Photoshop (3 hours)

#### E. Form and Extended Media Major Requirements (27 Credits):

- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 454: Advanced Form and Extended Media (3 hours)
- AR 497: BFA Exhibition (6 hours)

#### PLUS 12 HOURS FROM:

- AR 352: Mold Design and Cold Casting (3 hours)
- AR 353: Sculpting and Hot Casting (3 hours)
- AR 354: Digital Sculpture (3 hours)

- AR 355: Ceramics: Wheel-throwing (3 hours)
- AR 356: Experimental Ceramic Processes (3 hours)
- AR 357: Jewelry and Metalsmithing (3 hours)
- AR 358: Papermaking (3 hours)

## Associate of Arts in Studio Art

### Degree Requirements

Completion of the general education requirements for the Associate of Arts degree

#### Completion of the following Required Core courses:

- AR 105 Into to Art Criticism (3 hours)
- AR 206 Studio One (3 hours)
- AR 207 Studio Two (3 hours)
- AR 208 Drawing (3 hours)

#### Choose 1-3 courses from the following:

- AR 220 Painting (3 hours)
- AR 260 Beginning Printmaking I (3 hours)
- AR 261 Beginning Printmaking II (3 hours)
- AR 280 Beginning B&W Photo (3 hours)
- AR 281 Beginning Digital Photo (3 hours)

#### Choose 1-3 courses from the following:

- AR 252 Beginning Sculpture (3 hours)
- AR 253 Ceramics: Handbuilding (3 hours)
- AR 3XX 3D Rotator (3 hours)

**Art Courses Total 24 hours**

**General Education 38 hours**

**Total 64 hours**

## Minor in Art

The art minor consists of 18 credit hours (6 courses) that can be taken alongside your major requirements during any semester at Adams. You can choose to take courses in any art discipline or you can take several courses within one studio areas. If you are interested in adding an Art minor to your degree you will need an art faculty advisor. Contact the Department Chair for more information.

### Degree Requirements

#### Required Core:

- AR 208: Drawing (3 hours)

#### Plus one or more of the following:

- AR 105: Art Criticism (3 hours)
- AR 202: InDesign (3 hours)
- AR 209: Beginning Drawing II (3 hours)
- AR 220: Painting (3 hours)

- AR 260: Beginning Printmaking I (3 hours)
- AR 261: Beginning Printmaking II (3 hours)
- AR 280: Beginning B&W Photography (3 hours)
- AR 281: Beginning Digital Photography (3 hours)
- AR 252: Beginning Sculpture (3 hours)
- AR 253: Ceramics: Handbuilding (3 hours)
- AR 3XX: 3D Rotator (3 hours)

Complete 18 Credits total in any Studio Art or Art History class 200-400 level, provided prerequisites are met.

## Art Emphasis for Elementary Education Licensure

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All student must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**For elementary education licensure, students must complete the Content Area Emphasis and Bachelor of Arts in Interdisciplinary Studies Degree Requirements.**

#### Required Courses for Emphasis

- AR 206: Studio One (3 hours)
- AR 207: Studio Two (3 hours)
- AR 208: Drawing (3 hours)
- AR 334: Elem School Art Ed Methods (3 hours)
- AR 364: History of Art (3 hours) **OR** AR 365: History of ART II (3 hours) **OR** AR 367: Women Artists in Art History (3 hours)

# Biology

Students may choose from programs in biology which lead to a bachelor's degree and, if elected, pre-professional preparation or secondary teacher licensure. The department facilitates student learning through careful advisement, small classes, and an excellent teaching faculty. Current facilities include modern laboratory instrumentation, field equipment, and networked computer systems.

The Biology Program offers several degree programs. The secondary teacher licensure program qualifies students for the Colorado standard teaching license in science education. Students following the Bachelor of Science and Bachelor of Arts degree programs prepare themselves for careers in private industry, natural resource management, or to continue their education in graduate programs and professional schools.

## Department Faculty

### Co-Chairpersons

- Benita Brink, Ph.D.
- Tim Armstrong, Ph.D.

### Professors

- Tim Armstrong, Ph.D.
- Benita Brink, Ph.D.

### Assistant Professors

- Dan Gibson-Reinemer, Ph.D.
- Megan Dudley, Ph.D. (*visiting*)
- Victoria Gomez, M.S. (*visiting*)

### Adjunct Professors

- Corrie Welch, D.V.M.
- Deborah Shulsinger, M.P.T.
- Evert Brown, Ph.D.
- Nicole Kasper, Ph.D.
- Shannon Cox-Kelley, Ph.D. (*ASO faculty*)
- Jennifer Goodnight, M.S. (*ASO faculty*)

## Bachelor of Arts in Biology, Liberal Arts

### Degree Requirements

Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).

- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Completion of the following required courses:

- BIOL 209: General Biology I (5 hours)
- BIOL 210: General Biology II (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)
- Choose two 400-level biology courses (3-4 hours)

### Completion of required support courses:

- MATH 106: College Algebra (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- CHEM 111: Introductory Chemistry GT-SC1 (4 hours) AND CHEM 111L: Introductory Chemistry Lab (1 hours)
- CHEM 112: Intro Organic/Biological Chem (4 hours) AND CHEM 112L: Intro Organic/Biol Chem Lab (1 hours)
- **OR**
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours) AND CHEM 132L: General Chemistry Lab (1 hours)
- **AND**
- CHEM 321: Organic Chemistry (4 hours) AND CHEM 321L: Organic Chemistry Lab (1 hours)

For the Bachelor of Arts in Biology, a minor of the student's choice must be completed.

## Bachelor of Arts in Biology, Science Education with Secondary Teacher Licensure

### Degree Requirements

Completion of requirements for a bachelor's degree, including general education requirements, 120

**credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the secondary teacher licensure requirements.**

**Bachelor of Arts with Secondary Education Licensure**

**Major Requirements**

**Completion of the following required courses:**

- BIOL 209: General Biology I (5 hours)
- BIOL 210: General Biology II (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 493: Thesis I (1 hours)

**Plus a minimum of 4 credits from the following:**

- BIOL 417: Vascular Plant Systematics (4 hours)
- BIOL 420: Mycology (4 hours)
- BIOL 423: Plant Physiology (4 hours)
- BIOL 430: Plant Ecology (4 hours)

**Plus a minimum of three credits from the following:**

- BIOL 440: Invertebrate Zoology (4 hours)
- BIOL 460: Ornithology (3 hours)
- BIOL 461: Entomology (3 hours)
- BIOL 463: Ichthyology (3 hours)
- BIOL 464: Mammalogy (3 hours)
- BIOL 471: Herpetology (3 hours)

**Plus a minimum of three credits from the following:**

- BIOL 404: Physiological Zoology (3 hours)
- BIOL 408: Developmental Biology (4 hours)
- BIOL 411: Comparative Anatomy (4 hours)
- BIOL 448: Microbiology (4 hours)

**Completion of required support courses:**

- CHEM 112: Intro Organic/Biological Chem (4 hours)
- CHEM 112L: Intro Organic/Biol Chem Lab (1 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)
- ED 350: Methods/Teaching Science-Sec (3 hours)

**Recommended Courses:**

- BIOL 205: Human Anatomy & Physiology (4 hours)
- BIOL 206: Human Anatomy & Physiology (4 hours)
- BIOL 125: Nutrition (3 hours)
- BIOL 407: Comparative Animal Physiology (4 hours)
- BIOL 448: Microbiology (4 hours)
- BIOL 476: Molecular Biology I (4 hours)
- GEOL 111: Physical Geology (4 hours)
- GEOL 112: Earth History (4 hours)
- MATH 205: Intro to Statistical Methods (3 hours)

**Plus other courses required by the Teacher Education Department.**

**Bachelor of Science in Biology, Cellular and Molecular Biology**

**Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Major Requirements**

**Completion of the following required courses:**

- BIOL 209: General Biology I (5 hours)

- BIOL 210: General Biology II (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 448: Microbiology (4 hours)
- BIOL 476: Molecular Biology I (4 hours)
- BIOL 477: Genomics & Bioinformatics (4 hours)
- BIOL 493: Thesis I (1 hours)
- BIOL 494: Thesis II (1 hours)

**Plus a minimum of seven credits from the following:**

- BIOL 407: Comparative Animal Physiology (4 hours)
- BIOL 408: Developmental Biology (4 hours)
- BIOL 411: Comparative Anatomy (4 hours)
- BIOL 450: Immunology (3 hours)
- BIOL 451: Endocrinology (3 hours)

**Completion of required support courses:**

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- CHEM 401: Biochemistry (3 hours)
- CHEM 401L: Biochemistry Lab (1 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)

## **Bachelor of Science in Biology, Organismal Biology**

### **Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.

- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### **Major Requirements**

**Completion of the following required courses:**

- BIOL 209: General Biology I (5 hours)
- BIOL 210: General Biology II (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 493: Thesis I (1 hours)
- BIOL 494: Thesis II (1 hours)

**Plus 3 courses including a minimum of one from each of the following sections (Sections A and B):**

**A.**

- BIOL 417: Vascular Plant Systematics (4 hours)
- BIOL 420: Mycology (4 hours)
- BIOL 423: Plant Physiology (4 hours)
- BIOL 430: Plant Ecology (4 hours)

**B.**

- BIOL 404: Physiological Zoology (3 hours)
- BIOL 440: Invertebrate Zoology (4 hours)
- BIOL 460: Ornithology (3 hours)
- BIOL 461: Entomology (3 hours)
- BIOL 463: Ichthyology (3 hours)
- BIOL 464: Mammalogy (3 hours)
- BIOL 471: Herpetology (3 hours)

**Plus a minimum of 4 credits from the following:**

- BIOL 407: Comparative Animal Physiology (4 hours)
- BIOL 408: Developmental Biology (4 hours)
- BIOL 411: Comparative Anatomy (4 hours)
- BIOL 448: Microbiology (4 hours)

**Completion of required support courses:**

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)

- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)

## Bachelor of Science in Biology, Wildlife

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Major Requirements

**Completion of the following required courses:**

- BIOL 209: General Biology I (5 hours)
- BIOL 210: General Biology II (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 493: Thesis I (1 hours)
- BIOL 494: Thesis II (1 hours)

**Plus a minimum of 4 credits from the following:**

- BIOL 467: Wildlife Management (2 hours)
- BIOL 468: Vegetation/Habitat Management (2 hours)
- BIOL 469: Fisheries Management (2 hours)
- GEOG 212: Natural Resource Management on Public Lands (3 hours)

**Plus a minimum of 2 courses from each of the following sections (Sections A, B & C):**

#### A.

- BIOL 460: Ornithology (3 hours)
- BIOL 461: Entomology (3 hours)
- BIOL 463: Ichthyology (3 hours)
- BIOL 464: Mammalogy (3 hours)
- BIOL 471: Herpetology (3 hours)

#### B.

- BIOL 404: Physiological Zoology (3 hours)
- BIOL 411: Comparative Anatomy (4 hours)
- BIOL 423: Plant Physiology (4 hours)
- GEOG 307: Biogeography (3 hours)

#### C.

- BIOL 417: Vascular Plant Systematics (4 hours)
- BIOL 420: Mycology (4 hours)
- BIOL 430: Plant Ecology (4 hours)
- Nine hours of plant-related courses are required for positions with the Federal Government

**Completion of required support courses:**

- CHEM 111: Introductory Chemistry GT-SC1 (4 hours)
- CHEM 111L: Introductory Chemistry Lab (1 hours)
- CHEM 112: Intro Organic/Biological Chem (4 hours)
- CHEM 112L: Intro Organic/Biol Chem Lab (1 hours)
- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)

**Recommended Courses:**

- BIOL 314: Conservation Biology (3 hours)

## Minor in Biology

### Degree Requirements

**Completion of at least 18 credits selected in consultation with the department chair or completion of the following required courses:**

- BIOL 209: General Biology I (5 hours)
- BIOL 210: General Biology II (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)

## Pre-Dentistry

It is recommended students prepare for professional school admittance in dentistry by completing the B.S. (cellular and molecular biology) degree in biology or the B.S. (biochemistry) degree in chemistry prior to application for dental school admission. Most dental schools require the courses listed below. Be aware prerequisites vary among dental schools. What follows is typical of the minimum prerequisites. Early consultation with the pre-dental advisor is recommended to plan a program. Some upper-division courses have prerequisites not listed below.

### Requirements

- BIOL 209: General Biology I GT-SC1 (5 hours)
- BIOL 210: General Biology II GT-SC1 (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 407: Comparative Animal Physiology (4 hours)
- BIOL 411: Comparative Anatomy (4 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)
- ECON 255: Principles of Economics I (3 hours)
- ENG 101: Communication Arts I GT-C01 (3 hours)
- ENG 102: Communication Arts II GT-C02 (3 hours)
- ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours)
- SPCH 100: Speech Fundamentals (3 hours)
- Plus 6 credits of approved sequence in fine arts/humanities

## Pre-Medicine

Admission to postgraduate professional training in medicine is extremely competitive. As a rule, students

can seek admission having earned a degree in any of a variety of disciplines, as long as specific courses have been completed as part of the program. Most medical schools require the courses listed below. Some medical schools have additional prerequisites. It is recommended students complete a B.S. degree in biology (cellular and molecular biology) or a B.S. degree in chemistry (biochemistry). It is highly recommended that students consult with the Adams State pre-medical advisor early in their program for information and schedule planning.

- BIOL 203: General Biology GT-SC1 (5 hours)
- BIOL 204: General Biology GT-SC1 (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- ENG 101: Communication Arts I GT-C01 (3 hours)
- ENG 102: Communication Arts II GT-C02 (3 hours)
- ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours)
- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)

### The following courses are highly recommended:

- PSYC 101: Introduction to Psyc GT-SS3 (3 hours)
- SOC 201: Soc Imagination GT-SS3 (3 hours)

## Pre-Optometry

Adams State University offers pre-professional training to prepare students for admission to optometry schools. Typically, these institutions admit students who have completed a bachelor's degree.

Students should check with the schools for specific requirements, preferably early in their undergraduate career. Students should consult with the Adams State pre-optometry advisor early in their program for information and schedule planning.



It is recommended that students plan to complete either the B.S. degree in biology (cellular and molecular biology) or B.S. degree in chemistry (biochemistry), with attention to the completion of the following suggested course list. Prerequisites vary among optometry schools.

- BIOL 205: Human Anatomy & Physiology (4 hours)
- BIOL 206: Human Anatomy & Physiology (4 hours)
- BIOL 203: General Biology GT-SC1 (5 hours)
- BIOL 204: General Biology GT-SC1 (5 hours)
- BIOL 448: Microbiology (4 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours) AND PHYS 226: College Physics II (5 hours)
- OR
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours) AND PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)
- PSYC 101: Introduction to Psyc GT-SS3 (3 hours)
- SOC 201: Soc Imagination GT-SS3 (3 hours)

## Pre-Pharmacy

Adams State University offers pre-professional training to prepare students for admission to pharmacy school. A minimum of two years, but typically three years, of study is required. Students apply to the pharmacy school(s) of their choice towards the end of the fall semester of their sophomore or junior year. Most pharmacy schools now offer only the doctor of pharmacy degree (Pharm.D.), which requires four additional years of study after admission to the pharmacy school. As with all professional schools, admission to pharmacy school is competitive, and students must do well in their courses at Adams State in order to gain admission. All pharmacy schools require

certain pre-professional courses, which students can take at Adams State, and some schools also require applicants to take the Pharmacy College Admission Test (PCAT). Early in the first year at Adams State, students should check specific requirements for the pharmacy schools to which they plan to apply and should meet with the pre-pharmacy advisor to help plan an appropriate program of study.

### Core science and mathematics courses required for most programs:

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- BIOL 203: General Biology GT-SC1 (5 hours)
- BIOL 204: General Biology GT-SC1 (5 hours)
- BIOL 205: Human Anatomy & Physiology (4 hours)
- BIOL 215: Microbiology for Non-Majors (4 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)

### Notes:

Some schools require two semesters of anatomy and physiology. Some schools require the human anatomy be cadaver based, which is not available at Adams State. Students who are not prepared to start calculus during their first year should plan to take MATH 106 and 107 before MATH 120. Some schools require two semesters of calculus. Some schools also require MATH 205—Statistics. Some schools require two semesters of physics.

### Other pre-professional courses required for most programs:

- PHYS 225: College Physics I GT-SC1 (5 hours)
- ENG 101: Communication Arts I GT-C01 (3 hours)
- ENG 102: Communication Arts II GT-C02 (3 hours)
- ECON 255: Principles of Economics I (3 hours)
- SPCH 100: Speech Fundamentals (3 hours)
- One course in psychology, sociology, or history (3 credits)
- Social science and humanities electives (9-15 credits)

## Pre-Physician Assistant

Admission to physician assistant programs is extremely competitive, roughly equivalent to admission to medical school. Students may seek admission having earned a degree in any of a variety of disciplines, as long as specific courses have been completed as part of the program. The following are the specific course requirements for admission to the University of Colorado Child Health Associate/ Physician Assistant Program. We recommend students complete a B.S. degree in biology (cellular and molecular biology) and seek consultation with the appropriate advisor. Some upper-division courses have prerequisites not listed below.

- BIOL 203: General Biology GT-SC1 (5 hours)
- BIOL 204: General Biology GT-SC1 (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 407: Comparative Animal Physiology (4 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- OR
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)
- PSYC 101: Introduction to Psyc GT-SS3 (3 hours)
- PSYC 204: Child Development (3 hours)
- Upper-division science (3 credits)
- Humanities (not including ENG 101, 12 credits)
- Upper-division semester hours (18 credits)
- Graduate Record Examination (GRE) and the GRE Writing Assessment are also required.

## Pre-Veterinary Medicine

Students should prepare for admittance to professional schools in veterinary medicine by completing a B.S. degree in biology (cellular and molecular biology) or a B.S. degree in chemistry (biochemistry) prior to application for veterinary school admission. Veterinary schools often list minimum course requirements for admission. What follows is typical of these minimum course lists. Students are strongly urged to consult as early as possible with the biology pre-veterinary advisor to plan a program. Some upper-division courses have prerequisites not listed below.

- BIOL 203: General Biology GT-SC1 (5 hours)

- BIOL 204: General Biology GT-SC1 (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 407: Comparative Animal Physiology (4 hours)
- BIOL 408: Developmental Biology (4 hours)
- BIOL 411: Comparative Anatomy (4 hours)
- BIOL 448: Microbiology (4 hours)
- BIOL 476: Molecular Biology I (4 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 401: Biochemistry (3 hours)
- CHEM 401L: Biochemistry Lab (1 hours)
- ENG 101: Communication Arts I GT-C01 (3 hours)
- ENG 102: Communication Arts II GT-C02 (3 hours)
- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)
- SPCH 100: Speech Fundamentals (3 hours)
- Plus additional, required general education courses.

# ***Business***

The mission of the School of Business is to deliver a contemporary, integrated business curriculum emphasizing teaching excellence in a student-centered environment. The School of Business offers several degree programs. Minors are offered in consultation with the department chair in all the majors except economics, small business, pre-international business, business education, and advertising.

The School of Business has one national professional business fraternity, Phi Beta Lambda, and a national honor society in business, management and administration, Sigma Beta Delta. Other student clubs include: Agribusiness, Bulls and Bears (finance), Pacioli Club (in accounting) and an Adams State Toastmaster's Chapter. The accounting program is recognized by the Colorado State Board of Accountancy.

The student will acquire competency to apply sound business practices and to understand the evolving business and economic environment under which business decisions must be made. Graduates are prepared for a variety of jobs in accounting, finance, management, marketing, research in public and private sectors, small business, and teaching.

## **Department Faculty**

### **Chairperson**

Elizabeth Hensley, Ph.D.

### **Professors**

- Zena Buser, Ph.D.

### **Associate Professors**

- Elizabeth Hensley, Ph.D.

### **Assistant Professors**

- Sheryl Abeyta, M.T.
- Natalie Rogers, M.B.A.
- Armando Valdez, M.B.A.
- Mohamed Yusri Zaro, M.B.A.

## **Master of Business Administration**

Online delivery allows today's busy working professional the opportunity to participate in a program without putting your career on hold. Whether you travel extensively, have a job that prevents you from attending traditional on-campus classes, or have family obligations that limit your available time, the flexibility of online

delivery brings the Adams State University M.B.A. program to you, on your schedule.

The online M.B.A. curriculum is well suited for people with either business or non-business undergraduate degrees. You'll spend six continuous semesters, or two years, learning key business, health administration, leadership, and public administration concepts to make you more effective in your current job or to open new employment opportunities.

The online M.B.A. curriculum offers a level of quality and rigor consistent with Adams State's reputation for excellence as an educational institution. The distance M.B.A. program welcomes students from around the globe. Learn how to begin today. For more information, to be added to our mailing list, or to request an M.B.A. application, go to [mba.adams.edu](http://mba.adams.edu).

## **Admission Requirements**

Students desiring to enroll in the Master of Business Administration (M.B.A.) degree program must have a bachelor's degree (B.A. or B.S.) from an accredited institution. All applicants must submit the following information to the M.B.A. Program Director, Adams State University, 208 Edgemont Blvd., Alamosa, CO 81101:

1. An application for admission to graduate study
2. A \$30 non-refundable application fee.
3. An official transcript sent directly from the institution to the ASU Office of Graduate Studies verifying receipt of the baccalaureate degree. Transcripts from Adams State need not be requested; however, official transcripts confirming transfer courses are required.
4. GPA of 3.0 or higher in the most recent 30 credit hours (undergraduate and graduate hours acceptable).
5. Two recent letters of recommendation (please include phone numbers).
6. Resume which includes academic, volunteer, and work experience.
7. A letter of intent (statement of purpose) describing interests, background, the emphasis of interest, and professional goals. The letter will be used to assess writing skills for eligibility into the program.
8. Additional information may be requested by the Department of Business before an admission decision can be determined.
9. The chair of the M.B.A. department will notify students of admission decisions.

## **Degree Requirements**

## Required Core

- BUS 500: Leadership Skills for Managers (3 hours)
- BUS 505: Creating Consumer Value (3 hours)
- ECON 505: Managerial Economics (3 hours)
- BUS 520: Managerial Accounting (3 hours)
- BUS 525: Financial Analysis (3 hours)
- BUS 540: Strategy (3 hours)
- BUS 5XX Elective Course (3 credits)
- BUS 5XX Elective Course (3 credits)

## Health Administration Emphasis

- HCA 545: Public Health (3 hours)
- HCA 550: Elderly and Managed Care (3 hours)
- HCA 555: Health Policy (3 hours)
- HCA 590: Practicum (3 hours) OR HCA 595: HCA Thesis (3 hours)

## Leadership Emphasis

- BUS 545: Leading Entrepreneurial Orgs. (3 hours)
- BUS 550: Technology and Innovation (3 hours)
- BUS 555: Leading for Results (3 hours)
- BUS 560: Leadership Capstone (3 hours)

## Public Administration Emphasis

- BUS 580: Public / Nonprofit Management (3 hours)
- BUS 585: Public Budgeting and Finance (3 hours)
- BUS 590: Policy Analysis (3 hours)
- BUS 595: Public Administration Capstone (3 hours)

## Finance Emphasis

- BUS 531: Multinational Financial Mgmt (3 hours)
- BUS 532: Portfolio Mgmt & Investm Anlys (3 hours)
- BUS 533: Financial Mkts & Institutions (3 hours)
- BUS 534: Finance Capstone (3 hours)

## 5-year B.S./M.B.A. Program

### Program Information

Adams State University School of Business is pleased to offer a new program that allows select business majors to earn a bachelor's and M.B.A. in just five years. The 5-year B.S./M.B.A. helps exceptional Adams State students get a head start in their career in business. The program provides a solid foundation for students to launch a successful career in business. The curriculum allows students several options so they can customize

their degree to the area in business most relevant to their career goals.

The B.S./M.B.A. provides a seamless transition from an undergraduate program to the graduate program, allowing students to cultivate and strengthen their business expertise and maintain the M.B.A. advantage that is sought after in today's highly competitive, global marketplace. The five-year B.S./M.B.A. program is designed for motivated students who are prepared for a streamlined, integrated academic experience that responds to the rapidly changing global environment of today's business world. The B.S./M.B.A. program is ideal for those who want to fast-track their careers while building sustainable skills with innovative and interactive curricula. Students are grounded in applications-based learning that engages new technologies, global perspectives, and ethics-based best practices.

For more information, please contact the School of Business at 719-587-7161.

## Admission Requirements for Combined Bachelor's/M.B.A. Degree Program

Undergraduates enrolled in a bachelor's degree program at Adams State University who have completed 75 credit hours of course work toward their degrees and have a cumulative GPA of 3.0 or above may apply for admission to a combined bachelor's/M.B.A. degree program. This program has been established to encourage students with strong scholarly interests to begin their M.B.A. program during their junior year and to provide flexibility in the scheduling and completion of undergraduate requirements along with their graduate course requirements for the M.B.A. degree. The graduate degree will be awarded only after, or concurrently with, the award of Baccalaureate. There are two categories that could qualify a student for acceptance:

The student may be enrolled in either a graduate or undergraduate degree program, taking both undergraduate and graduate courses, with two degrees being conferred only when the requirements for both are completed. This student must be monitored and eligibility for certain financial aid programs may be restricted. A "500-Level Course Evaluation" form must be completed and approved by the M.B.A. director and the School of Business chair prior to registration. A student must have completed 90 credit hours prior to starting 500-level courses.

The student is an undergraduate taking graduate course(s) as part of their undergraduate degree program.

The courses are being used to complete the undergraduate degree. This student is treated for financial aid purposes as a normal undergraduate student and no special financial aid processing is required. Until students accumulate 120 total credit hours bachelor/M.B.A., they will be classified as undergraduates for financial aid and College Opportunity Fund (COF) purposes (COF applies to courses numbered 100, 200, 300, and 400 only).

ASU undergraduate/M.B.A. students may count up to 6 credit hours of M.B.A. work toward their undergraduate degree program with permission from the M.B.A. director and School of Business chair. These students will be able to finish their M.B.A. with 30 credit hours as 6 credit hours would have counted toward their baccalaureate degree.

## **Bachelor of Arts in Business**

### **Administration**

With emphases in:

Advertising

Business Teacher Education (with secondary teacher licensure)

General Business

International Business

### **Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of one of the following emphases:**

#### **Advertising Emphasis**

**Completion of the following required courses:**

- BUS 207: Principles of Accounting I (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 318: Business Statistics (3 hours)

- BUS 335: Consumer Behavior (3 hours)
- BUS 345: Advertising (3 hours)
- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 448: Interactive Marketing (3 hours)
- BUS 454: Market Research & Information (3 hours)
- BUS 460: Marketing Management (3 hours)
- BUS 466: Business Ethics (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)
- AR 202: InDesign (3 hours)
- AR 206: Studio One (3 hours)
- AR 207: Studio Two (3 hours)
- AR 208: Drawing (3 hours)
- AR 281: Beginning Digital Photography (3 hours)

**Plus 4 courses of the following:**

- AR 301: Typography (3 hours)
- AR 306: Illustrator (3 hours)
- AR 310: Photoshop (3 hours)
- AR 312: Design for the Internet (3 hours)
- AR 381: Intrmdte Digital Photography (3 hours)
- AR 401: Advanced Graphic Design (3 hours)

**Plus 9 semester hours from speech and/or journalism and 6 semester hours from business.**

#### **Business Teacher Education Emphasis (with Secondary Teacher Licensure)**

**Completion of the following required courses:**

- BUS 103: Introduction to Business (3 hours)
- BUS 120: Bus Computer Applications I (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 208: Principles of Accounting II (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 265: Business Communications (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 313: Meth of Teaching Bus Education (3 hours)
- BUS 320: Bus Computer Applications II (3 hours)
- BUS 323: Computerized Accounting (1 hours)
- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 363: Managerial Finance (3 hours)
- BUS 480: Global Business Strategies (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)

**Completion of the secondary teacher licensure requirements.**

- Bachelor of Arts with Secondary Education Licensure

**Plus completion of one of the following areas of specialization:**

- Accounting
  - BUS 305: Intermediate Accounting I (4 hours) OR BUS 307: Managerial Cost Accounting I (3 hours)
- Marketing – 6 credits from the following:
  - BUS 315: Sales and Sales Management (3 hours)
  - BUS 335: Consumer Behavior (3 hours)
  - BUS 345: Advertising (3 hours)
  - BUS 385: Sports Marketing (3 hours)
  - BUS 448: Interactive Marketing (3 hours)
  - BUS 449: Marketing in the 21st Century (3 hours)

**General Business Emphasis**

- BUS 103: Introduction to Business (3 hours)
- BUS 120: Bus Computer Applications I (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 208: Principles of Accounting II (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 318: Business Statistics (3 hours)
- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 363: Managerial Finance (3 hours)
- BUS 265: Business Communications (3 hours)
- BUS 430: Production & Operations Mgmt (3 hours)
- BUS 480: Global Business Strategies (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)
- ECON 256: Microeconomics Principles (3 hours)

**International Business Emphasis**

**Business Administration Core (42):**

- BUS 103: Introduction to Business (3 hours)
- BUS 120: Bus Computer Applications I (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 208: Principles of Accounting II (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 265: Business Communications (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 318: Business Statistics (3 hours)

- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 363: Managerial Finance (3 hours)
- BUS 430: Production & Operations Mgmt (3 hours)
- BUS 480: Global Business Strategies (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)
- ECON 256: Microeconomics Principles (3 hours)

**Completion of the following required courses:**

- BUS 335: Consumer Behavior (3 hours)
- BUS 383: Int'l Financial Mgmt (3 hours)
- BUS 425: Systems Analysis (3 hours)
- BUS 498: World Food Distrb/Ag Economics (3 hours)
- BUS 441: International Marketing (3 hours)

**Plus 9 semester hours from government, history, or languages (in consultation with your advisor)**

**Bachelor of Science in Business Administration**

**With emphases in:**

- Accounting**
- Agribusiness**
- Economics**
- Entrepreneurship**
- Finance**
- General Business**
- Health Care Administration**
- Management**
- Marketing**

**Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.

- No D grade may apply to a major or minor field.

**Completion of the following required courses:**

- BUS 103: Introduction to Business (3 hours)  
(except for Agribusiness Emphasis)
- BUS 120: Bus Computer Applications I (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 208: Principles of Accounting II (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 265: Business Communications (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 318: Business Statistics (3 hours)
- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 363: Managerial Finance (3 hours)
- BUS 430: Production & Operations Mgmt (3 hours)
- BUS 480: Global Business Strategies (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)
- ECON 256: Microeconomics Principles (3 hours)

**In addition to required business administration major courses, students in the Bachelor of Science program must complete one of the following emphases:**

**Accounting Emphasis**

- BUS 305: Intermediate Accounting I (4 hours)
- BUS 306: Intermediate Accounting II (4 hours)
- BUS 307: Managerial Cost Accounting I (3 hours)
- BUS 355: Fundamentals of Income Tax (4 hours)
- BUS 360: Govt & Institution Accounting (3 hours)
- BUS 405: Advanced Accounting (4 hours)
- BUS 407: Auditing I (3 hours)
- BUS 409: Fraud Examination (3 hours)
- BUS 455: Advanced Income Taxation (4 hours)

**Optional class**

- BUS 308: Managerial Cost Accounting II (3 hours)
- BUS 358: Accounting Ethics (3 hours)
- BUS 371: Payroll Acctg & Taxation (3 hours)
- BUS 377: Agricultural Taxation (3 hours)
- BUS 465: Est Gft & Fiduc Tax Law (3 hours)

**Agribusiness Emphasis**

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 364: Agribusiness Management (3 hours)

- BUS 378: Commodities/Risk Management (3 hours)
- BUS 384: Natural Resources/Water Law (3 hours)
- BUS 398: Farm and Ranch Management (3 hours)
- BUS 478: Agricultural Marketing (3 hours)
- BUS 488: Ag Policy and Farm Bill (3 hours)
- BUS 498: World Food Distribution/Ag Economics (3 hours)
- Plus 12 upper-level business credits as approved by advisor

**Economics Emphasis**

- ECON 201: Econ and Today's Society GT-SS1 (3 hours)
- ECON 425: Economic Policy (3 hours)
- ECON 433: Managerial Economics (3 hours)
- BUS 373: Investment Analysis (3 hours)
- BUS 378: Commodities/Risk Management (3 hours)
- BUS 383: Int'l Financial Mgmt (3 hours)

**A minimum 12 credits from the following:**

- BUS 307: Managerial Cost Accounting I (3 hours)
- BUS 320: Bus Computer Applications II (3 hours)
- BUS 355: Fundamentals of Income Tax (4 hours)
- BUS 414: Commercial Banking (3 hours)
- BUS 416: Business Financial Problems (3 hours)
- BUS 466: Bus Ethics Decision Making (3 hours)
- BUS 498: World Food Distribution/Ag Economics (3 hours)
- HCA 455: Health Care Economics (3 hours)

**Entrepreneurship Emphasis**

- BUS 315: Sales and Sales Management (3 hours)
- BUS 448: Interactive Marketing (3 hours)
- BUS 362: Human Resource Management (3 hours)
- BUS 365: Small Bus Management/Entrepreneur (3 hours)
- BUS 466: Bus Ethics Decision Making (3 hours)
- BUS 467: Creativity and Innovation (3 hours)
- BUS 468: New Business Venturing (3 hours)
- Plus 6 semester hours of 300- to 400-level business or economics courses approved by the student's advisor.

**Finance Emphasis**

- BUS 367: Financial Analysis (3 hours)

- BUS 368: Financial Institutions (3 hours)
- BUS 373: Investment Analysis (3 hours)
- BUS 383: Int'l Financial Mgmt (3 hours)
- BUS 414: Commercial Banking (3 hours)
- BUS 416: Business Financial Problems (3 hours)
- BUS 426: Money & Capital Markets (3 hours)

**Electives (6 semester hours) from the following:**

- BUS 312: Web Design I (3 hours)
- BUS 315: Sales and Sales Management (3 hours)
- BUS 320: Bus Computer Applications II (3 hours)
- BUS 355: Fundamentals of Income Tax (4 hours)
- BUS 365: Small Bus Management/Entrepreneur (3 hours)
- BUS 378: Commodities/Risk Management (3 hours)
- BUS 381: Business Internship I (1 TO 3 hours)
- BUS 427: Financial Risk Management (3 hours)
- BUS 428: Portfolio Management (3 hours)
- BUS 429: Honor Seminar in Finance (3 hours)
- BUS 441: International Marketing (3 hours)
- HCA 363: Health Care Finance (3 hours)
- ECON 425: Economic Policy (3 hours)
- ECON 433: Managerial Economics (3 hours)

**General Business Emphasis**

- 30 semester hours from 300- to 400-level business, economics or health care administration courses.

**Health Care Administration Emphasis**

- BUS 362: Human Resource Management (3 hours)
- HCA 303: Health Care Administration (3 hours)
- HCA 305: Health Care Marketing (3 hours)
- HCA 311: Health Care Law & Ethics (3 hours)
- HCA 312: Health Care Med Terminology (3 hours)
- HCA 325: Health Care Information System (3 hours)
- HCA 363: Health Care Finance (3 hours)
- HCA 381: Health Care Admin Internship (3 hours)
- HCA 402: Epidemiology (3 hours)
- HCA 455: Health Care Economics (3 hours)
- HCA 462: Quality Mgmt in Health Care (3 hours)
- HCA 480: Health Care Policy (3 hours)

**Management Emphasis**

- BUS 362: Human Resource Management (3 hours)
- BUS 365: Small Bus Management/Entrepreneur (3 hours)
- BUS 401: Organizational Behavior (3 hours)
- BUS 418: Leadership Strategies (3 hours)
- BUS 419: Organizational Change/Develop (3 hours)
- BUS 466: Bus Ethics Decision Making (3 hours)

**Plus 3 hours from the following:**

- ECON 425: Economic Policy (3 hours)
- ECON 433: Managerial Economics (3 hours)

**Plus 6 semester hours of 300- to 400-level business or economics courses approved by the student's advisor.**

**Marketing Emphasis**

- BUS 315: Sales and Sales Management (3 hours)
- BUS 335: Consumer Behavior (3 hours)
- BUS 345: Advertising (3 hours)
- BUS 448: Interactive Marketing (3 hours)
- BUS 454: Market Research & Information (3 hours)
- BUS 460: Marketing Management (3 hours)

**Plus 3 courses of any of the following:**

- BUS 356: Retailing (3 hours)
- BUS 385: Sports Marketing (3 hours)
- BUS 441: International Marketing (3 hours)
- BUS 449: Marketing in the 21st Century (3 hours)
- HCA 305: Health Care Marketing (3 hours)

**Associate of Science in General Business**

**Degree Requirements**

**Completion of the general education requirements for the Associate of Science degree.**

**Completion of the following:**

- BUS 103: Introduction to Business (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 265: Business Communications (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)
- BUS or ECON electives (100- or 200-level): 3 credits
- Electives: 4 credits

**Minor in Accounting**



## Degree Requirements

A minor in accounting requires 18 hours in business and/or economics, of which a minimum of 15 hours must be in accounting. All 18 hours may be in accounting.

### Minimum of 15 hours from the following:

- BUS 207: Principles of Accounting I (3 hours)
- BUS 208: Principles of Accounting II (3 hours)
- BUS 305: Intermediate Accounting I (4 hours)
- BUS 306: Intermediate Accounting II (4 hours)
- BUS 307: Managerial Cost Accounting I (3 hours)
- BUS 308: Managerial Cost Accounting II (3 hours)
- BUS 355: Individual Income Taxation (4 hours)
- BUS 358: Accounting Ethics (3 hours)
- BUS 360: Govt & Institution Accounting (3 hours)
- BUS 371: Payroll Acctg & Taxation (3 hours)
- BUS 377: Agricultural Taxation (3 hours)
- BUS 405: Advanced Accounting (4 hours)
- BUS 407: Auditing I (3 hours)
- BUS 409: Fraud Examination (3 hours)
- BUS 455: Entity Taxation (4 hours)
- BUS 465: Est Gft & Fiduc Tax Law (3 hours)

Plus 3 hours of business or economics courses

## Minor in Agribusiness

### Degree Requirements

A minor in Agribusiness requires 18 hours of agribusiness and/or business, of which 15 hours must be in agribusiness.

### Minimum of 15 hours from the following:

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 364: Agribusiness Management (3 hours)
- BUS 378: Commodities/Risk Management (3 hours)
- BUS 384: Natural Resources/Water Law (3 hours)
- BUS 398: Farm and Ranch Management (3 hours)
- BUS 478: Agricultural Marketing (3 hours)
- BUS 488: Ag Policy and Farm Bill (3 hours)
- BUS 498: World Food Distrib/Ag Economics (3 hours)

Plus 3 hours of a 300- or 400-level business elective

## Minor in Business Administration

### Degree Requirements

- BUS 103: Introduction to Business (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 361: Principles of Management (3 TO 4 hours)
- ECON 255: Macroeconomics Principles (3 hours)

Plus 6 hours from the following (may, but need not, come from the same subgroup):

- BUS 208: Principles of Accounting II (3 hours) AND/OR BUS 307: Managerial Cost Accounting I (3 hours) AND/OR BUS 355: Individual Income Taxation (4 hours)
- BUS 312: Web Design I (3 hours) AND BUS 320: Bus Computer Applications II (3 hours)
- BUS 363: Managerial Finance (3 hours) AND BUS 373: Investment Analysis (3 hours)
- BUS 362: Human Resource Management (3 hours) AND BUS 365: Small Bus Mngmnt/Entrepreneur (3 hours)
- BUS 304: Principles of Marketing (3 hours) AND BUS 450: Services Marketing (3 hours)
- BUS 318: Business Statistics (3 hours) AND BUS 430: Production & Operations Mgmt (3 hours)
- BUS 211: Business Law (3 hours) AND/OR BUS 265: Business Communications (3 hours) AND/OR BUS 386: Principles of Real Estate (3 hours) AND/OR ECON 256: Microeconomics Principles (3 hours)

## Minor in Economics

### Degree Requirements

A minimum 18 credits from the following:

- ECON 201: Econ & Today's Society GT-SS1 (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)
- ECON 256: Microeconomics Principles (3 hours)
- ECON 425: Economic Policy (3 hours)
- ECON 433: Managerial Economics (3 hours)
- BUS 373: Investment Analysis (3 hours)
- BUS 378: Commodities/Risk Management (3 hours)
- BUS 383: Int'l Financial Mgmt (3 hours)
- BUS 307: Managerial Cost Accounting I (3 hours)

- BUS 320: Bus Computer Applications II (3 hours)
- BUS 355: Individual Income Taxation (4 hours)
- BUS 414: Commercial Banking (3 hours)
- BUS 416: Business Financial Problems (3 hours)
- BUS 466: Bus Ethics Decision Making (3 hours)
- BUS 498: World Food Distrb/Ag Economics (3 hours)
- HCA 455: Health Care Economics (3 hours)

**Plus 3 hours of a 300- or 400-level business elective**

## Minor in Finance

### Degree Requirements

A minor in finance requires 18 hours in business and/or economics, of which a minimum of 15 must be in finance.

- BUS 363: Managerial Finance (3 hours)
- BUS 367: Financial Analysis (3 hours)
- BUS 368: Financial Institutions (3 hours)
- BUS 373: Investment Analysis (3 hours)
- BUS 383: Int'l Financial Mgmt (3 hours)
- BUS 414: Commercial Banking (3 hours)
- BUS 416: Business Financial Problems (3 hours)
- BUS 426: Money & Capital Markets (3 hours)
- BUS 431: Technical Analysis of Stock Trends (3 hours)
- BUS 432: Series 7 Securities Review (3 hours)
- BUS/ECON 300/400 Elective (3 hours)

## Minor in Health Care Administration

### Degree Requirements

A minor in Health Care Administration requires five of the following courses, plus three elective credit hours in business, economics, or nursing, for a total of 18 credit hours.

#### Completion of 5 of the following (15 credits):

- HCA 303: Health Care Administration (3 hours)
- HCA 305: Health Care Marketing (3 hours)
- HCA 311: Health Care Law & Ethics (3 hours)
- HCA 312: Health Care Med Terminology (3 hours)
- HCA 325: Health Care Information System (3 hours)
- HCA 363: Health Care Finance (3 hours)
- HCA 381: Health Care Admin Internship (3 hours)

- HCA 402: Epidemiology (3 hours)
- HCA 455: Health Care Economics (3 hours)
- HCA 462: Quality Mgmt in Health Care (3 hours)
- HCA 480: Health Care Policy (3 hours)

#### Plus one of the following (3 credits):

BUS/ECON/NURS, 300-400 level course

## Minor in International Business

### Degree Requirements

#### Minimum of 15 hours from the following:

- BUS 335: Consumer Behavior (3 hours)
- BUS 363: Managerial Finance (3 hours)
- BUS 383: Int'l Financial Mgmt (3 hours)
- BUS 425: Systems Analysis (3 hours)
- BUS 498: World Food Distrb/Ag Economics (3 hours)
- BUS 441: International Marketing (3 hours)

**Plus a 3-hour course from political science, history or languages in consultation with advisor**

## Minor in Management

### Degree Requirements

A minor in management requires 18 hours in business and/or economics, of which a minimum of 15 must be in management.

#### Minimum of 15 hours from the following:

- BUS 315: Sales and Sales Management
- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 362: Human Resource Management (3 hours)
- BUS 365: Small Bus Mngmnt/Entrepreneur (3 hours)
- BUS 401: Organizational Behavior (3 hours)
- BUS 418: Leadership Strategies (3 hours)
- BUS 419: Organizational Change/Develop (3 hours)
- BUS 466: Bus Ethics Decision Making (3 hours)
- BUS 467: Creativity and Innovation (3 hours)
- BUS 468: New Business Venturing (3 hours)
- BUS 480: Global Business Strategies (3 hours)

**Plus 3 hours of business or economics courses, 300-400 level**

## Minor in Marketing

### Degree Requirements

#### Minimum of 15 credit hours from the following:

- BUS 304: Principles of Marketing (3 hours)
- BUS 315: Sales and Sales Management (3 hours)
- BUS 335: Consumer Behavior (3 hours)
- BUS 345: Advertising (3 hours)
- BUS 356: Retailing (3 hours)
- BUS 385: Sports Marketing (3 hours)
- BUS 441: International Marketing (3 hours)
- BUS 448: Interactive/Social Media Marketing (3 hours)
- BUS 449: Marketing in the 21st Century (3 hours)
- BUS 454: Market Research & Information (3 hours)
- BUS 460: Marketing Management (3 hours)
- HCA 305: Health Care Marketing (3 hours)

Plus 3 credit hours of business or economics courses, 300-400 level

## Minor in Music Business

### Degree Requirements

- BUS 103: Introduction to Business (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 361: Principles of Management (3 TO 4 hours)
- BUS 365: Small Bus Mngmnt/Entrepreneur (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)

Optional class:

- BUS 265: Business Communications (3 hours)
- BUS 362: Human Resource Management (3 hours)
- BUS 401: Organizational Behavior (3 hours)

## Minor in Taxation

### Degree Requirements

A minor in Taxation requires a minimum of 18 hours from the list below, completed with a grade of C- or T or better.

#### A minimum 18 credits from the following:

- BUS 355: Individual Income Taxation (4 hours)

- BUS 371: Payroll Accounting & Taxation (3 hours)
- BUS 377: Agricultural Taxation (3 hours)
- BUS 455: Entity Taxation (4 hours)
- BUS 465: Estate Gifts & Fiduciary Tax Law (3 hours)
- BUS 358: Accounting Ethics (3 hours)
- BUS 381/481: Business Internship I or II\* (1 TO 3 hours)
- BUS 179/379: Volunteer Income Tax Assistance \*\* (1 TO 3 hours)

\*The internship placement must be approved by accounting faculty.

\*\*A maximum of 3 credit hours may be applied to the Taxation minor.

# Chemistry

The Chemistry Program offers the following degree programs: Bachelor of Arts degree in chemistry, Bachelor of Arts degree in chemistry (science education), Bachelor of Arts degree in chemistry for allied health professions, and Bachelor of Science degrees in chemistry, biochemistry, and chemical physics. The secondary teacher licensure program qualifies a student for a Colorado standard teaching license in science education. The department prepares chemistry majors for graduate schools, the medical or paramedical arts, industrial and government positions, and teaching.

## Department Faculty

### Chairperson

Christy Miller Ph.D.

### Professors

- Christy Miller, Ph.D.
- Frank Novotny, Ph.D.
- Chris Adams, Ph.D.

### Associate Professors

- Umesh Bhattarai

## Bachelor of Arts in Chemistry

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Completion of the following required courses:

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- CHEM 331: Analytical Chemistry (3 hours)
- CHEM 331L: Analytical Chemistry Lab (2 hours)
- CHEM 332: Analytical Chemistry (3 hours)
- CHEM 332L: Analytical Chemistry Lab (2 hours)
- CHEM 431: Phys Chem Lec/Thermodynamics (3 hours)
- CHEM 432: Phys Chem Lec/Quantum Mechanics (3 hours)
- CHEM 433: Physical Chemistry Laboratory (2 hours)
- CHEM 434: Physical Chemistry Laboratory (2 hours)
- CHEM 471: Chemistry Seminar (1 hours)
- CHEM 472: Chemistry Seminar Continuation (1 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)

### The following physics sequence:

- PHYS 225: College Physics I GT-SC1 (5 hours) AND PHYS 226: College Physics II (5 hours)
- OR
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours) AND PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

### The following course combination is recommended:

- CHEM 334: Environmental Chemistry (3 hours)
- CHEM 334L: Environmental Chemistry Lab (1 hours)

## Bachelor of Arts in Chemistry, Allied Health Professions

This degree is not appropriate for those planning a career in chemistry but is intended for students entering professional school in the health professions.

## Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses:**

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- CHEM 331: Analytical Chemistry (3 hours)
- CHEM 331L: Analytical Chemistry Lab (2 hours)
- CHEM 332: Analytical Chemistry (3 hours)
- CHEM 332L: Analytical Chemistry Lab (2 hours)
- CHEM 401: Biochemistry (3 hours)
- CHEM 401L: Biochemistry Lab (1 hours)
- CHEM 402: Biochemistry II (3 hours)
- CHEM 471: Chemistry Seminar (1 hours)
- CHEM 472: Chemistry Seminar Continuation (1 hours)

**Either of the following mathematics sequences:**

- MATH 106: College Algebra GT-MA1 (3 hours) AND MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- OR
- MATH 120: Single Var Calculus I GT-MA1 (5 hours) AND MATH 121: Calculus II GT-MA1 (5 hours)

**The following physics sequence:**

- PHYS 225: College Physics I GT-SC1 (5 hours) AND PHYS 226: College Physics II (5 hours)
- OR
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours) AND PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

**A minor in biology is required.**

## Bachelor of Arts in Chemistry, Science Education with Secondary Teacher Licensure

The secondary teacher licensure program qualifies a student for a Colorado standard teaching license in science education.

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses:**

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- CHEM 331: Analytical Chemistry (3 hours) AND CHEM 331L: Analytical Chemistry Lab (2 hours)

- CHEM 334: Environmental Chemistry (3 hours)  
AND CHEM 334L: Environmental Chemistry Lab (1 hours)
- (or other environmental course approved by department chair)
- CHEM 471: Chemistry Seminar (1 hours)
- CHEM 472: Chemistry Seminar Continuation (1 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- BIOL 101: Introductory Biology GT-SC1 (4 hours)
- GEOL 111: Physical Geology – GT-SC1 (4 hours)
- ED 350: Methods/Teaching Science-Sec (3 hours)

**Either year-long physics sequence:**

- PHYS 225: College Physics I GT-SC1 (5 hours)  
AND PHYS 226: College Physics II (5 hours)
- OR
- PHYS 230: General Physics I GT-SC1 (4 hours)  
AND PHYS 231: General Physics I Lab GT-SC1 (1 hours) AND PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

**The following courses are highly recommended:**

- CHEM 332: Analytical Chemistry (3 hours)  
AND CHEM 332L: Analytical Chemistry Lab (2 hours)
- CHEM 461: Inorganic Chemistry (3 hours)
- CHEM 461L: Inorganic Chemistry Lab (1 hours)
- CHEM 431: Phys Chem Lec/Thermodynamics (3 hours)

**Completion of the secondary teacher licensure requirements.**

Bachelor of Arts with Secondary Education Licensure

Note: The program of study is very specific requiring close counseling with your advisor to assure timely graduation.

**Bachelor of Science in Chemistry**

**Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120**

**credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses:**

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- CHEM 331: Analytical Chemistry (3 hours)
- CHEM 331L: Analytical Chemistry Lab (2 hours)
- CHEM 332: Analytical Chemistry (3 hours)
- CHEM 332L: Analytical Chemistry Lab (2 hours)
- CHEM 431: Phys Chem Lec/Thermodynamics (3 hours)
- CHEM 432: Phys Chem Lec/Quantum Mechanics (3 hours)
- CHEM 433: Physical Chemistry Laboratory (2 hours)
- CHEM 434: Physical Chemistry Laboratory (2 hours)
- CHEM 471: Chemistry Seminar (1 hours)
- CHEM 472: Chemistry Seminar Continuation (1 hours)
- CHEM 401: Biochemistry (3 hours)
- CHEM 401L: Biochemistry Lab (1 hours)
- CHEM 461: Inorganic Chemistry (3 hours)
- CHEM 461L: Inorganic Chemistry Lab (1 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)

- MATH 220: Multivariable Calculus (4 hours)  
OR MATH 327: Differential Equations (3 hours)
- PHYS 230: General Physics I GT-SC1 (4 hours)
- PHYS 231: General Physics I Lab GT-SC1 (1 hours)
- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours)
- PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

**The following courses are recommended:**

- CHEM 216: Glassblowing (1 hours)
- CHEM 424: Advanced Organic Chemistry (3 hours)
- CHEM 445: Polymer Chemistry (3 hours)
- CHEM 334: Environmental Chemistry (3 hours)
- CHEM 334L: Environmental Chemistry Lab (1 hours)
- ECON 255: Principles of Economics I (3 hours)
- MATH 321: Linear Algebra (3 hours)
- PHYS 300: Electronics & Microcontrollers (4 hours)

Notes: Students planning graduate work in biochemistry or biology should take CHEM 401 and 402. Taking both is highly recommended for students going to graduate school in either field. For students oriented in the physical or theoretical areas of chemistry, both MATH 220 and 327 are recommended.

## Bachelor of Science in Biochemistry

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses:**

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 322: Organic Chemistry (4 hours)
- CHEM 322L: Organic Chemistry Lab (1 hours)
- CHEM 331: Analytical Chemistry (3 hours)
- CHEM 331L: Analytical Chemistry Lab (2 hours)
- CHEM 332: Analytical Chemistry (3 hours)
- CHEM 332L: Analytical Chemistry Lab (2 hours)
- CHEM 401: Biochemistry (3 hours)
- CHEM 401L: Biochemistry Lab (1 hours)
- CHEM 402: Biochemistry II (3 hours)
- CHEM 431: Phys Chem Lec/Thermodynamics (3 hours)
- CHEM 433: Physical Chemistry Laboratory (2 hours)
- CHEM 461: Inorganic Chemistry (3 hours)  
AND CHEM 461L: Inorganic Chemistry Lab (1 hours) OR BIOL 476: Molecular Biology (4 hours)
- CHEM 471: Chemistry Seminar (1 hours)
- CHEM 472: Chemistry Seminar Continuation (1 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)  
AND PHYS 226: College Physics II (5 hours) OR PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours) AND PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)
- BIOL 209: General Biology I GT-SC1 (5 hours)
- BIOL 210: General Biology II GT-SC1 (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 323: Cellular Biology (3 hours)
- BIOL 325: Cellular Biology/Genetics Lab (1 hours)

### Minor in Chemistry with Elementary Education Licensure

Eighteen hours selected in consultation with the coordinator of the program. Either CHEM 111 or 131 may be selected but not both courses.

## Minor in Chemistry

Completion of at least 18 semester hours, including CHEM 131 and 132 and a one-year sequence of upper-division chemistry. The minor must be approved by the coordinator of the chemistry program.

## Communication Media

The Communication and Media Studies major encourages you to apply reading, writing and critical thinking skills within a multimedia environment. Through coursework, student media groups, and hands-on projects, you'll examine and appraise different media, including written, studio, and video materials. You'll have access to broadcasting equipment and video-editing software and equipment, as well as opportunities to work for the The Paw Print student newspaper, KASF-FM student radio and more.

Upon graduation, you'll demonstrate competence in a variety of media forms and techniques. The skills and knowledge you gain at Adams State will prepare you for many career paths, broadcasting, video production, social media, graduate school, and a variety of other communication-oriented careers.

### Department Faculty

#### Chairperson

- Beth Bonnstetter, Ph.D.

#### Professors

- Beth Bonnstetter, Ph.D

#### Assistant Professors

- Amanda LeBlanc, Ph.D., visiting

## Bachelor of Arts in Communication and Media Studies

### Degree Requirements

**Completion of the General Studies Requirements for the Bachelor of Arts Degree.**

**Completion of the Communication Requirements (45 credit hours):**

- SPCH 100: Speech Fundamentals (3 hours)
- COMM 255: Fundamentals of Media Communication (3 hours)
- COMM 230: Media Writing (3 hours)
- COMM 280: Visual Rhetoric (3 hours)
- COMM 293: Media Practicum (3 hours)
- COMM 345: Business of Radio & TV (3 hours)
- COMM 350: Media Theory and Criticism (3 hours)
- COMM 355: Public Relations & Strategic Communication (3 hours)



- COMM 425: Media Research Methods (3 hours)
- COMM 430: Diversity in Media (3 hours)
- COMM 457: First Amendment & Copyright (3 hours)
- BUS 448: Social Media Marketing/Interactive Marketing (3 hours)
- COMM 495: Communication Capstone

- COMM 430: Diversity in Media (3 hours)
- COMM 457: First Amendment & Copyright (3 hours)
- COMM 496: Communication Internship (3 hours)

**Choose two of the following (6 credit hours):**

- AR 202: InDesign (3 hours)
- AR 310: Photoshop\* (3 hours)
- BUS 265: Business Communication (3 hours)
- BUS 304: Marketing\* (3 hours)
- BUS 345: Advertising\* (3 hours)
- BUS 385: Sports Marketing (3 hours)
- BUS 468: Marketing in the 21st Century\* (3 hours)
- COMM 379: Special Topics (3 hours)
- COMM 496: Communication Internship (3 hours)

\*May require prerequisite

**A portfolio of the student's work must be submitted during the senior year.**

Guidelines for assembling the portfolio and deadlines for submission are available from the department chair, the student placement and assessment coordinator, or the major advisor.

**A minor in an area of specialization is recommended.**

## **Bachelor of Arts in Media Industry and Communication, Online-Only**

### **Degree Requirements**

**Completion of the General Studies Requirements for the Bachelor of Arts Degree.**

**Completion of the Communication requirements (42 hours):**

- COMM 100: Public Speaking (3 hours)
- COMM 255: Fundamentals of Media Communication (3 hours)
- COMM 230: Media Writing (3 hours)
- BUS 265: Business Communication (3 hours)
- COMM 293: Media Practicum (3 hours)
- COMM 327: Social Media (3 hours)
- COMM 345: Business of Radio & TV (3 hours)
- COMM 355: Public Relations & Strategic Communication (3 hours)
- COMM 365: Digital Filmmaking (3 hours)
- COMM 380: Spanish Media (3 hours)
- COMM 425: Media Research Methods (3 hours)

**An E-Portfolio of the student's work must be submitted during the senior year.**

- Guidelines for assembling the portfolio and deadlines for submissions are available from the department chair, the program coordinator or major advisor.

**A minor in an area of specialization is recommended.**

- A minor in business or marketing is especially recommended.

**Students must have at least 42 credit hours in 300 or 400 level courses to graduate.**

**Students must take the online interdisciplinary first year seminar and capstone.**

## **Bachelor of Arts in Public Relations**

### **Degree Requirements**

**Completion of the General Studies Requirements for the Bachelor of Arts degree.**

**Completion of the Communication requirements (45 hours):**

- SPCH 100: Speech Fundamentals (3 hours)
- BUS 103: Introduction to Business (3 hours)
- COMM 230: Media Writing (3 hours)
- COMM 255: Fundamentals of Media Communication (3 hours)
- BUS 265: Business Communication (3 hours)
- BUS 318: Business Statistics (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 345: Advertising (3 hours)
- COMM 345: Business of Radio & TV (3 hours)
- COMM 355: Public Relations & Strategic Communication (3 hours)
- BUS 448: Social Media Marketing/Interactive Marketing (3 hours)
- COMM 425: Media Research Methods (3 hours)
- BUS 468: Marketing in the 21st Century (3 hours)
- COMM 495: Communication Capstone (3 hours)

**Choose one of the following (3 hours):**

- COMM 280: Visual Rhetoric (3 hours)
- COMM 293: Media Practicum (3 hours)

- BUS 381: Business Internship (3 hours)
- COMM 430: Diversity in Media (3 hours)
- COMM 457: First Amendment & Copyright (3 hours)
- COMM 496: Mass Communication Internship (3 hours)

**A portfolio of the student's work must be submitted during the senior year.**

Guidelines for assembling the portfolio and deadlines for submission are available from the department chair, the student placement and assessment coordinator, or the major advisor.

**A minor in an area of specialization is recommended. Students must have at least 42 credit hours in 300 or 400 level courses to graduate.**

## ***Computer Science***

The Computer Science Program at Adams State offers a full range of courses for both majors and non-majors designed to prepare you to work in a challenging, creative, and intellectually stimulating field with outstanding opportunities for employment and advancement. Students can obtain a Bachelor of Science degree in mathematical sciences with emphasis in computer science. Computer Science students are encouraged to be a part of ACME (Adams State Computer Science, Mathematics and Engineering Club) and the Robotics Club.

### **Department Faculty**

#### **Chairperson**

- Christy Miller, Ph.D.

#### **Assistant Professors**

- George Sellman, M.S.

## **Bachelor of Science in Mathematical Sciences, Computer Science Emphasis**

### **Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### **Completion of the following required courses:**

- MATH 120: Calculus I GT-MA1 (5 hours)
- MATH 121: Calculus II GT-MA1 (5 hours)
- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 321: Linear Algebra (3 hours)
- CSCI 240: Introduction to Cybersecurity (4 hours)

- CSCI 104: Fundamentals of Programming (3 hours)
- CSCI 205: Computer Science I (4 hours)
- CSCI 206: Computer Science II (4 hours)
- CSCI 224: Discrete Concepts (4 hours)
- CSCI 307: Prgmrng Languages & Platforms (3 hours)
- CSCI 317: Computer System & Architecture (4 hours)
- CSCI 325: Algorithm Design & Analysis (3 hours)
- CSCI 328: Artfci Intelgnce/Machine Lrng (3 hours)
- CSCI 335: Networking (4 hours)
- CSCI 341: Web Design (3 hours)
- CSCI 343: Database Systems (3 hours)
- CSCI 347: Softwre Dvlpmnt/Prof Practc I (2 hours)
- CSCI 348: Softwre Dvlpmnt/Prof Practc II (2 hours)
- CSCI 418: Multiprocessor Computing (3 hours)
- CSCI 471: Senior Capstone I (1 hours)
- CSCI 472: Senior Capstone II (1 hours)

**Completion of required support courses:**

- ENG 226: Basic Grammar & Hist:English (3 hours)
- ENG 357: Introduction to Linguistics (3 hours)  
OR ENG 363: Advanced Composition (3 hours)
- OR
- One year of foreign language

**Minor in Computer Science**

**Degree Requirements**

- CSCI 205: Computer Science I (5 hours)
- CSCI 206: Computer Science II (3 hours)

**A minimum 12 credits from the following:**

- CSCI 224: Discrete Concepts (3 hours)
- CSCI 307: Prgmrng Languages & Platforms (3 hours)
- CSCI 316: Computer Architecture (3 hours)
- CSCI 317: Computer Operating Systems (4 hours)
- CSCI 325: Algorithm Design & Analysis (3 hours)
- CSCI 328: Artfci Intelgnce/Machine Lrng (3 hours)
- CSCI 418: Multiprocessor Computing (3 hours)
- CSCI 435: Advanced Networking (3 hours)

**Counselor Education**

The Department of Counselor Education offers a doctoral degree in counselor education and supervision and master’s programs in clinical mental health counseling and school counseling. The master’s programs are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).\* The Master of Arts degree in Counseling is a 60-credit-hour program with areas of emphasis in school counseling or clinical mental health counseling. The clinical mental health counseling program meets state academic requirements for those seeking Licensed Professional Counselor (LPC) status. The school counseling program meets the academic requirements for those seeking the Colorado K-12 school counselor licensure.

The Counselor Education Program is designed to serve all students interested in a quality education. In particular, it focuses on the needs of students from diverse ethnic and socioeconomic backgrounds within rural Colorado. The Counselor Education Program provides an excellent educational experience by creating a supportive and challenging environment that integrates personal and professional growth for students. Through the use of research and applied experiential learning, students will develop a solid knowledge base, comprehensive skills, and an ability to self-challenge. The program develops competent counselors who are proactive, ethical, and capable of recognizing and affirming the diversity of people, ideas, and values. They will be persons of integrity who will be advocates for individual and societal growth. They will have the sensitivity, flexibility, and knowledge to serve the needs of diverse populations. They will be capable of developing collaborative relationships with community agencies, organizations, public schools, and families in rural and urban centers.

\*Both the clinical mental health counseling and school counseling tracks are CACREP accredited in all delivery models Adams State University uses (on-campus and online).

**Department Faculty**

**Chairperson**

- Mark Manzanares, Ph.D.

**Professors**

- Laura Bruneau, Ph.D.
- Mark Manzanares, Ph.D.
- Cheri Meder, Ph.D.

## Associate Professors

- Courtney Allen, Ph.D.
- Neil Rigsbee, Ph.D.
- Penny Sanders, Ph.D.
- Jared Thiemann, Ph.D.

## Clinical Faculty

- Sherie Hawkins, Ph.D.
- Angel Knoverek Ph.D.
- Theresa O'Halloran, Ph.D.
- Blaine Reilly, Ph.D.
- Mark Vander Ley, Ph.D.

## Doctor of Philosophy in Counselor Education and Supervision

### The Ph.D. in Counselor Education and Supervision at Adams State University prepares graduates to:

- Work as counselor educators and supervisors, researchers and practitioners in academic and clinical settings.
- Extend the knowledge base of the counseling profession in a climate of scholarly inquiry.
- Publish and/or present the results of scholarly inquiry.
- Inform professional practice by generating new knowledge for the profession through dissertation or comparable research projects focused on areas relevant to counseling practice, counselor education, and/or supervision.
- Assume positions of leadership in the counseling profession and/or their area(s) of specialization.

### Counselor Education and Supervision students at Adams State University will be:

- Prepared to teach select courses in counseling skill, theory, ethics, research, assessment, group, supervision, instructional theory, and career.
- Knowledgeable and skilled in the practice of advanced clinical counseling.
- Knowledgeable and competent in cultural diversity.
- Experienced in online course development, delivery, and counseling supervision.
- Prepared to teach courses in the CACREP core.
- Prepared to supervise counselors and counseling students who provide individual and group counseling.

- Experienced in developing and conducting research.
- Experienced in presenting research results at state, regional, and national conferences.
- Experienced in writing for professional publications.
- Prepared to evaluate counselor education programs and clinical counseling sites.
- Experienced as professional counseling leaders, mentors, practitioners, and consultants.
- Experienced as active change advocates.

## Admission Requirements

- Admission to the Counselor Education doctoral program is competitive but does not guarantee graduation or state specific licensure. Specifically, applicants and admitted students are required to attend in person: (1) all scheduled selection interviews; (2) new student orientation; (3) and summer residencies. Failure to attend will result in program dismissal.
- Applications must be email verified as complete no later than December 3. The processing of applications can take several weeks depending on receipt of official transcripts and other required application materials.

## Application Timeline:

- December 3: Deadline for Application Materials to be verified
- December 14: Interview invitations distributed
- January 31: On-campus interviews (in person)
- February 18: Admission decision notifications distributed
- May 29 and 30: On-campus new Ph.D. student orientation (in person)
- August 19: fall semester courses begin

## Required Admission Documents:

A candidate who is interested in enrolling at Adams State University to pursue a Doctorate of Philosophy (Ph.D.) in Counselor Education and Supervision must:

1. Complete the [online application for admission](#) (application type #10)
2. Pay the \$45 non-refundable application fee during the online application process.
3. Submit ALL supplemental admission documents online: [Online submission of supplemental admission documents](#)

## These documents include:

1. A letter of intent answering:
  1. Why are you pursuing a doctoral degree in Counselor Education and Supervision?
  2. What professional experience do you have?
  3. What leadership experience do you have?
  4. What are your plans for applying your education following graduation?
2. Current Resume/Curriculum Vitae
3. [Three \(3\) Reference Request Forms](#) from individuals who can attest to your abilities for successful doctoral study. References can choose to send their form directly to you OR they can submit them directly to the ASU Office of Graduate Studies to the email or mailing address below OR contact information from associates who can speak to the applicant's academic strengths and potential.
4. Official Graduate Record Examinations (GRE) test score report from ETS with an earned score in Verbal Reasoning, Quantitative Reasoning, AND a 3.5 or higher on Analytical Writing section. GRE scores need to be no more than 5 years old from the date of application to program.
5. Send ALL (undergraduate and graduate) official transcripts from previously attended institutions. Transcripts from ASU need not be requested. Unofficial transcripts will not be accepted. International transcripts must be evaluated by an approved international credential evaluator. Please have all official transcripts sent directly from the institutions to:  
[graduatestudies@adams.edu](mailto:graduatestudies@adams.edu) (for electronic official transcripts) OR Adams State University Office of Graduate Studies, Suite 2300, 208 Edgemont Blvd., Alamosa, CO 81101
6. Download and read the latest [Ph.D. Counselor Education and Supervision Student Handbook](#).

## Selection Criteria for Doctoral Study

In addition to the general requirements of the Graduate School, persons applying for admission to the Doctor of Philosophy (Ph.D.) program in Counselor Education and Supervision must meet the following criteria for selection. Applicants must have:

- A master's degree from a CACREP accredited program and be license eligible in their state of residence or a master's degree in counseling,

one year of full-time post-master's degree counseling experience, graduate course work curriculum requirements in all of the CACREP common core areas. Doctoral students who have earned their master's degree from a CACREP accredited program will be assumed to have entry level knowledge in core and major course areas. Those not graduating from a CACREP accredited program will have their transcripts evaluated by a faculty advisor to determine CACREP core knowledge base deficiencies. A remediation plan of study will be developed and approved by the faculty as necessary.

- GPA of 3.0 or higher from completed master's degree.
- Submitted official transcripts for ALL undergraduate and graduate coursework.
- Submitted Graduate Record Examination (GRE) scores (including an earned score in Verbal Reasoning, Quantitative Reasoning, and a 3.5 or higher on the Analytical Writing section).
- Submitted three Reference Request forms.
- Completed an on-campus interview with the ASU Counselor Education admission committee.

The admission committee will make the final decision regarding admission. This decision will include at a minimum: (1) academic aptitude for doctoral-level study; (2) previous professional experience; (3) fitness for the profession, including self-awareness and emotional stability; (4) oral and written communication skills, and (5) potential for scholarship, professional leadership, and advocacy.

## Degree Requirements

The Doctor of Philosophy program in Counselor Education and Supervision requires a minimum of 66 semester hours as described below. However, the order of the course offering is subject to change. Students must enter the doctoral program with a master's degree in counseling from a CACREP accredited program. If the student's degree is from a non-CACREP program, additional hours will be assessed.

- COUN 705: Advanced Theories and Career (3 hours)
- COUN 708: Quantitative Research Methods (3 hours)
- COUN 710: Supervision and Consultation (3 hours)
- COUN 712: Qualitative Research Methodology (3 hours)

- COUN 715: Advanced Multicultural & Ethical Issues (3 hours)
- COUN 717: Instructional Theory in Coun Ed (3 hours)
- COUN 720: Advanced Group Counseling (3 hours)
- COUN 722: Data Analysis (3 hours)
- COUN 725: Seminar in Counselor Education (3 hours)
- COUN 727: Advanced Practicum Counseling (3 hours)
- COUN 729: Seminar: Leadership & Advocacy (3 hours)
- COUN 731: Advanced Assessment (3 hours)
- COUN 733: Seminar: Program Eval & Grant Writing (3 hours)
- COUN 736: Dissertation Seminar (3 hours)
- COUN 737: Doctoral Intern I-Supervision (1 hours)
- COUN 738: Doctoral Internship II Teaching (1 hours)
- COUN 739: Doctoral Internship III Supv (1 hours)
- COUN 740: Doctoral Internship IV – Core (3 hours)
- COUN 741: Doctoral Internship V Teaching (1 hours)
- COUN 742: Doctoral Intern VI-Supervision (1 hours)
- COUN 744: Dissertation I (3 hours)
- COUN 746: Dissertation II (3 hours)
- COUN 751: Dissertation III (3 hours)
- COUN 755: Dissertation IV (3 hours)

**PROGRAM TOTAL (62 hours)**

- COUN 756: Dissertation Continuation (1 hours)

**Master of Arts in Counseling**

The Master of Arts in Counseling is offered in two delivery modalities.

- On-campus Program: on the Alamosa campus during the regular academic year. Students must enroll in the fall semester to be included in these programs.
- Online Program: This program is designed to meet the educational needs of those students who are not within driving distance of a counseling program or whose work schedule will not allow physical attendance. Some courses are offered at a specific time during the week through the use of a two-way interactive

audio chat. Students can access the two-way interactive audio chat from home. Other online courses are text-based and asynchronous. The online program offers the same course content as the other accredited programs Adams State University offers, only in an online format. Students in the online program will spend one week on the Adams State campus during the two consecutive summers in the program. During these weeks, students will interact with the faculty on campus and further develop their counseling and interpersonal skills, form learning groups, become acquainted with the program and its expectations, and receive tutoring, advising, and intensive supervision.

**The degree programs in school and clinical mental health counseling require a minimum of 60 semester hours as described below. However, the order of the course offering is subject to change.**

- COUN 503: Intro to Research (3 hours)
- COUN 515: Multicult & Diversity Issues (3 hours)
- COUN 517: Life Span Development (3 hours)
- COUN 524: Coun Theors & Hlp Relationship (3 hours)
- COUN 527: Group Counseling (3 hours)
- COUN 528: Career Development (3 hours)
- COUN 530: Couple/Family/System Counseling (3 hours)
- COUN 536: Pre-Practicum (3 hours)
- COUN 537: Practicum (3 hours)
- COUN 546: Assessment in Counseling (3 hours)
- COUN 549: Foundations Addict Counseling (3 hours)
- COUN 550: Ethics & Professional Issues (3 hours)
- COUN 538: Crisis, Disaster, and Trauma (3 hours)

**Completion of requirements for one of the following emphases:**

**Clinical Mental Health Counseling:**

- COUN 542: Diagnosis and Psychopathology (3 hours)
- COUN 555: Clinical Mntl Hlth Counseling (3 hours)
- COUN 554: Coun Mods for Clin Ment Hlth (3 hours)
- COUN 585: Intern I Clinic Mental Health (3 hours)
- COUN 595: Intern II Clinical Mental Hlth (3 hours)

- Plus six hours of electives

**School Counseling Program:**

- COUN 540: Fdn of School Counseling (3 hours)
- COUN 541: Comp School Counseling (3 hours)
- COUN 534: Coun Modalities Sch Setting (3 hours)
- COUN 551: Prof School Counseling Issues (3 hours)
- COUN 586: Intern I-Professional School (3 hours)
- COUN 596: Intrnshp II- School Counseling (3 hours)
- Plus three hours of electives

## *English*

The Department of English, Theatre and Communication prepares students to communicate in a new century.

The English program offers a variety of emphases that ready students to engage the world on a number of different levels. The liberal arts emphasis provides a rich and broad study in literature, criticism, and effective writing. This knowledge prepares students for graduate studies or careers in business, government, and more specialized fields such as public relations and advertising. The mass communication emphasis prepares students to enter the exciting world of print or broadcast journalism; students gain real-world experience working on the student newspaper or the campus radio station. The secondary education emphasis, a combined degree with teacher education, prepares students to teach English at the high school level. The creative writing emphasis is the newest in the program. It allows students to explore their creativity while learning to write for many different audiences in many different genres.

### **Department Faculty**

#### **Chairperson**

- Beth Bonnstetter, Ph.D.

#### **Professors**

- Beth Bonnstetter, Ph.D.

#### **Assistant Professors**

- Jessica Brown, Ph.D.
- Lynnea King, Ph.D.
- Amanda LeBlanc, Ph.D., visiting

#### **Instructors**

- Kathleen Chavez, M.A.
- Michelle LeBlanc, M.F.A.

## **Bachelor of Arts in English, Creative Writing**

### **Degree Requirements**

#### **Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.

- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the Core Literature Requirements (21 hours):**

- ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours)
- ENG 458: Modern Poetry (3 hours)
- ENG 460: Reading Short Prose (3 hours)
- ENG 480: Contemporary Literary Theory (3 hours)
- Plus nine credits of upper division literature courses

**Completion of the Core Creative Writing Requirements (21 Hours):**

- ENG 214: Oral Interpret and Performance (3 hours)
- ENG 227: Intro to Creative Writing (3 hours)
- ENG 326: CW Poetry Workshop I (3 hours)
- ENG 327: Fiction Workshop I (3 hours)
- ENG 328: Creative Nonfiction I (3 hours)
- ENG 497: Capstone Writing Workshop (3 hours)

**Plus one of the following three advanced workshop courses:**

- ENG 323: Introduction to Memoir (3 hours)
- ENG 324: The Prison Memoir (3 hours)
- ENG 325: Women and Memoir (3 hours)
- ENG 426: Poetry Workshop II (3 hours)
- ENG 427: Fiction Workshop II (3 hours)
- ENG 428: Creative Nonfiction II (3 hours)

**Completion of three credits of other writing courses/workshops (3 hours):**

- COMM 275: News Writing and Criticism (3 hours)
- COMM 340: Citizen Journalism & Freelance Writing (3 hours)
- ENG 363: Advanced Composition (3 hours)
- THTR 352: Playwriting (3 hours)
- OR
- Summer writing workshops

**Bachelor of Arts in English, Liberal Arts**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Required Core**

- ENG 203: Major Themes in Lit GT-AH2 (3 hours)
- ENG 226: Basic Grammar & Hist:English (3 hours)
- ENG 363: Advanced Composition (3 hours)
- ENG 403: Shakespeare (3 hours)
- ENG 394: American Literature I (3 hours)
- ENG 480: Contemporary Literary Theory (3 hours)
- ENG 495: Senior Seminar (3 hours)

**Choose one of the following:**

- ENG 309: British Literature I (3 hours)
- ENG 407: Chaucer (3 hours)
- ENG 409: Renaissance Literature (3 hours)

**Choose one of the following:**

- ENG 310: British Literature II (3 hours)
- ENG 350: 20-21st Century Brit/Anglophone Lit (3 hours)
- ENG 450: Romantic and Victorian Literature (3 hours)

**Choose one of the following:**

- ENG 395: American Literature II (3 hours)
- ENG 443: 20th Century American Novel (3 hours)
- ENG 458: Reading Poetry (3 hours)
- ENG 475: Problems in American Studies (3 hours)

**Choose one of the following:**

- ENG 311: World Literature I (3 hours)
- ENG 358: Bible as Literature (3 hours)
- ENG 359: Mythology (3 hours)

**Choose one of the following:**

- ENG 329: Women and Drama (3 hours) OR THTR 329: Women and Drama (3 hours)
- ENG 312: World Literature II (3 hours)



- ENG 365: Ethnic & Minority Literature (3 hours)
- ENG 375: Chicano Literature (3 hours)
- ENG 385: Women and Literature (3 hours)

**Choose one of the following:**

- ENG 320: Literature & Sexualities (3 hours)
- ENG 355: The Novel (3 hours)
- ENG 357: Introduction to Linguistics (3 hours)
- ENG 460: Reading Short Prose (3 hours)
- ENG 465: Modern Drama (3 hours) OR THTR 465: Modern Drama (3 hours)
- ENG 470: Classical Drama (3 hours) OR THTR 470: Classical Theatre (3 hours)
- ENG 472: Contemporary Drama (3 hours) OR THTR 472: Contemporary Theatre (3 hours)
- ENG 479: Special Topics (1 TO 6 hours)
- ENG 490: Major Authors (3 hours)

**A portfolio of the student's work in the major must be submitted during the senior year.**

Guidelines for assembling the portfolio and deadlines for submission are available from the department head or the major advisor.

**Bachelor of Arts in English, Secondary Teacher Licensure**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the secondary teacher licensure requirements.**

Bachelor of Arts with Secondary Education Licensure

**Completion of the following required courses:**

- ENG 203: Major Themes in Lit GT-AH2 (3 hours)
- ENG 226: Basic English Grammar (3 hours)
- ENG 227: Intro to Creative Writing (3 hours)

- ENG 309: British Literature I (3 hours)
- ENG 310: British Literature II (3 hours)
- ENG 314: Adolescent Literature (3 hours)
- ENG 316: Methods/English in Sec School (3 hours)
- ENG 357: Introduction to Linguistics (3 hours)
- ENG 359: Mythology (3 hours) OR ENG 358: Bible as Literature (3 hours)
- ENG 363: Advanced Composition (3 hours)
- ENG 365: Ethnic & Minority Literature (3 hours) OR ENG 375: Chicano Literature (3 hours)
- ENG 394: American Literature I (3 hours)
- ENG 395: American Literature II (3 hours)
- ENG 403: Shakespeare (3 hours)

**A portfolio of the student's work in the major must be submitted during the senior year.**

Guidelines for assembling the portfolio and deadlines for submission are available from the department head or the major advisor.

**Minor in Creative Writing**

**Degree Requirements**

**All students are required to take:**

- ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours)
- ENG 227: Intro to Creative Writing (3 hours)

**In addition, three courses from the following must be selected:**

- ENG 326: CW Poetry Workshop I (3 hours)
- ENG 327: Fiction Workshop I (3 hours)
- ENG 328: Creative Non-Fiction (3 hours)
- ENG 426: Poetry Workshop II (3 hours)
- ENG 427: Fiction Workshop II (3 hours)
- ENG 428: Creative Nonfiction II (3 hours)
- ENG 497: Capstone Writing Workshop (3 hours)

**In addition, one course from the following must be selected:**

- ENG 458: Reading Poetry (3 hours)
- ENG 460: Reading Short Prose (3 hours)

**Minor in English**

**Degree Requirements**

- ENG 203: Major Themes in Lit GT-AH2 (3 hours)

Completion of additional coursework to complete a total of 18 credit hours (excluding ENG 101 and ENG 102).

NOTE: Six of the 18 hours need to be 300- or 400-level.

## Minor in English/Communication

### Degree Requirements

#### Completion of the core requirement (3 hours)

- COMM 255: Fndmntls of Media Comm GT-AH2 (3 hours)

#### Completion of four electives (12 hours)

- COMM 165: Digital Filmmaking (3 hours) OR COMM 365: Digital Filmmaking (3 hours)
- COMM 190: Radio Practicum (1 TO 3 hours)
- COMM 195: Video Practicum (1 TO 3 hours)
- COMM 197: Newspaper Practicum (1 TO 3 hours)
- COMM 275: Basic Media Writing (3 hours)
- COMM 285: Digital Media Production (3 hours)
- COMM 327: Social Media (3 hours)
- COMM 340: Citizen Jour & Freelance Wrt (3 hours)
- COMM 350: Media Theory & Criticism (3 hours)
- COMM 360: Media Management (3 hours)
- COMM 367: Short Film/Movie Trailer Prod (3 hours)
- COMM 368: Documentary Film Production (3 hours)
- COMM 379: Special Topics (1 TO 6 hours)
- COMM 390: Advanced Radio Practicum (1 TO 3 hours)
- COMM 395: Advanced Video Practicum (1 TO 3 hours)
- COMM 397: Advanced Newspaper Practicum (1 TO 3 hours)
- COMM 420: Rhetoric of Popular Culture (3 hours)
- COMM 430: Diversity in Media (3 hours)
- COMM 457: Media Law and Ethics (3 hours)
- COMM 496: Communication Internship (1 TO 3 hours)
- THTR 242: Voice for Performance (3 hours)
- THTR 250: Cinema (3 hours)

## Literacy Emphasis for Elementary Education Licensure

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.

- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### For elementary education licensure, students must complete the Content Area Emphasis and Bachelor of Arts in Interdisciplinary Studies Degree Requirements

#### Required Courses for Emphasis

- ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours)
- ENG 226: Basic English Grammar (3 hours)
- ENG 227: Intro to Creative Writing (3 hours)
- One literature course, 300 level or above
- One writing course, 300 level or above
- One English elective, 300 level or above (or a COMM or THTR course upon department chair approval)

# Food Studies

Food Studies is an academic exploration of the importance and impact of food on all aspects of human existence: health & wellness, economics, business, environment & sustainability, food production, social & cultural.

Graduates of the Food Studies program will have the skills to change the world by:

- Understanding world & local food systems to promote equity & social justice
- Immerse in healthy food production and marketing through internships and hands on practice on campus, and in the community; Ag laboratory
- Understand the limitations and complexity of existing business models and will advocate for new economic models in the food industry
- Promote health and wellness through production and consumption of accessible, quality, fresh, local food
- Implement sustainable & regenerative practices from soil to fork
- Promote innovative ways to use agricultural practices to mitigate adverse climate change effects

## Health & Wellness

### Degree Requirements

#### Completion of the General Education Requirements (31 credits)

[General Education Curriculum](#)

#### Core Requirements (45 Credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)

- FOOD 499: Food Studies Capstone (3 hours)

#### Health, Exercise and Nutrition (17 credits):

- BIOL 112/112L: Human Anatomy & Lab (4 hours)
- BIOL 205/205L: Human Anatomy & Lab (4 hours)
- KIN 329/329L: Exercise Physiology & Lab (4 hours)
- KIN 301: Sport & Fitness Nutrition (3 hours)
- KIN 380: Diversity and Equity in Sport (3 hours)
- KIN 190: Sport Psychology (3 hours) OR
- KIN 327: Strength & Conditioning (3 hours)

## Sustainability

### Degree Requirements

#### Completion of the General Education Requirements (31 credits)

[General Education Curriculum](#)

#### Core Requirements (45 Credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

#### Sustainability (15 Credits):

- GSCI 109: Dynamic Earth (4 hours)
- GSCI 311: Climatology (4 hours)
- GSCI 307: Biogeography (3 hours)
- BIOL 330: Ecology (4 hours)

## Business & Food Policy

### Degree Requirements

## Completion of the General Education Requirements (31 credits)

### [General Education Curriculum](#)

#### Core Requirements (45 Credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

#### Business, Economics and Food Studies Policy (15 Credits):

- ECON 255: Macroeconomics Principles (3 hours)
- ECON 256: Microeconomics Principles (3 hours)
- BUS 304: Principles of Marketing (3 hours) OR BUS 345: Advertising (3 hours)
- BUS 498: World Food Distribution/Ag Economics (3 hours)
- BUS 499: Ag Policy and Farm Bill (3 hours)

## Sociology Social Justice

### Degree Requirements

## Completion of the General Education Requirements (31 credits)

### [General Education Curriculum](#)

#### Core Requirements (45 Credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)

- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

#### Sociology (15 Credits)\*:

- SOC 305: Rural Sociology (3 hours)
- SOC 365: Race, Culture and Ethnicity (3 hours)
- SOC 370: Poverty and Social Inequality (3 hours)
- SOC 352: Human Behavior & Social Env. (3 hours)
- SOC 470: Social Welfare Policy (3 hours)

*\*It is suggested that other Sociology courses may fulfill the concentration requirements and can be substituted.*

# Geosciences

The program offers four bachelor's degrees, with professional software training that incorporates Geographic Information System (GIS) technology into coursework. Because the San Luis Valley is a fantastic geological library, your classroom studies are complemented by hands-on fieldwork. And with Adams State's low student-to-teacher ratio, you'll have opportunities to work one-on-one with faculty members on the kind of research normally reserved for graduate students.

Adams State is set in the Rio Grande Rift Valley, in between the outdoor laboratories of the San Juan and Sangre de Cristo mountains, with natural features such as Wheeler Geologic Area and the Great Sand Dunes. The Geosciences Program houses an advanced Geographic Information Systems (GIS) laboratory and offers opportunities for professional software training, and for incorporating GIS and remote sensing technology into course work.

More information about the program, facilities and faculty is available on the [Geosciences Department Page](#).

## Department Faculty

### Co-Chairpersons

- Benita Brink, Ph.D.
- Tim Armstrong, Ph.D.

### Assistant Professors

- Chayan Lahiri, Ph.D.

### Adjunct Professors

- Andrew Valdez

### Emeritus Faculty

- Robert Benson, Ph.D.

## Associate of Science with Geographic Information Systems (GIS) Emphasis

### Degree Requirements

**Completion of the general education requirements for an associate's degree.**

### Completion of the following required courses:

- MATH 106: College Algebra GT-MA1 (3 hours)
- GEOL 111: Physical Geology (4 hours)

- GEOL 112: Earth History (4 hours)
- GEOL 123: Geology of the San Luis Valley (1 hours)
- CSCI 150: Introduction to Programming (3 hours)
- GEOG 201: Intro to Cartography and GIS (3 hours)
- GEOG 279: Special Topics (1 TO 6 hours)

## Bachelor of Arts in Geosciences, Science Education with Geosciences Secondary Teacher Licensure

The secondary teacher licensure program qualifies a student for a Colorado standard teaching license in science education.

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Completion of the secondary teacher licensure requirements.

Bachelor of Arts with Secondary Education Licensure

### Completion of the following required courses:

- GSCI 109: Dynamic Earth (4 hours)
- GSCI 112: Earth History (4 hours)
- GSCI 321: Geomorphology w. Env Applic (4 hours)
- GSCI 331: Macro and Optical Mineralogy (5 hours)
- GSCI 334: Igneous/Metamorphic Petrology (5 hours)
- GSCI 343: Sedimentology and Stratigraphy (4 hours)
- GSCI 371: Structural Geology (4 hours)

### Completion of required support courses:

- BIOL 209: General Biology I / Lab (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- ED 350: Methods of Teaching Science-Sec (3 hours)
- GSCI 300: World Geography (3 hours)
- MATH 107: Trig & Analytic Geometry (3 hours)
- PHYS 110: Intro to Astronomy (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)

### Recommended Courses:

- CSCI 104: Fundamentals of Programming (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- GSCI 201: Intro to Cartography and GIS (3 hours)
- GSCI 123: Geology of the San Luis Valley (1 hours)

**A minor in biology, chemistry, mathematics or physics is highly recommended for placement in a teaching position.**

## Bachelor of Science in Geology

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

#### Completion of the following required courses:

- GSCI 109: Dynamic Earth (4 hours)
- GSCI 112: Earth History/Lab (4 hours)
- GSCI 201: Intro to Cartography and GIS (3 hours)
- GSCI 321: Geomorphology w/Env Applic (4 hours)
- GSCI 331: Macro and Optical Mineralogy (5 hours)

- GSCI 334: Igneous/Metamorphic Petrology (5 hours)
- GSCI 343: Sedimentology & Stratigraphy (4 hours)
- GSCI 371: Structural Geology (4 hours)
- GSCI 450: Senior Capstone in Geoscience (2 hours)
- GSCI 495: Field Geology (6 hours)

#### A minimum of 2 of the following three courses:

- GSCI 330: Nature and Properties of Soils (4 hours)
- GSCI 433: Environment Geochemical Model (3 hours)
- GSCI 440: Groundwater (4 hours)

#### Completion of Required Support courses:

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)

#### Recommended courses:

- GSCI 123: Geology of the San Luis Valley (1 hours)
- GSCI 350: Geology Excursion (2 hours)
- MATH 120: Single Variable Calculus I GT-MA1 (5 hours)
- MATH 205: Intro to Statistical Methods (3 hours)

## Bachelor of Science in Physical Geography and Conservation

### Degree Requirements

#### Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.

- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses:**

- GSCI 109: Dynamic Earth (4 hours)
- GSCI 201: Intro to Cartography and GIS (3 hours)
- GSCI 212: Nat Res Mgt on Public Lands (3 hours)
- GSCI 300: World Geography (3 hours)
- GSCI 450: Senior Capstone in Geosciences (2 hours)

**Plus a minimum of three courses from the following (11 to 12 credits):**

- GSCI 307: Biogeography (3 hours)
- GSCI 311: Climatology (4 hours)
- GSCI 321: Geomorphology w/ Env Applic (4 hours)
- GSCI 330: Nature and Properties of Soils (4 hours)

**Plus a minimum of two courses from the following (6 or 7 credits):**

- GSCI 411: Mountain Geography (3 hours)
- GSCI 420: Remote Sensing (4 hours)
- GSCI 421: Glacial Periglacial Geog (3 hours)
- GSCI 462: Geog and Geol of World Regions (3 hours)

**Plus a minimum of two courses from the following (6 to 8 credits):**

- GSCI 112: Earth History (4 hours)
- GSCI 343: Sedimentology & Stratigraphy (4 hours)
- GSCI 433: Environment Geochemical Model (4 hours)
- GSCI 440: Groundwater (4 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 314: Conservation Biology (3 hours)
- BIOL 468: Vegetation & Habitat Management (2 hours)

**Plus a minimum of one course from the following (3 credits):**

- ECON 256: Microeconomics Principles (3 hours)
- BUS 384: Natural Resources/Water Law (3 hours)
- SOC 425: Environment and Society (3 hours)

**Completion of required support courses:**

- BIOL 209: General Biology I (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- MATH 205: Statistics (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)

**A minor is highly recommended. Consult with an advisor.**

**Minor in Environmental Science**

**Degree Requirements**

**Completion of at least 18 credit hours selected in consultation with the department chair or completion of the following.**

**Completion of required courses (17 credits):**

- CHEM 111: Introductory Chemistry GT-SC1 (4 hours)
- CHEM 111L: Introductory Chemistry Lab (1 hours)
- ENV 101: Intro to Environmntl Sci GT-SC1 (4 hours)
- GEOG 101: Intro/Physical Geog (GT-SC1) (4 hours)
- GEOL 111: Physical Geology (4 hours)

**Completion of at least 4 credits from the following:**

- CHEM 334: Environmental Chemistry (3 hours) AND CHEM 334L: Environmental Chemistry Lab (1 hours)
- GEOG 212: Nat Res Mgt on Public Lands (3 hours)
- GEOG 311: Climatology (4 hours)
- GEOL 321: Geomorphology w/Env Applic (4 hours)
- GEOL 433: Environment Geochemical Model (3 hours)

**Minor in Geography**

**Degree Requirements**

**Required courses (10 credit hours)**

- GEOG 101: Intro/Physical Geog (GT-SC1) (4 hours)
- GEOG 201: Intro to Cartography and GIS (3 hours)
- GEOG 300: World Geography (3 hours)

**Electives (Students must complete a minimum of 8 credit hours from the following)**

- GEOG 212: Nat Res Mgt on Public Lands (3 hours)
- GEOG 307: Biogeography (3 hours)
- GEOG 311: Climatology (4 hours)
- GEOL 321: Geomorphology w/Env Applic (4 hours)
- GEOG 330: Nature and Properties of Soils (4 hours)
- GEOG 420: Remote Sensing (4 hours)
- GEOG 411: Mountain Geography (3 hours)
- GEOG 421: Glacial and Periglacial Geog (3 hours)

**Minor in Geology**

**Degree Requirements**

**Completion of the following required courses:**

- GEOL 111: Physical Geology (4 hours)
- GEOL 112: Earth History (4 hours)
- GEOL 123: Geology of the San Luis Valley (1 hours)
- GEOL 350: Geology Excursion (2 hours)
- GEOL or GEOG 3XX or 4XX elective courses (7 credits)

## ***Higher Education Administration & Leadership***

The Higher Education Administration and Leadership (HEAL) program prepares higher education professionals to manage and lead in institutions of higher education, especially Hispanic Serving Institutions (HSIs), and to enhance the success of the students they serve. Adams State’s Master of Arts and post-graduate Executive Leadership Institute offer cohort-based, experiential learning in an online environment. These flexible programs are designed for the working professional. The M.A. program is a two-year program and the Executive Leadership Institute (ELI) is a one-year, post-graduate program. Both have two residencies—an orientation and a Leadership Summit—which provide networking and mentoring opportunities for our students.

For more information about the HEAL program, please contact the HEAL Director at 719-587-7934, [heal@adams.edu](mailto:heal@adams.edu) or visit the [HEAL website](#).

**Department Faculty**

**Program Director**

- Melissa L. Freeman, Ph.D.

### **Master of Arts in Higher Education Administration & Leadership**

**Admission Requirements**

**Students desiring to enroll in the HEAL degree program must meet the following admission requirements:**

1. Complete the [M.A. admission application](#) and submit \$30 application fee
2. Hold a baccalaureate degree from an accredited institution of higher education.
3. Have an undergraduate GPA of 3.0, the last 30 credit hours of the degree. Those with a GPA lower than 3.0 may be conditionally admitted until after the first semester at which time evidence is provided as to the ability to do graduate level work.
4. Write and submit a letter of intent
5. Write and submit a 2- to 3-page essay—“How do you see yourself improving educational opportunities for Latino/a students in the future?” The essay will be used to assess writing skills for eligibility into the program.
6. Currently hold a position within an institution of higher education.



7. Submit a complete resume including academic, volunteer and work experience.
8. Send unofficial transcripts (official after acceptance).
9. Submit two letters of reference with contact information for those references. *Letters of reference must outline the student's strengths and weaknesses, likely success in a graduate program; and what they will bring to the field of higher education. One letter should be from an immediate and/or current supervisor.*

Send admission packet as PDF files to the HEAL director via email at heal@adams.edu or to:

HEAL Director, Adams State University  
208 Edgemont Blvd., Suite 3120  
Alamosa, CO 81101.

### **Certificate of Completion Requirements:**

- Orientation
- HEAL 500: Historical/Contemporary Issues (3 hours)
- HEAL 510: Admin & Academic Collaboration (3 hours)
- HEAL 520: Leadership in MSIs (3 hours)
- HEAL 530: Finance/Budgeting in Higher Ed (3 hours)
- HEAL 540: Leading for Success in MSIs (3 hours)
- HEAL 550: Politics/Policy in Higher Ed (3 hours)

### **Degree Requirements (36 credit hours total)**

- Orientation
- HEAL 500: Historical/Contemporary Issues (3 hours)
- HEAL 510: Admin & Academic Collaboration (3 hours)
- HEAL 520: Leadership in MSIs (3 hours)
- HEAL 530: Finance/Budgeting in Higher Ed (3 hours)
- HEAL 540: Leading for Success in MSIs (3 hours)
- HEAL 550: Politics/Policy in Higher Ed (3 hours)
- HEAL 560: Data Analysis in Higher Ed (3 hours)
- HEAL 570: Legal Issues in Higher Ed (3 hours)
- HEAL 580: Planning/IR/Assessment (3 hours)
- HEAL 581: Planning/IR/Assess Practicum (2 hours)
- HEAL 598: HEAL Portfolio A (1 hours)
- HEAL 590: Entrepreneurship in Higher Ed (3 hours)
- HEAL 591: Practicum in Entrepreneurship (2 hours)
- HEAL 598: HEAL Portfolio B (1 hours)

## **Executive Leadership Institute**

### **Requirements**

Students currently holding a master's degree or higher and admitted into the master's program may elect to pursue the ELI option. A certificate of completion is issued upon completion of the first year of the master's program (18 credit hours).

# ***History, Anthropology, Philosophy, Political Science***

The Department of History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) offers a master's degree in humanities, a bachelor's degree in history/government with emphases in history, political science, anthropology, and secondary licensure (social studies), and minors in anthropology, political science, history, philosophy and religious studies. The department also oversees the pre-law and languages programs.

## **Department Faculty**

### **Chairperson**

- Richard Loosbrock, Ph.D.

### **Professors**

- Mari Centeno, Ph.D.
- Richard Loosbrock, Ph.D.
- Michael Mumper, Ph.D.

### **Associate Professors**

- Nick Saenz, Ph.D.

## **Master of Arts in Public Administration**

### **Degree Requirements**

The Department of History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) at Adams State University now offers a 36 hour master's degree program in Public Administration. This is a fully online degree designed for professionals who are already working in the public and non-profit sectors or pre-professionals who want to start a career in public service. The program mixes skills based coursework with real practical experience working in public agencies. It will prepare its graduates to work in positions in the federal, state, and local government as well as non-profit organizations.

The degree is delivered through semester based, interactive, online courses. The program, which can be completed in 2 years, is designed for students who are also working full-time. This MA degree can lead to career advancement for public servants who want to move into management positions. It will also provide the skill development necessary for public managers to do their jobs more effectively.

### **Program Goals**

- Provide a high quality, low cost, master's degree focusing on public administration.
- Provide students with maximum flexibility through use of fully online delivery.
- Employ a curriculum that mixes skills based course work with real practical experiences.
- Prepare pre-professional students with the skills to enter the public service.
- Provide professionals already working in public administration with the skills to advance their careers.

### **Required Core**

- MPA 500: Intro to Public Administration (3 hours)
- MPA 503: Research Mthds & Data Analysis (3 hours)
- MPA 510: Practicum (1 hours)
- MPA 516: Practicum II (1 hours)
- MPA 520: Practicum III (3 hours)
- MPA 528: Practicum IV (1 hours)
- MPA 530: Public Policy Analysis (3 hours)
- MPA 533: Org & Comm Behavior (3 hours)
- MPA 540: Capstone Practicum (3 hours)

### **Elective Coursework: 15 hours**

### **Total Required: 36 hours**

## **Master of Arts in United States History**

### **Degree Requirements**

The History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) Department offers a Master of Arts in United States History. The goals of the United States history program are to satisfy students' desires for additional directed study of United States history, to assist teachers in meeting highly qualified status under NCLB, and to provide access for students to earn an M.A. degree before going on to doctoral studies. All professors in this program hold Ph.D.s and are committed to developing and encouraging students to achieve their academic potential. The degree is delivered using a mixture of face-to-face and Internet courses.

### **Required Core**

- HIST 500: Historiography/Historical Meth (3 hours)
- HIST 591: Thesis (3 hours)

### **Context and Content**

24 credit hours from the following menu selected in consultation with department chair.

- HIST 501: State History (3 hours)

- HIST 505: American West (3 hours)
- HIST 507: Latino History (3 hours)
- HIST 516: Amer Rev and Federal Era (3 hours)
- HIST 520: Topics in World History (3 hours)
- HIST 521: Women in U.S. History (3 hours)
- HIST 522: Gilded Age and Progressive Era (3 hours)
- HIST 526: U.S. in the Era of World Wars (3 hours)
- HIST 531: Early Modern Europe (3 hours)
- HIST 536: Religion in US History (3 hours)
- HIST 540: U.S. Presidency (3 hours)
- HIST 546: Borderlands (3 hours)
- 
- HIST 550: US Sports History (3 hours)
- HIST 551: Atlantic History (3 hours)
- HIST 563: Civil War and Reconstruction (3 hours)
- HIST 567: Topics in Political Theory (3 hours)
- HIST 568: U.S.-Latin American Relations (3 hours)
- HIST 569: African Amer Civil Rights Mvmt (3 hours)
- HIST 570: Readings in US History (3 hours)
- HIST 579: Special Topics (1 TO 6 hours)
- HIST 590: History Practicum (3 hours)

- CRM 591: Thesis (3 hours)

## Context and Content

12 credit hours from the following menu selected in consultation with department chair. (Note: For CRM students whose primary interest is in prehistoric archaeology, the content of HIST 501 and HIST 505 will be adjusted to focus primarily on prehistoric issues.)

- ANTH 539: Archaeology Field School (1 TO 6 hours)
- CRM 560: Applied GIS/CRM Professionals (3 hours)
- CRM 570: Selected Readings in CRM (3 hours)
- CRM 579: Special Topics (1 TO 6 hours)
- CRM 599: Indivl Archaeological Exprnce (1 TO 3 hours)
- HIST 501: State History (3 hours)
- HIST 505: American West (3 hours)
- HIST 516: Amer Rev and Federal Era (3 hours)
- HIST 517: 18th Century U.S. (3 hours)
- HIST 520: Topics in World History (3 hours)
- HIST 521: Women/Politics 20th Century Amer (3 hours)
- HIST 526: U.S. in the Era of World Wars (3 hours)
- HIST 530: Topics in Historical Geography (3 hours)
- HIST 531: Early Modern Europe (3 hours)
- HIST 536: Religion in US History (3 hours)
- HIST 538: American Indian History (3 hours)
- HIST 546: Borderlands (3 hours)
- HIST 560: Cultural Geography (3 hours)
- HIST 563: Civil War and Reconstruction (3 hours)
- HIST 566: Western Political Theory (3 hours)
- HIST 567: Topics in Political Theory (3 hours)
- HIST 568: U.S.-Latin American Relations (3 hours)
- HIST 569: African Amer Civil rights Mvmt (3 hours)
- HIST 570: Readings in US History (3 hours)
- HIST 572: Amazing Grace (3 hours)
- HIST 579: Special Topics (1 TO 6 hours)

## Master of Arts in Cultural Resource Management

### Degree Requirements

The History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) Department offers a Master of Arts in Cultural Resource Management. The goals of the Cultural Resources Management program are to satisfy students' desires for directed study leading to a master's degree in Cultural Resource Management (prehistoric or historical focus), preparing them for advancement in that field or for going on to doctoral studies. All professors of CRM classes in this program have field experience in cultural resource management as archaeologists and/or administrators. They are committed to developing and encouraging students to achieve their academic potential. The degree is delivered through semester based, interactive, Internet courses.

### Required Core

- CRM 500: Philosophy, Laws, Standards (3 hours)
- CRM 510: Technology and Techniques (3 hours)
- CRM 520: Report Writing (3 hours)
- CRM 571: Archaeological Theory (3 hours)
- CRM 580: Internship / CRM (3 hours)

## Bachelor of Arts in HAPS, History Emphasis

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).

- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of six credits of World History:**

- HGP 110: Development of Civ GT-HI1 (3 hours)
- HGP 111: Development of Civ GT-HI1 (3 hours)

**Completion of the following core courses:**

- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist since 1865 GT-HI1 (3 hours)
- POLS 291: American Government GT-SS1 (3 hours)
- HGP 471: Senior Seminar (3 hours)

**Successful completion of Senior Assessment Procedures.**

**Completion of at least four courses (12 credit hours) from each of the following two fields.**

**Europe and Latin America–**

- HIST 328: Chicano History (3 hours)
- HIST 330: The Middle Ages (3 hours)
- HIST 331: Renaissance and Reformation (3 hours)
- HIST 334: French Revolution & Napoleon (3 hours)
- HIST 342: England (3 hours)
- HIST 345: History of Germany (3 hours)
- HIST 346: Imperial Spain (3 hours)
- HIST 355: Latin America to 1830 (3 hours)
- HIST 356: Latin America Since 1830 (3 hours)
- HIST 357: Mexico (3 hours)
- HIST 360: Italian Nationhood (3 hours)
- HIST 432: Age of Revolution (3 hours)
- HIST 433: Industry and Empire (3 hours)
- HIST 434: Twentieth Century Europe (3 hours)
- HIST 435: History of Nazism and Fascism (3 hours)
- POLS 468: U.S.-Latin American Relations (3 hours)

**United States–**

- HIST 301: Colorado History (3 hours)

- HIST 305: The American West (3 hours)
- HIST 314: Colonial America (3 hours)
- HIST 316: Amer Revol & Federalist Era (3 hours)
- HIST 318: Foundations of Amer Diplomacy (3 hours)
- HIST 320: History of American Women (3 hours)
- HIST 322: The Gilded Age/Progressive Era (3 hours)
- HIST 350: History of Sport in America (3 hours)
- HIST 363: Civil War & Reconstruction (3 hours)
- HIST 426: US in the Era of World Wars (3 hours)
- HIST 427: The Sixties Era (3 hours)
- HIST 436: American Thought (3 hours)
- POLS 429: Constitnl Law/Criminal Justic (3 hours)
- POLS 430: Constitutnl Law:Civil Liberics (3 hours)

**Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years.** Students desiring this option should contact an HAPS advisor.

**Bachelor of Arts in HAPS, Anthropology Emphasis**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of six credits of World History:**

- HGP 110: Development of Civ GT-HI1 (3 hours)
- HGP 111: Development of Civ GT-HI1 (3 hours)

**Completion of the following core courses:**

- POLS 291: American Government GT-SS1 (3 hours)
- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist 1865 / Presnt GT-HI1 (3 hours)
- HGP 471: Senior Seminar (3 hours) OR ANTH 471: Senior Seminar in Anthropology (3 hours)

**Completion of 24 hours from the following fields as specified:**

Students must take the required course specified in each of the four subfields below (12 hours) and four additional courses (12 hours) in one or more of the fields below. Students may not count a course listed in more than one subfield as meeting the credit hour requirement for more than one subfield.

**Archaeology Field**

**Required course**

- ANTH 300: Archaeology (3 hours)

**Elective courses**

- ANTH 339: Field School in Archaeology (6 hours)
- ANTH 349: Internship in Museums (6 hours)
- ANTH 379: Special Topics (1 TO 6 hours)
- GEOG 201: Intro to Cartography and GIS (3 hours)
- GEOG 330: Nature and Properties of Soils (4 hours)
- HIST 305: The American West (3 hours)
- HIST 320: History of American Women (3 hours)
- HIST 328: Chicano History (3 hours)

**Cultural Anthropology Field**

**Required course**

- ANTH 201: Introduction to Anthropology (3 hours)

**Elective courses**

- ANTH 379: Special Topics (1 TO 6 hours)
- ENG 359: Mythology (3 hours)
- POLS 300: Introduction to World Politics (3 hours)
- POLS 325: Political Mvmnts/Latin America (3 hours)
- POLS 393: Women, Politics and Culture (3 hours)
- HIST 328: Chicano History (3 hours)
- HIST 355: Latin America to 1830 (3 hours)
- HIST 356: Latin America Since 1830 (3 hours)

- HIST 357: Mexico (3 hours)
- PHIL 203: Philosophy of Religion (3 hours)
- PSYC 315: Multicultural Issues (3 hours)
- PSYC 360: Psychology of Gender (3 hours)
- PSYC 379: Special Topics (.5 TO 6 hours)
- SOC 318: Race, Class, and Gender (3 hours)
- SOC 320: Marriages and Families (3 hours)
- SOC 401: Social Psychology (3 hours)
- SOC 419: Gender and Society (3 hours)

**Linguistics Field**

**Required course**

- ANTH 310: Anthropological Linguistics (3 hours)

**Elective courses**

- ANTH 379: Special Topics (1 TO 6 hours)
- ENG 226: Basic Grammar & Hist:English (3 hours)
- ENG 425: English Syntax (3 hours)

**Physical Anthropology Field**

**Required course**

- ANTH 205: Physical Anthropology (3 hours)

**Elective courses**

- ANTH 379: Special Topics (1 TO 6 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 332: Evolution (3 hours)

**Successful completion of Senior Assessment Procedures.**

**Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years.** Students desiring this option should contact an HAPS advisor.

**Bachelor of Arts in HAPS, Political Science Emphasis**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.

- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of six credits of World History:**

- HGP 110: Development of Civ GT-HI1 (3 hours)
- HGP 111: Development of Civ GT-HI1 (3 hours)

**Completion of the following core courses:**

- POLS 291: American Government GT-SS1 (3 hours)
- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist 1865 / Presnt GT-HI1 (3 hours)
- HGP 471: Senior Seminar (3 hours)

**Completion of 24 hours with at least three credits from each of the following fields:**

**Political Theory–**

- POLS 436: American Thought (3 hours)
- POLS 466: Ancient Political Theory (3 hours)
- POLS 467: Modern Political Theory (3 hours)
- POLS 379: Special Topics (1 TO 6 hours) AND/OR POLS 479: Special Topics (1 TO 6 hours)

**American Politics–**

- POLS 303: Current Political Issues (3 hours)
- POLS 306: Elections and Voting Behavior (3 hours)
- POLS 351: Congr/Presidency/Public Policy (3 hours)
- POLS 429: Constitnl Law/Criminal Justic (3 hours)
- POLS 430: Constitutnl Law:Civil Liberties (3 hours)
- POLS 379: Special Topics (1 TO 6 hours) AND/OR POLS 479: Special Topics (1 TO 6 hours)

**Comparative Politics–**

- POLS 307: Intro to World Governments (3 hours)
- POLS 308: Pacific Rim/21st Century World (3 hours)
- POLS 325: Political Mvmnts/Latin America (3 hours)
- POLS 393: Women, Politics and Culture (3 hours)

- POLS 379: Special Topics (1 TO 6 hours) AND/OR POLS 479: Special Topics (1 TO 6 hours)

**World Politics–**

- POLS 300: Introduction to World Politics (3 hours)
- POLS 301: Chang Dynamics/Int'l Relations (3 hours)
- POLS 379: Special Topics (1 TO 6 hours) AND/OR POLS 479: Special Topics (1 TO 6 hours)
- POLS 380: Model United Nations (3 hours)
- POLS 468: U.S.-Latin American Relations (3 hours)

**Successful completion of Senior Assessment Procedures.**

**Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years.** Students desiring this option should contact an HAPS advisor.

**Bachelor of Arts in HAPS, Social Studies Emphasis, Secondary Teacher Licensure**

**Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the secondary teacher licensure requirements.**

Bachelor of Arts with Secondary Education Licensure

- Successful completion of all core courses (18 hours):**
- ECON 255: Principles of Economics I (3 hours)
  - GSCI 300: World Geography (3 hours)

- POLS 291: American Government GT-SS1 (3 hours)
- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist 1865 / Presnt GT-HI1 (3 hours)
- HGP 471: Senior Seminar (3 hours)

**Completion of six credits of World Civilization requirements:**

- HGP 110: Development of Civ GT-HI1 (3 hours)
- HGP 111: Development of Civ GT-HI1 (3 hours)

**Successful completion of a social science course (3 hours):**

- ANTH 201: Introduction to Anthropology (3 hours)
- OR
- SOC 318: Race, Class, and Gender (3 hours)

**Successful completion of a comparative government course (3 hours):**

- POLS 307: Intro to World Governments (3 hours)
- OR
- POLS 308: Pacific Rim/21st Century World (3 hours)
- OR
- POLS 325: Political Mvmnts/Latin America (3 hours)

**Successful completion of social studies depth and content courses. 15 hours of ANTH, ECON, HIST, POLS, PSYC. At least two 300-400 level HIST and POLS courses.**

**Successful completion of the required field-based methods course (taken prior to student teaching):**

HGP 316: Methods/Teaching Soc Studies (3 hours)

**All students seeking social studies licensure are encouraged to seek competency in a foreign language.**

**Successful completion of Senior Assessment Procedures.**

**Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years.**

\*Students desiring this option should contact an HAPS advisor.

**Associate of Arts in Social Studies**

**Degree Requirements**

Completion of the general education requirements for an associate's degree.

**History – 9 hours (in addition to those taken for General Education Area II):**

- HGP 110: Development of Civ GT-HI1 (3 hours)
- HGP 111: Development of Civ GT-HI1 (3 hours)
- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist 1865 / Presnt GT-HI1 (3 hours)

**Government (3 hours):**

- GOVT 291: American Government (3 hours)
- ANTH 201: Introduction to Anthropology (3 hours)
- ANTH 205: Physical Anthropology (3 hours)
- ECON 255: Principles of Economics I (3 hours)

**Philosophy (6 hours):**

- PHIL 201: Introduction to Philosophy (3 hours)
- PHIL 202: Ethics (3 hours)
- PHIL 205: Logic (3 hours)

**Elective courses**

- Students may, in consultation with the department chair of HAPPSS, select enrichment courses with an HGP/HIST/POLS/PHIL/ANTH prefix, another course at the 100- to 200-level approved by the department chair, or any course from the menu above not taken to fulfill content area requirements.

**Minor in History**

**Requirements**

- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist 1865 / Presnt GT-HI1 (3 hours)
- 15 credits of elective history courses (300-to 400-level).

**Minor in Anthropology**

**Degree Requirements**

There are two possible tracks for the completion of the anthropology minor:

**Track One:**

- ANTH 201: Introduction to Anthropology (3 hours)
- ANTH 205: Physical Anthropology (3 hours)
- ANTH 300: Archaeology (3 hours)
- ANTH 310: Anthropological Linguistics (3 hours)
- ANTH 339: Field School in Archaeology (6 hours)

#### Track Two:

- ANTH 201: Introduction to Anthropology (3 hours)
- ANTH 205: Physical Anthropology (3 hours)
- ANTH 300: Archaeology (3 hours)
- ANTH 310: Anthropological Linguistics (3 hours)
- ANTH 349: Internship in Museums (6 hours)

### Minor in Political Science

#### Degree Requirements

- POLS 291: American Government (3 hours)
- 15 elective credits chosen in consultation with department head

### Minor in Philosophy

#### Degree Requirements

##### Required Core

- PHIL 201: Introduction to Philosophy (3 hours)

##### Electives (15 hours from the following)

- PHIL 202: Ethics (3 hours)
- PHIL 205: Logic (3 hours)
- PHIL 300: Interrelations of the Arts (3 hours)
- PHIL 304: Religions of the Western World (3 hours)
- PHIL 379: Special Topics (1 TO 6 hours)
- PHIL 436: American Thought (3 hours)
- PHIL 466: Ancient Political Theory (3 hours)
- PHIL 467: Modern Political Theory (3 hours)
- PHIL 479: Special Topics (1 TO 6 hours)

### Minor in Religious Studies

#### Degree Requirements

##### Required Core:

- PHIL 203: Philosophy of Religion (3 hours)

##### Electives (15 hours from the following):

- ENG 358: Bible as Literature (3 hours)
- POLS 305: Religion/Politics in the US (3 hours)

- PHIL 303: Chinese Philosophy (3 hours)
- PHIL 304: Religions of the Western World (3 hours)
- PHIL 323: Atheism (3 hours)
- PHIL 324: Existentialism (3 hours)
- PHIL 436: American Thought (3 hours)

### Social Studies Emphasis for Elementary Education Licensure

#### Degree Requirements

##### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

#### For elementary education licensure, students must complete the Content Area Emphasis and Bachelor of Arts in Interdisciplinary Studies Degree Requirements

##### Required Courses for Emphasis

- POLS 291: American Government GT-SS1 (3 hours)
- Other half of U.S. survey not taken for interdisciplinary major core (3 hours)
- HIST 202: American Hist to 1865 GT-HI1 (3 hours) OR HIST 203: Amer Hist 1865-Present GT-HI1 (3 hours)
- Content Electives (9 hours)

#### Recommended courses are listed below. Students MUST take courses from at least two of the following fields: HIST, POLS, ECON, SOC or ANTH.

- ECON 255: Macroeconomics Principles (3 hours)
- POLS 307: Intro to World Governments (3 hours)
- HIST 357: Mexico (3 hours)
- SOC 318: Race, "Class, and Gender" (3 hours)
- POLS 393: Women, Politics and Culture (3 hours)



## Pre-Law

### Program Requirements

The Pre-Law Program at Adams State University is not a major, but a series of liberal arts courses recommended by the pre-law advisor based upon the individual needs of the students and the challenging requirements for gaining admission into law school. Students major in a variety of disciplines. Irrespective of discipline, students should possess certain core competencies. The 48-hour program below is the designed to assist students in demonstrating these competencies.

For more information about this program, including its track record of placing students in law schools across the country, contact Edward R. Crowther, Ph.D., Pre-Law Advisor, Adams State University, Alamosa, CO 81101. 719-587-7466.

### Pre-Law Studies Core

- GOVT 291: American Government (3 hours)
- HIST 202: American Hist to 1865 GT-HI1 (3 hours)
- HIST 203: Amer Hist 1865 / Present GT-HI1 (3 hours)
- GOVT 429: Constnl Law and Criminal Justice (3 hours)
- GOVT 430: Constnl Law:Civil Liberties (3 hours)
- GOVT 460: Pre-Law Studies Seminar (3 hours)
- GOVT 466: Ancient Political Theory (3 hours)
- GOVT 467: Modern Political Theory (3 hours)
- ECON 255: Principles of Economics I (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours) OR PSYC 211: Intro to Stats Lecture/Lab (4 hours)
- PHIL 205: Logic (3 hours) OR PHIL 202: Ethics (3 hours)

### Pre-law elective classes (12 hours)

This component consists of 12 hours of upper division courses selected in conjunction with the pre-law advisor. It includes at least six hours of literature and/or composition, with the remaining six hours consisting of government/political science courses with extensive research and writing components or a supervised internship, when available, with the Office of the Public Defender of Colorado Rural Legal Services. The internship involves a writing requirement.

## Interdisciplinary Studies

Customize your degree with an Interdisciplinary Studies Major. The Bachelor of Arts in Interdisciplinary Studies is designed to allow students whose academic and professional interests do not fit an existing major to devise, in consultation with an advisor, a major that encompasses two or more disciplines.

### Bachelor of Arts in Interdisciplinary Studies

- Individualized Program of Study – in the Individualized Program of Study students must design a degree program that intentionally combines coursework from two different disciplines.
- General Agriculture
  - [Business Track](#)
  - [Biology Track](#)
- Food Studies with emphasis in:
  - [Health & Wellness](#)
  - [Sustainability](#)
  - [Business & Food Policy](#)
  - [Sociology/Social Justice](#)

### Credit Requirements for Interdisciplinary Studies Degree

#### General Education

- 31 credit hours

#### Interdisciplinary Studies Major: (20 credits each from two academic disciplines)

- 40 credit hours

#### Elective Courses

- 42 credit hours

#### Total for BA Degree

- 120 credit hours

For degree requirements, please contact our interdisciplinary advisor at (719) 587-8336.

### Department Faculty

#### Chairperson

- Office of Academic Affairs

### Bachelor of Arts in Interdisciplinary Studies, General Agriculture – Business

**The BA in Interdisciplinary Studies: General Agriculture** is designed to provide students with a degree drawing from two disciplines, one of which is

agriculture. This degree is delivered in partnership with Colorado State University. Students will enroll in both ASU face to face classes and CSU online or hybrid courses. Upon successful completion of the degree program, students will have a well-built foundation not only in general education but also in two areas of concentrated study.

## Degree Requirements

### Completion of the General Education Requirements (31 credits)

#### Major Requirements (52-54 credits)

- MATH 205: Statistics (3 hours)
- CHEM 131/131L: General Chemistry I & Lab (5 hours)
- CHEM 132/132L: General Chemistry II & Lab (5 hours)
- CHEM 321/321L: Organic Chemistry & Lab (5 hours)
- GEOG 101: Introduction to Physical Geography (4 hours)
- GEOG 201: Intro to Cartography OR \*SOCR 377: GIS Systems in Agriculture (3 hours)
- GEOG 330: Nature & Properties of Soils OR \*SOCR 240: Soil Science (4 hours)
- \*SOCR 350: Soil Fertility & Management & \*SOCR 351: Lab (4 hours)
- \*HORT 100: Horticultural Science OR \*SOCR 100: General Crops (3-4 hours)
- \*HORT 260: Plant Propagation (4 hours)
- \*HORT 310: Greenhouse Management (3 hours)
- \*HORT 368: Landscape Irrigation & Water Conservation OR
- \*SOCR 370: Irrigation Principles (2-3 hours)
- \*BSPM 201: Weed Management & Control (3 hours)
- \*BSPM 355A: Horticulture Pathology: General Pathology &
- \*BSPM 355B: Horticulture Pathology: Turf & Ornamental Disease &
- \*BSPM 355C: Horticulture Pathology: Vegetable & Greenhouse Disease
- OR \*BSPM 361: Elements of Plant Pathology (3 hours)
- SOCR \*420: OR \*421: Crop & Soil Management Systems I or II OR
- HORT \*454: Horticulture Crop Production & Management (Capstone) (1 hour)

\*Colorado State University online course

#### Business Track Requirements (24 credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 304: Principles of Marketing (3 hours)

- BUS 318: Business Statistics (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 363: Managerial Finance (3 hours)
- BUS 364: Agribusiness Management (3 hours)
- BUS 384: Natural Resources/Water Law (3 hours)
- BUS 398: Farm & Ranch Management (3 hours)

#### Electives (14-15 credits):

1-7 credits MUST be upper division credits depending on choices within the major requirements.

## Bachelor of Arts in Interdisciplinary Studies, General Agriculture – Biology

**The BA in Interdisciplinary Studies: General Agriculture** is designed to provide students with a degree drawing from two disciplines, one of which is agriculture. This degree is delivered in partnership with Colorado State University. Students will enroll in both ASU face to face classes and CSU online or hybrid courses. Upon successful completion of the degree program, students will have a well-built foundation not only in general education but also in two areas of concentrated study.

## Degree Requirements

### Completion of the General Education Requirements (31 credits)

#### Major Requirements (52-54 credits)

- MATH 205: Statistics (3 hours)
- CHEM 131/131L: General Chemistry I & Lab (5 hours)
- CHEM 132/132L: General Chemistry II & Lab (5 hours)
- CHEM 321/321L: Organic Chemistry & Lab (5 hours)
- GEOG 101: Introduction to Physical Geography (4 hours)
- GEOG 201: Intro to Cartography OR \*SOCR 377 GIS Systems in Agriculture (3 hours)
- GEOG 330: Nature & Properties of Soils OR \*SOCR 240 Soil Science (4 hours)
- \*SOCR 350: Soil Fertility & Management & \*SOCR 351 Lab (4 hours)
- \*HORT 100: Horticultural Science OR \*SOCR 100 General Crops (3-4 hours)
- \*HORT 260: Plant Propagation (4 hours)
- \*HORT 310: Greenhouse Management (3 hours)
- \*HORT 368: Landscape Irrigation & Water Conservation OR
- \*SOCR 370: Irrigation Principles (2-3 hours)

- \*BSPM 201: Weed Management & Control (3 hours)
  - \*BSPM 355A: Horticulture Pathology: General Pathology &
  - \*BSPM 355B: Horticulture Pathology: Turf & Ornamental Disease &
  - \*BSPM 355C: Horticulture Pathology: Vegetable & Greenhouse Disease
  - OR \*BSPM 361: Elements of Plant Pathology (3 hours)
  - SOCR \*420: OR \*421: Crop & Soil Management Systems I or II OR
  - HORT \*454: Horticulture Crop Production & Management (Capstone) (1 hour)
- \*Colorado State University online course

### **Biology Track Requirements:**

- BIOL 209/209L: General Biology I & Lab (5 hours)
- BIOL 210/210L: General Biology II & Lab (5 hours)
- BIOL 321: Genetics (3 hours)
- BIOL 330: Ecology (4 hours)
- BIOL 332: Evolution (3 hours)
- BIOL 423: Plant Physiology (4 hours)
- BIOL 461: Entomology OR (CSU option) (3 hours)

### **Plus Electives (9-11 credits):**

0-7 credits MUST be upper division credits depending on choices made within the major requirements.

## **Health & Wellness**

### **Degree Requirements**

### **Completion of the General Education Requirements (31 credits)**

[General Education Curriculum](#)

### **Core Requirements (45 Credits):**

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)

- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

### **Health, Exercise and Nutrition (17 credits):**

- BIOL 112/112L: Human Anatomy & Lab (4 hours)
- BIOL 205/205L: Human Anatomy & Lab (4 hours)
- KIN 329/329L: Exercise Physiology & Lab (4 hours)
- KIN 301: Sport & Fitness Nutrition (3 hours)
- KIN 380: Diversity and Equity in Sport (3 hours)
- KIN 190: Sport Psychology (3 hours) OR
- KIN 327: Strength & Conditioning (3 hours)

## **Sustainability**

### **Degree Requirements**

### **Completion of the General Education Requirements (31 credits)**

[General Education Curriculum](#)

### **Core Requirements (45 Credits):**

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

### **Sustainability (15 Credits):**

- GSCI 109: Dynamic Earth (4 hours)
- GSCI 311: Climatology (4 hours)
- GSCI 307: Biogeography (3 hours)
- BIOL 330: Ecology (4 hours)

## Business & Food Policy

### Degree Requirements

#### Completion of the General Education Requirements (31 credits)

[General Education Curriculum](#)

#### Core Requirements (45 Credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)
- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

#### Business, Economics and Food Studies Policy (15 Credits):

- ECON 255: Macroeconomics Principles (3 hours)
- ECON 256: Microeconomics Principles (3 hours)
- BUS 304: Principles of Marketing (3 hours) OR BUS 345: Advertising (3 hours)
- BUS 498: World Food Distribution/Ag Economics (3 hours)
- BUS 499: Ag Policy and Farm Bill (3 hours)

## Sociology Social Justice

### Degree Requirements

#### Completion of the General Education Requirements (31 credits)

[General Education Curriculum](#)

#### Core Requirements (45 Credits):

- BUS 105: Introduction to Agribusiness (3 hours)
- BUS 361: Principles of Management (3 hours)
- BUS 365: Small Business Management (3 hours)

- Statistics (choose 1 – MATH 205, SOC 311, BUS 318, HPPE 260) (3 hours)
- BIOL 125: Nutrition (3 hours)
- HPPE 120: Concepts in Wellness (3 hours)
- SOC 425: Environment and Society (3 hours)
- FOOD 100: Perspectives on Food (3 hours)
- FOOD 200: US Food System: Past, Present, and Future (3 hours)
- FOOD 250: Community Food Systems: Farm to Fork and Beyond (3 hours)
- FOOD 300: Food Lab I (3 hours)
- FOOD 350: Food Lab II (3 hours)
- FOOD 400: Food Studies Internship I (3 hours)
- FOOD 450: Food Studies Internship II (3 hours)
- FOOD 499: Food Studies Capstone (3 hours)

#### Sociology (15 Credits)\*:

- SOC 305: Rural Sociology (3 hours)
- SOC 365: Race, Culture and Ethnicity (3 hours)
- SOC 370: Poverty and Social Inequality (3 hours)
- SOC 352: Human Behavior & Social Env. (3 hours)
- SOC 470: Social Welfare Policy (3 hours)

*\*It is suggested that other Sociology courses may fulfill the concentration requirements and can be substituted.*

# Kinesiology

Prepare to be a leader, practitioner, or manager in the fitness, health, and sport industries. The Kinesiology Department at Adams State University offers a number of specialized degrees to prepare you for a career in exercise science, physical education, coaching, sport psychology, and sport management. You'll graduate with competency in the wellness, physiology, anatomy, motor development, sport psychology, strength and conditioning, sport administration and more.

On-campus, you'll have access to state-of-the-art exercise science, biomechanics, strength and conditioning, mental training, cardiac rehabilitation and PE pedagogy labs. Through our collaborations with local K-12 schools, parks & recreation programs, and physical therapy clinics you'll have plentiful opportunities to put your classroom knowledge to practical use. Adams State also offers courses online, so you can access our expert faculty even if you're not physically present.

## Department Faculty

### Chairperson

- Terry Dupler, Ph.D.

### Professors

- Tracey Robinson, Ph.D.

### Associate Professors

- Terry Dupler, Ph.D.
- Brian Zuleger, Ph.D., CMPC

### Assistant Professors

- Sara Erdner, Ph.D., CMPC
- Glen Poklikuha, Ph.D.
- Aaron Tuioti-Mariner, M.A., M.B.A.

### Instructors

- Maria Martinez, M.S.

## Master of Science in Kinesiology

with emphasis in:

- Applied Sport Psychology
- Coaching
- Exercise Science
- Sport Administration

### Applied Sport Psychology Emphasis (online)

The online M.S. in Applied Sport Psychology at Adams State is a 36-credit program that offers a wide range of courses and practical experiences in order to provide students the knowledge and skills necessary to become a sport psychology professional. All courses are offered

online which allows for greater flexibility and optimum convenience for students who hold full-time careers or cannot relocate. Students can complete the program in two years, which includes all coursework and internships.

### Required Core (9 hours):

- KIN 503: Introduction to Research (3 hours)
- KIN 543: Statistical Methods in KIN (3 hours)
- KIN 585: Practicum in Kinesiology (3 hours)

### Sport Psychology Requirements (27 hours):

- KIN 504: Methods of Coaching (3 hours)
- KIN 509: Sports Physiology (3 hours)
- KIN 536: Sport Psychology (3 hours)
- KIN 538: Diversity & Equity in Sport (3 hours)
- KIN 550: Applied Sport Psychology (3 hours)
- KIN 560: Mental Strength & Conditioning (3 hours)
- KIN 570: Ethics in Applied Sport Psychology (3 hours)
- KIN 581: Case Studies in Applied Sport Psychology (3 hours)
- KIN 596: Capstone Project (3 hours)

Total Program Hours: 36

### Coaching Emphasis (online)

The online Master of Science in Coaching at Adams State University is a 36-credit hour program that offers a wide range of courses and practical experiences in order to provide students with the knowledge and skills necessary to become a more highly qualified coach.

### Required Core (6 hours):

- KIN 503: Introduction to Research (3 hours)
- KIN 585: Practicum in Kinesiology (3 hours)

### Coaching Requirements:

- KIN 504: Methods of Coaching (3 hours)
- KIN 509: Sport Physiology (3 hours)
- KIN 527: Sport Law (3 hours)
- KIN 536: Sport Psychology (3 hours)
- KIN 538: Diversity & Equity in Sport (3 hours)
- KIN 539: Strength Management & Leadership in Sport (3 hours)
- KIN 556: Strategic Management & Leadership in Sport (3 hours)
- KIN 520: Mental Health in Sport (3 hours)
- KIN 5XX: Elective (3 hours)
- KIN 5XX: Elective (3 hours)

Substitutions may be made with the approval of the advisor.

**Total Program Hours: 36 hours**

### **Exercise Science Emphasis (on-campus)**

The Master of Science degree in Exercise Science at Adams State is a 36-credit program that offers a wide range of courses and practical experiences in order to prepare students for careers in allied health and sport performance fields. Students can complete the campus-based program in two years which includes coursework, practicum, and research requirements.

A graduate degree in Exercise Science can prepare individuals for leadership roles in corporate fitness, clinical testing, personal training, research, strength and conditioning, or preparation for doctoral-level programs in exercise science.

#### **Required Core:**

- KIN 503: Introduction to Research (3 hours)
- KIN 543: Statistical Methods in KIN (3 hours)
- KIN 585: Practicum in Kinesiology (3 hours)

#### **Exercise Science Emphasis Requirements – Thesis Option (27 hours)**

- KIN 529: Physiology of Exercise (3 hours)
- KIN 530: HP Laboratory Internship (3 hours)
- KIN 539: Strength and Conditioning (3 hours)
- KIN 540: Biomechanics (3 hours)
- KIN 545: Exercise & Sport Nutrition (3 hours)
- KIN XXX: Elective approved by advisor (3 hours)
- KIN 593: Master's Thesis (6 hours)

Students must select one of the following two courses:

- KIN 536: Sports & Exercise Psychology (3 hours) OR
- KIN 538: Diversity & Equity in Sport (3 hours)

#### **Exercise Science Emphasis Requirements – Capstone Option (27 hours)**

- KIN 529: Physiology of Exercise (3 hours)
- KIN 530: HP Laboratory Internship (3 hours)
- KIN 539: Strength and Conditioning (3 hours)
- KIN 540: Biomechanics (3 hours)
- KIN 545: Exercise & Sport Nutrition (3 hours)
- KIN 596: Capstone Project (3 hours)
- KIN XXX: Elective approved by advisor (3 hours)
- KIN XXX: Elective approved by advisor (3 hours)

Students must select one of the following two courses:

- KIN 536: Sports & Exercise Psychology (3 hours) OR
- KIN 538: Diversity & Equity in Sport (3 hours)

Total Program Hours: 36

### **Sport Administration Emphasis (online)**

The online Masters of Science in Sport Administration at Adams State University is a 36-credit program that offers a wide range of courses and practical experiences in order to prepare students for employment in sport administration related careers. The Sport Administration Emphasis has two options: a Thesis option and a capstone option. The Thesis option will provide students the opportunity to further their research interest and prepare them for a doctoral program in sport administration. Students who do not want to pursue a Thesis may continue with the capstone option.

#### **Required Core (6 hours):**

- KIN 503: Introduction to Research (3 hours)
- KIN 585: Practicum in Kinesiology (3 hours)

#### **Sport Administration Requirements – Capstone Option (30 hours)**

- BUS 500: Leadership Skills for Managers (3 hours)
- KIN 505: Sport Marketing & PR (3 hours)
- KIN 515: Administration of Sport (3 hours)
- BUS 520: Managerial Accounting (3 hours)
- KIN 525: Facilities & Event Management (3 hours)
- KIN 527: Sport Law (3 hours)
- KIN 533: Financing Sport (3 hours)
- KIN 538: Social Aspects of Sport & PE (3 hours)
- KIN 556: Strategic Management & Leadership in Sport (3 hours)
- KIN 596: Capstone Project (3 hours)

Total Program Hours: 36

#### **Sport Administration Requirements – Thesis Option (30 hours)**

- BUS 500: Leadership Skills for Managers (3 hours)
- KIN 505: Sport Marketing & PR (3 hours)
- KIN 515: Administration of Sport (3 hours)
- BUS 520: Managerial Accounting (3 hours)
- KIN 525: Facilities & Event Management (3 hours)
- KIN 527: Sport Law (3 hours)
- KIN 533: Financing Sport (3 hours)
- KIN 556: Strategic Management & Leadership in Sport (3 hours)
- KIN 591: Thesis Proposal (3 hours)
- KIN 593: Thesis (3 hours)

Total Program Hours: 36

## Bachelor of Science in Kinesiology, Exercise Science

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

#### Completion of the following core courses (30 hours):

- KIN 100: Foundations of HPPE (3 hours)
- KIN 120: Concepts in Wellness (3 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 329L: Exercise Physiology Lab (1 hours)
- KIN 340: Kinesiology (3 hours)
- KIN 341: Human Motor Development (3 hours)
- KIN 448: Adapted Physical Activity (3 hours)
- KIN 450: Senior Capstone (3 hours)
- BIOL 205: Human Anatomy & Physiology (4 hours)
- BIOL 206: Human Anatomy & Physiology (4 hours)

#### Exercise Science Major Courses (29 hours)

- KIN 302: Sports Psychology (3 hours)
- KIN 309: Care/Prevention Athletic Injur (3 hours)
- KIN 360: Statistics in KIN (3 hours)
- KIN 301: Sport & Fitness Nutrition (3 hours)
- KIN 427: Tech of Coaching Strength & Cond. (3 hours)
- KIN 380: Diversity & Equity in Sports & Society (3 hours)
- KIN 422: Exercise Eval & Fitness Management (3 hours)
- KIN 429: Advanced Exercise Physiology (3 hours)
- KIN 430: Biomechanics (3 hours)
- KIN 484: Exercise Science Practicum (3 hours)

#### Electives (15 hours required)

- CHEM 111: Introductory Chemistry GT-SC1 (4 hours) AND CHEM 111L: Introductory Chemistry Lab (1 hours)

- CHEM 112: Intro Organic/Biological Chem (4 hours) AND CHEM 112L: Intro Organic/Biol Chem Lab (1 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours) AND CHEM 132L: General Chemistry Lab (1 hours)
- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)
- Or other science courses as approved by advisor

#### Total credits: 75 credit hours

*\*All students are required to hold a current and valid CPR, First-Aid, AED card for all upper-division courses.*

## Bachelor of Science in Kinesiology, K-12 Physical Education

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

#### Kinesiology K-12 majors must complete the following core courses (23 credits):

- KIN 120: Concepts in Wellness (3 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 329L: Exercise Physiology Lab (1 hour)
- KIN 340: Kinesiology (3 hours)
- KIN 341: Human Motor Development (3 hours)
- KIN 448: Adapted Physical Activity (3 hours)
- KIN 450: Senior Capstone (3 hours)
- BIOL 112: Human Anatomy (4 hours)

#### Required K-12 Physical Education Teaching Emphasis (30 credits):

- KIN 101: Intro to PE and Sport as a Profession (2 hours)
- KIN 105: Beginning Swimming (1 hour)
- KIN 141: Teaching Team Activities (3 hours)
- KIN 240: Planning and Instructional Design (3 hours)
- KIN 241: Classroom Management in PE (1 hour)
- KIN 242: Assessment in PE (2 hours)
- KIN 251: Teaching Individual/Dual Activities (3 hours)
- KIN 309: Care & Prevention of Athletic Injuries (3 hours)
- KIN 310: Dance Fundamentals K-12 (2 hours)
- KIN 315: PE in Elementary School (3 hours)
- KIN 317: PE in Secondary School (3 hours)
- KIN 318: Field-based PE Lab for Elementary (1 hour)
- KIN 319: Field-based PE Lab for Secondary (1 hour)
- 2 Elective credits (2 hours)

**Required Education Courses (30 credits):**

- ED 200: Perspectives Teaching/Learning (3 hours)
- ED 220: The Exceptional Learner (3 hours)
- ED 416: Class Instruct/Mngmnt: Sec/K-12 (2 hours)
- ED 426: Ed Practices/Assessment: Sec/K-12 (2 hours)
- ED 429: Content Area Literacy (2 hours)
- ED 436L: Field Experience Lab-Sec/K-12 (3 hours)
- ED 455: Student Teaching K-12 (15 hours)

**Total credit hours: 83**

**Bachelor of Science in Kinesiology, Sport & Exercise Studies**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.

- No D grade may apply to a major or minor field.

**Completion of the following KIN Core Courses (25 credits):**

- KIN 100: Foundations of Kinesiology (3 hours)
- KIN 120: Concepts in Wellness (3 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 329L: Exercise Physiology Lab (1 hours)
- KIN 340: Kinesiology (3 hours)
- KIN 341: Human Motor Development (3 hours)
- KIN 448: Adapted Physical Activity (3 hours)
- KIN 450: Senior Capstone (3 hours)
- BIOL 112: Human Anatomy (3 hours)

**Sport & Exercise Studies Emphasis Requirements (33 credits):**

- KIN 210: Sport Comm & Tech (3 hours)
- KIN 301: Sport & Fitness Nutrition (3 hours)
- KIN 305: Sport Fac. & Event Mngmnt (3 hours)
- KIN 309: Care and Prevention of Athletic Injuries (3 hours)
- KIN 350: Methods of Coaching (3 hours)
- KIN 360: Statistics in KIN (3 hours)
- KIN 380: Diversity/Equity Sprrt & Socty (3 hours)
- KIN 422: Exercise Eval & Fitness Manage (3 hours)
- KIN 427: Techniques of Coaching Strength & Cond. (3 hours)
- KIN 484: Exercise Science Practicum (3 hours)
- KIN XXX: Kinesiology Elective (3 hours)

**Electives (22 credits required):**

- BUS 103: Introduction to Business (3 hours)
- BUS 385: Sports Marketing (3 hours)
- KIN 391: Sport Ethics & Leadership (3 hours)
- KIN 429: Advanced Exercise Physiology (3 hours)
- KIN 430: Biomechanics (3 hours)
- or other courses as approved by an advisor

**Bachelor of Science in Kinesiology, Sport and Recreation Management**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.



- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### **Kinesiology Core Requirements (25 hours)**

- BIOL 112: Human Anatomy (4 hours)
- KIN 100: Foundations of KIN (3 hours)
- KIN 120: Concepts in Wellness (2 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 329L: Exercise Physiology Lab (1 hour)
- KIN 340: Kinesiology (3 hours)
- KIN 341: Human Motor Development (3 hours)
- KIN 448: Adapted Physical Activity (3 hours)
- KIN 450: Senior Capstone (3 hours)

### **Sport and Recreation Management Emphasis (33 hours)**

- BUS 103: Introduction to Business (3 hours)
- BUS 385: Sports Marketing (3 hours)
- KIN 210: Sport Communications & Technology (3 hours)
- KIN 305: Sport Facility Management (3 hours)
- KIN 360: Statistics in Kinesiology (3 hours)
- KIN 390: Risk Management (3 hours)
- KIN 391: Sport Ethics & Leadership (3 hours)
- KIN 405: Event Management (3 hours)
- KIN 415: Funding Sports Organizations (3 hours)
- KIN 425: Sport Law (3 hours)
- KIN 485: Practicum in Sport Management (3 hours)

### **Pre-Requisites for KIN 415 (3 hours required)**

- BUS 207: Principles of Accounting I (3 hours) **OR**
- ECON 256: Principles of Economics II (3 hours)

### **Electives (12 hours required)**

- Electives may be taken in Business, KIN, Mass Communications, or other field as approved by advisor
- \*or other courses as approved by advisor

### **Minor in Coaching**

The coaching minor in Kinesiology is designed for those who are not majoring in Kinesiology but would like to coach at the amateur level, including elementary, junior high, secondary, or post-secondary levels.

### **Degree Requirements**

### **A minor in coaching consists of the following (Total 18 hours):**

- KIN 302: Sports Psychology (3 hours)
- KIN 309: Care/Prevention of Athletic Injuries (3 hours)
- KIN 350: Methods of Coaching (3 hours)
- KIN 380: Diversity & Equity in Sport & Society (3 hours)
- KIN 391: Sport Ethics & Leadership (3 hours)
- KIN 480: Coaching Practicum (3 hours)

A coaching practicum is required for the minor. The practicum may be accomplished, with the approval of the department chair, by assisting with an elementary, junior or senior high school program, or with college sports program.

Completion of the practicum will qualify the individual for the Adams State University Coaching Certification. A prerequisite to the practicum is KIN 350 AND at least 10 hours in the coaching minor core.

### **Minor in Fitness Management**

#### **Degree Requirements**

#### **Required Core:**

- KIN 205: Sport and Recreation Management (3 hours)
- KIN 210: Sport Communication & Techniques (3 hours)
- KIN 305: Sport Facility Management (3 hours)
- KIN 390: Risk Management (3 hours)
- KIN 391: Sport Ethics & Leadership (3 hours)
- KIN 425: Sport Law (3 hours)

#### **Total Credits: 18**

### **Minor in Kinesiology**

A minor in Kinesiology is available in consultation with the department chair. It generally consists of 18 hours of core Kinesiology courses. Physical education activity classes cannot be used to fulfill minor requirements.

### **Pre-Physical Therapy**

#### **Requirements**

A physical therapy degree is an advanced degree program offered at selected universities. Some programs are at the master's degree level, but many are at the doctorate level. All require a bachelor's degree with a minimum GPA of 3.0 (average acceptance GPA of 3.5) and a GRE score higher than 1,500 (with a minimum of

500 in each section) for admission. In addition, most require a minimum number of hours working with a physical therapist. The bachelor's degree may be in any major, but a set of core courses in the sciences and other disciplines is required. Often, a list of recommended courses is suggested. Students must check with the schools to which they will apply for specific requirements, preferably early in their undergraduate career, because of the wide diversity of requirements. This will facilitate scheduling of the required courses along with major and general education requirements.

**requisites for General Chemistry and College Physics. A sufficiently high score on the mathematics portion of the ACT or SAT may waive these particular math requirements, but you need to take one math course as part of your general education requirements.**

**Core science and math courses required for many programs include:**

- BIOL 205: Human Anatomy & Physiology (4 hours)
- BIOL 206: Human Anatomy & Physiology (4 hours)
- BIOL 203: General Biology GT-SC1 (5 hours)
- BIOL 204: General Biology GT-SC1 (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours)
- CHEM 132L: General Chemistry Lab (1 hours)
- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)
- PHYS 226: College Physics II (5 hours)
- PSYC 101: Introduction to Psyc GT-SS3 (3 hours)

**Other courses that may be required or recommended:**

- BIOL 125: Nutrition (3 hours)
- CHEM 321: Organic Chemistry (4 hours)
- CHEM 321L: Organic Chemistry Lab (1 hours)
- CHEM 401: Biochemistry (3 hours)
- CHEM 401L: Biochemistry Lab (1 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 340: Kinesiology (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- PSYC 204: Child Development (3 hours)
- PSYC 205: Adolescent and Adult Development (3 hours)
- PSYC 430: Abnormal Psychology (3 hours)
- SOC 201: Soc Imagination GT-SS3 (3 hours)

**Note: Most schools require General Chemistry but some will allow CHEM 111 and 112— Introductory Chemistry. MATH 106 and 107 are pre- or co-**

## ***Latino Studies***

The Latino Studies minor will provide students from departments across campus the opportunity to expand their understanding of economic, social and cultural relationships in an ever more globalized world. This cross-disciplinary minor includes courses from the fields of language, history, literature, sociology and political science. The minor is taught by faculty whose courses touch upon Latino culture, history, politics, language, and society.

### **Department Faculty**

#### **Chairperson**

- Richard Loosbrock, Ph.D.

#### **Professors**

- Aaron Abeyta, M.F.A.
- Mari Centeno, Ph.D.

#### **Associate Professors**

- Eva Rayas Solis, Ph.D.
- Nick Saenz, Ph.D.

## **Minor in Latino Studies**

### **Degree Requirements**

#### **Completion of the following required course (4 credits):**

- SPAN 103: Elementary Spanish I (4 hours) OR  
SPAN 104: Elementary Spanish II (4 hours)

#### **Elective Courses (15 hours)**

Students must take one course in each of the following disciplines: ENG, POLS, HIST, and SOC from the offerings listed below. The remaining three credit hours may be taken from any of the courses below or any 300 or 400 level Spanish course.

- ENG 365: Ethnic & Minority Literature (3 hours)
- ENG 375: Chicano Literature (1 TO 6 hours)
- HIST 328: Chicano History (3 hours)
- HIST 355: Latin America to 1830 (3 hours)
- HIST 356: Latin America Since 1830 (3 hours)
- HIST 357: Mexico (3 hours)
- POLS 325: Political Mvmnts/Latin America (3 hours)
- POLS 468: U S/Latin American Relations (3 hours)
- SOC 318: "Race, Class, and Gender" (3 hours)
- SOC 365: Race, Culture, and Ethnicity (3 hours)

- ENG 375, HIST 379, POLS 379, and SOC 379 "Special Topics" courses that have content relevant to Latino Studies may also count as electives for the Latino Studies Minor. To determine a course's eligibility for inclusion in the minor, please consult with the student's advisor or the Chair of the HAPSS Department.

# Mathematics

The Mathematics Program offers four degree programs in mathematics and computer science: a Bachelor of Arts degree in mathematical sciences, a Bachelor of Arts degree in mathematics with secondary teacher licensure, and Bachelor of Science degrees in mathematical sciences with emphases in either computer science or physics. Students following the various degree programs may prepare themselves for teaching, positions in private industry or government, or for graduate study in mathematics, computer science, or an allied field.

[Chemistry, Computer Science and Mathematical Sciences Department](#)

## Department Faculty

### Chairperson

- Christina Miller, Ph.D.

### Professors

- Stephen Aldrich, Ph.D.
- Matt Nehring, Ph.D.
- Tony D. Weathers, Ph.D.
- Chris Adams, Ph.D.

### Associate Professors

- Meredith Anderson, Ph.D.

### Assistant Professors

- Ashley Clayton
- George Sellman

## Bachelor of Arts in Mathematics

### Degree Requirements

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Completion of the following required courses:

- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- MATH 220: Multivariable Calculus (4 hours)
- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 321: Linear Algebra (3 hours)
- MATH 322: Algebraic Structures I (3 hours)
- MATH 420: Advanced Analysis I (3 hours)
- MATH 471: Senior Assessment (1 hours)
- MATH 472: Senior Assessment (1 hours)
- CSCI 205: Computer Science I (5 hours) OR CSCI 202: Progrm/Science/Math/Engr (3 hours)

### A minimum of 9 hours from the following:

- MATH 323: Algebraic Structures II (3 hours)
- MATH 327: Differential Equations (3 hours)
- MATH 330: Numerical Analysis (3 hours)
- MATH 331: Modern Geometry (3 hours)
- MATH 335: History of Mathematics (3 hours)
- MATH 340: Probability & Statistics (3 hours)
- MATH 375: Simulation (3 hours)
- MATH 421: Advanced Analysis II (3 hours)
- MATH 430: Complex Analysis (3 hours)

### Completion of required support courses:

- ENG 226: Basic Grammar & Hist:English (3 hours)
- ENG 357: Introduction to Linguistics (3 hours) OR ENG 363: Advanced Composition (3 hours)
- OR
- One year of foreign language

**Plus a minimum of two science courses (at least nine credit hours) selected from the following list (which fulfills the general education science requirement):**

- BIOL 209: General Biology I GT-SC1 (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours) AND CHEM 132L: General Chemistry Lab (1 hours)
- GEOL 111: Physical Geology (4 hours) OR GEOG 101: Intro/Physical Geog (GT-SC1) (4 hours)
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours)

- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

## **Bachelor of Arts in Mathematics with Secondary Teacher Licensure, Track 1**

Students interested in pursuing a career teaching high school mathematics are strongly encouraged to consider Secondary Licensure Track 1. Requirements for the Bachelor of Arts in Mathematics must be completed.

### **Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### **Completion of the secondary teacher licensure requirements.**

Bachelor of Arts with Secondary Education Licensure

### **ED 340: Methods/Teaching Math-Sec (3 hours)**

**Students are strongly encouraged to select the following three courses as their upper-division mathematics electives:**

- MATH 331: Modern Geometry (3 hours)
- MATH 335: History of Mathematics (3 hours)
- MATH 340: Probability & Statistics (3 hours)

## **Bachelor of Arts in Mathematics with Secondary Teacher Licensure, Track 2**

This degree track is designed to meet the needs of individuals interested in teaching mathematics at the middle-school level and to increase the number of middle-school teachers with a strong mathematics background.

Note: Colorado does not grant licensure for the middle-

school grades separate from high school, and furthermore defines the term “highly qualified” (used in the No Child Left Behind Act) as 24 credits in a content area. This degree track exceeds the 24 credit “highly qualified” definition; it follows the suggestions set forth by the Mathematical Association of America (MAA) for prospective middle-school teachers (grades 6-8) and provides appropriate background for someone to meet the Colorado Model Content Standards for mathematics at the middle-school level. However, the coursework in this degree track does NOT provide sufficient background in several areas as described in the guidelines set forth by the MAA for preparing high school teachers (grades 9-12), nor does it meet the requirements for secondary licensure (mathematics) in all states (i.e., a traditional B.A. degree in mathematics). In summary, this degree track is designed to meet the needs of middle school teachers, provides adequate preparation for a high school teacher in a rural environment, and exceeds the 24 credit hours of content benchmark set by the state for secondary licensure in a content area.

### **Degree Requirements**

**Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### **Completion of the secondary teacher licensure requirements.**

Bachelor of Arts with Secondary Education Licensure

### **ED 340: Methods/Teaching Math-Sec (3 hours)**

**Completion of the following required courses:**

- MATH 120: Calculus I GT-MA1 (5 hours)
- MATH 121: Calculus II GT-MA1 (5 hours)
- MATH 150: Liberal Arts Mathematics GT-MA1 (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)

- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 331: Modern Geometry (3 hours)
- MATH 335: History of Mathematics (3 hours)
- MATH 471: Senior Capstone I (1 hours)
- MATH 472: Senior Capstone II (1 hours)

**Plus a minimum of six credits selected from the following list, of which not more than three credits can be a computer programming course:**

- CSCI 101: Introduction to Programming (3 hours)
- CSCI 205: Computer Science I (5 hours)
- MATH 140: Geometry Using Technology (3 hours)
- CSCI 202: Progrmg/Science/Math/Enginrg (3 hours)
- MATH 220: Multivariable Calculus (4 hours)
- MATH 321: Linear Algebra (3 hours)
- MATH 322: Algebraic Structures I (3 hours)
- MATH 327: Differential Equations (3 hours)
- MATH 330: Numerical Analysis (3 hours)
- MATH 340: Probability & Statistics (3 hours)
- MATH 420: Advanced Analysis I (3 hours)
- MATH 430: Complex Analysis (3 hours)

**Completion of required support courses:**

- ENG 226: Basic Grammar & Hist:English (3 hours)
- ENG 357: Introduction to Linguistics (3 hours) OR ENG 363: Advanced Composition (3 hours)
- OR
- One year of foreign language

## Bachelor of Arts in Pure Mathematics

### Degree Requirements

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses or their equivalents (44 hours)**

- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- CSCI 205: Computer Science I (5 hours)
- MATH 220: Multivariable Calculus (4 hours)
- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 321: Linear Algebra (3 hours)
- MATH 322: Algebraic Structures I (3 hours)
- MATH 323: Algebraic Structures II (3 hours)
- MATH 420: Advanced Analysis I (3 hours)
- MATH 421: Advanced Analysis II (3 hours)
- MATH 430: Complex Analysis (3 hours)
- MATH 440: Topology (3 hours)
- MATH 471: Senior Assessment (1 hours)
- MATH 472: Senior Assessment (1 hours)

**Plus a minimum of two science courses selected from the following list, which fulfills the general education science requirement (9 hours)**

- BIOL 209: General Biology I GT-SC1 (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours) AND CHEM 132L: General Chemistry Lab (1 hours)
- GEOL 111: Physical Geology – GT-SC1 (4 hours) OR GEOG 101: Intro/Physical Geog (GT-SC1) (4 hours)
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours)
- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

**Additional Support Courses (6 hours, or 9 with foreign language)**

- ENG 226: Basic English Grammar (3 hours)
- AND any of the following options:
- ENG 357: Introduction to Linguistics (3 hours)
- ENG 363: Advanced Composition (3 hours)
- 1 year of foreign language

**Total hours: 87 (or 90 if foreign language is chosen)**

## Bachelor of Science in Applied Mathematics

### Degree Requirements

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses or their equivalents:**

- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- CSCI 205: Computer Science I (5 hours)
- MATH 220: Multivariable Calculus (4 hours)
- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 321: Linear Algebra (3 hours)
- MATH 327: Differential Equations (3 hours)
- MATH 330: Numerical Analysis (3 hours)
- MATH 340: Probability & Statistics (3 hours)
- MATH 471: Senior Assessment (1 hours)
- MATH 472: Senior Assessment (1 hours)

**Plus one of the two following options:**

- MATH 375: Simulation (3 hours) AND MATH 479: Special Topics (1 TO 5 hours)
- OR
- CSCI 345: Net-Centric Computing (3 hours) OR CSCI 479: Special Topics (1 TO 5 hours)

**Plus a minimum of two science courses selected from the following list (which fulfills the general education science requirement):**

- BIOL 209: General Biology I GT-SC1 (5 hours)
- CHEM 131: General Chemistry GT-SC1 (4 hours) AND CHEM 131L: General Chemistry Lab (1 hours)
- CHEM 132: General Chemistry GT-SC1 (4 hours) AND CHEM 132L: General Chemistry Lab (1 hours)
- GEOL 111: Physical Geology – GT-SC1 (4 hours) OR GEOG 101: Intro/Physical Geog (GT-SC1) (4 hours)
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours)

- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)

**Additional Support Courses:**

- ENG 226: Basic English Grammar (3 hours)
- AND any of the following options:
- ENG 357: Introduction to Linguistics (3 hours)
- ENG 363: Advanced Composition (3 hours)
- 1 year of foreign language

**Total hours of MATH and CSCI: 40**

**Total hours: 83 (or 86 if foreign language is chosen)**

## **Bachelor of Science in Mathematical Sciences**

### **Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the following required courses of their equivalents:**

- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- CSCI 205: Computer Science I (5 hours)
- CSCI 206: Computer Science II (3 hours)
- PHYS 230: General Physics I GT-SC1 (4 hours) AND PHYS 231: General Physics I Lab GT-SC1 (1 hours)
- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours) AND PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)
- MATH 321: Linear Algebra (3 hours)
- MATH 471: Senior Assessment (1 hours)
- MATH 472: Senior Assessment (1 hours)

**Plus a minimum of 35 credit hours from courses selected from the following list:**

- CHEM 431: Phys Chem Lec/Thermodynamics (3 hours)
- CHEM 432: Phys Chem Lec/Quantum Mechanics (3 hours)
- CHEM 433: Physical Chemistry Laboratory (2 hours)
- CHEM 434: Physical Chemistry Laboratory (2 hours)
- CSCI 307: Prgrming Languages & Platforms (3 hours)
- CSCI 316: Computer Architecture (3 hours)
- CSCI 317: Computer Operating Systems (4 hours)
- CSCI 325: Algorithm Design & Analysis (3 hours)
- CSCI 328: Artfci Intelgnce/Machine Lrng (3 hours)
- CSCI 343: Database Systems (3 hours)
- CSCI 347: Softwre Dvlpmnt/Prof Practc I (2 hours)
- CSCI 348: Softwre Dvlpmnt/Prof Practc II (2 hours)
- CSCI 418: Multiprocessor Computing (3 hours)
- CSCI 435: Advanced Networking (3 hours)
- MATH 322: Algebraic Structures I (3 hours)
- MATH 323: Algebraic Structures II (3 hours)
- MATH 327: Differential Equations (3 hours)
- MATH 330: Numerical Analysis (3 hours)
- MATH 331: Modern Geometry (3 hours)
- MATH 335: History of Mathematics (3 hours)
- MATH 340: Probability & Statistics (3 hours)
- MATH 375: Simulation (3 hours)
- MATH 420: Advanced Analysis I (3 hours)
- MATH 421: Advanced Analysis II (3 hours)
- MATH 430: Complex Analysis (3 hours)
- PHYS 300: Electronics & Microcontrollers (4 hours)
- PHYS 302: Mechanics (4 hours)
- PHYS 304: Electricity and Magnetism (4 hours)
- PHYS 306: Modern Physics (4 hours)

#### **Additional Support Courses:**

- ENG 226: Basic English Grammar (3 hours)
- AND any of the following options:
- 1 year of foreign language
- OR
- ENG 357: Introduction to Linguistics (3 hours)  
OR ENG 363: Advanced Composition (3 hours)

## **Bachelor of Science in Mathematical Sciences, Computer Science Emphasis**

### **Degree Requirements**

### **Completion of requirements for a bachelor's degree, including general education requirements, 120 credits of acceptable coursework, and at least 42 upper-division credits.**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### **Completion of the following required courses:**

- MATH 120: Calculus I GT-MA1 (5 hours)
- MATH 121: Calculus II GT-MA1 (5 hours)
- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 321: Linear Algebra (3 hours)
- IT 152: Practical Unix (2 hours)
- IT 240: Information Assurance/Security (3 hours)
- CSCI 104: Fundamentals of Programming (3 hours)
- CSCI 205: Computer Science I (5 hours)
- CSCI 206: Computer Science II (3 hours)
- CSCI 224: Discrete Concepts (3 hours)
- CSCI 235: Foundations of Networks (3 hours)
- CSCI 307: Prgrming Languages & Platforms (3 hours)
- CSCI 317: Computer System & Architecture (4 hours)
- CSCI 325: Algorithm Design & Analysis (3 hours)
- CSCI 328: Artfci Intelgnce/Machine Lrng (3 hours)
- CSCI 341: Web Design (3 hours)
- CSCI 343: Database Systems (3 hours)
- CSCI 347: Softwre Dvlpmnt/Prof Practc I (2 hours)
- CSCI 348: Softwre Dvlpmnt/Prof Practc II (2 hours)
- CSCI 418: Multiprocessor Computing (3 hours)
- CSCI 435: Advanced Networking (3 hours)
- CSCI 471: Senior Capstone I (1 hours)
- CSCI 472: Senior Capstone II (1 hours)

### **Completion of required support courses:**

- ENG 226: Basic Grammar & Hist:English (3 hours)



- ENG 357: Introduction to Linguistics (3 hours)  
OR ENG 363: Advanced Composition (3 hours)
- OR
- One year of foreign language

## Minor in Computer Science

### Requirements

- CSCI 205: Computer Science I (5 hours)
- CSCI 206: Computer Science II (3 hours)

### Plus 4 courses of the following:

- CSCI 224: Discrete Concepts (3 hours)
- CSCI 307: Prgrming Languages & Platforms (3 hours)
- CSCI 316: Computer Architecture (3 hours)
- CSCI 317: Computer System & Architecture (4 hours)
- CSCI 325: Algorithm Design & Analysis (3 hours)
- CSCI 328: Artfci Intelgnce/Machine Lrng (3 hours)
- CSCI 418: Multiprocessor Computing (3 hours)
- CSCI 435: Advanced Networking (3 hours)

## Minor in Mathematics

- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- MATH 220: Multivariable Calculus (4 hours)
- MATH 250: Intro to Mathematical Thought (3 hours)
- MATH 3XX Electives approved by the dept. chair.

## Minor in Physics

### Candidates for the minor in physics are required to take the following course work:

- PHYS 230: General Physics I GT-SC1 (4 hours)
- PHYS 231: General Physics I Lab GT-SC1 (1 hours)
- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours)
- PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)
- PHYS 306: Modern Physics (4 hours)
- PHYS XXX Electives approved by the department chair (4 hours)

## Mathematics Emphasis for Elementary Education Licensure

### Degree Requirements

Students in the Bachelor of Arts in Interdisciplinary Studies degree preparing to be elementary teachers must complete a content emphasis area of 15 to 21 credits.

### Two of the following courses:

- MATH 106: College Algebra GT-MA1 (3 hours)
- MATH 107: Trig/ Analytic Geometry GT-MA1 (3 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)

### Completion of all the following courses:

- MATH 140: Geometry Using Technology (3 hours)
- MATH 150: Librl Arts Mathematics GT-MA1 (3 hours)
- MATH 205: Intro to Statistical Methods (3 hours)
- CSCI 101: Introduction to Programming (3 hours) OR CSCI 104: Fundamentals of Programming (3 hours)

## Degree Requirements for Bachelor of Arts in Interdisciplinary Studies with Elementary Education Licensure

## Pre-Engineering Transfer Program

Colorado School of Mines, Colorado State University and the University of Colorado cooperate with Adams State University to facilitate transfer of credit for the courses listed in the pre-engineering program. Engineering programs differ in their requirements for the first two years.

Consultation with the pre-engineering advisor at Adams State University is essential to ensure proper transfer of credit. Failure to work with a pre-engineering advisor might result in loss of credit during transfer and additional coursework. Advisement is particularly necessary in the selection of elective courses to prevent a delay in graduating from a participating engineering school. The coursework listed below is a typical schedule for students interested in engineering.

### Degree Requirements

#### Freshman Year:

Fall only.

- CHEM 131: General Chemistry GT-SC1 (4 hours)
- CHEM 131L: General Chemistry Lab (1 hours)
- ENG 101: Communication Arts I GT-C01 (3 hours)
- MATH 120: Single Var Calculus I GT-MA1 (5 hours)
- PHYS 102: Intro to Engineering Design (2 hours)

### Spring

- ENG 102: Communication Arts II GT-C02 (3 hours)
- CSCI 202: Programming-Math, Sci, & Eng (3 hours)
- MATH 121: Single Var Calculus II GT-MA1 (5 hours)
- PHYS 230: General Physics I GT-SC1 (4 hours)
- PHYS 231: General Physics I Lab GT-SC1 (1 hours)
- Technical Electives (4-5 credits)
  - Technical electives depend on the choice of major and the engineering program. The selection of electives should be made after consulting with a pre-engineering advisor to ensure proper transfer of credit. Common choices include: CHEM 132: General Chemistry and GEOS 109: Dynamic Earth.

- Humanities and social science electives are dependent on the intended major. Students should consult with their pre-engineering advisor before selecting these courses. Possible courses include: ECON 255—Principles of Economics I, AR 103—Art Awareness, PSYC 106—General Psychology, and courses in English literature, foreign languages, history, music, and philosophy.

### Sophomore Year:

#### Fall only.

- MATH 220: Multivariable Calculus (4 hours)
- PHYS 232: Gen Physics II (Cal) GT-SC1 (4 hours)
- PHYS 233: Gen Phys II Lab (Cal) GT-SC1 (1 hours)
- Fine Arts/Humanities or History Government Electives (6 credits)
  - Humanities and social science electives are dependent on the intended major. Students should consult with their pre-engineering advisor before selecting these courses. Possible courses include: ECON 255—Principles of Economics I, AR 103—Art Awareness, PSYC 106—General Psychology, and courses in English literature, foreign languages, history, music, and philosophy.

#### Spring

- MATH 327: Differential Equations (3 hours)
- Fine Arts/Humanities or History Government Electives (6 credits)

# Music

Music at Adams State is an active and vital program, committed to musical excellence within a small college environment. Each year, more than 400 of the 2,200 on-campus students participate in music through classes, lessons and performing ensembles. The Colorado Commission on Higher Education designated the Adams State Department of Music a Program of Excellence, one of three Adams State programs to have received this honor.

Adams State University is an accredited institutional member of the National Association of Schools of Music. The Department of Music offers Bachelor of Arts degrees in music education (K-12) and music with emphases in liberal arts, music business, music performance, or music composition. Students in any area of emphasis should have the preparation and background necessary to succeed in their chosen fields.

## Department Faculty

### Chairperson

- Beth Robison, D.M.A.

### Professors

- Tracy Doyle, D.M.A.
- William Lipke, D.M.A.
- Beth Robison, D.M.A.
- Matthew Schildt, Ph.D.

### Assistant Professors

- James Doyle, M.M.
- Angela Winter, D.M.A.
- Matthew Valverde, Ph.D.

### Instructors

- Roberto Capocchi
- Marc Eaton
- Lancer Hardy
- Alyssa Powell
- Tyleen Stults

## [Music Department](#)

### Master of Arts in Music Education

The Master of Arts in Music Education degree furthers Adams State University's mission by providing educational opportunities for K-12 teachers to earn a master's degree in music education at a reasonable cost. The Music Education master's program furthers students' musical and professional growth, enhances the

success of the students they serve, and provides graduate coursework necessary for additional salary credit. The degree offers two tracks, using the cohort model. For the first track, all courses are delivered online. The second track is a combined online/on-campus program. Students in this track enroll in the same online core and supporting courses as the first track. Students in the second track choose an area of concentration in performance, composition, or conducting, in lieu of electives. These courses are delivered face-to-face and require a two semester residency in addition to the summer residency at the beginning of the degree program.

### Admission Requirements

Students desiring to enroll in the Master of Arts degree program in Music Education must:

1. hold a baccalaureate degree in music from an accredited institution or hold a baccalaureate degree in another subject and have a.) completed a state licensure program in music or b.) earned a passing grade on a state standardized licensure exam in music or music education, such as the Program for Licensing Assessments for Colorado Music Educators (PLACE), the Praxis exam, etc.
2. have a cumulative undergraduate GPA of at least 3.0 for the last 30 credit hours of the degree.

All applicants must submit the following information to the Department of Music, Adams State University, 208 Edgemont Blvd., Suite 3040, Alamosa, CO 81101.

1. An application for admission to graduate study.
2. A \$30 non-refundable application fee.
3. Unofficial transcripts verifying receipt of the baccalaureate degree. Official transcripts from all institutions attended are required by the ASU Graduate School after acceptance.
4. Letter of intent, approximately 1 page, discussing interests, background, the emphasis of interest, and professional goals.
5. A philosophy of education essay, approximately 1 page, that will be used to assess writing skills for eligibility into the program.
6. Resume – include academic, teaching, and professional musical experience.
7. Two recent letters of reference including reference contact information that outline the student's strengths and weaknesses, likely success in a graduate program, and what the student will bring to the field of music education. One letter should be from an immediate and/or current supervisor. Both letters should be dated.

8. Students applying to the combined online/ on-campus program with a concentration in *performance or conducting* will audition in person or submit an audition CD/DVD. Students applying to the combined online/on-campus program with a concentration in *composition* will submit representative original compositions with their application.

The department chair will notify students of admission decisions.

### **Degree Requirements**

- Minimum degree requirements are 30 hours.
- Students must maintain a cumulative GPA of at least 3.0 throughout the degree.

All candidates for a master's degree in music education must meet graduation requirements as set forth in the Adams State University Academic Catalog.

### **Music Education Online Track**

#### **Course Requirements (minimum 30 credits)**

#### **Required Core**

- MUED 565: Intro to Music Ed Research (3 hours)
- MUED 567: Music Ed History & Philosophy (3 hours)
- MUED 568: Soc & Psych of Music Ed (3 hours)
- MUED 596: Music Ed Curriculum Project (3 hours)

#### **Supportive Studies**

- MUED 503: Analytical Techniques (3 hours)
- MUED 504: Composition and Arranging (3 hours)
- MUED 534: Music Literature and Pedagogy (3 hours)

#### **Additional Supportive Studies**

- MUED 521: World Music and Culture (3 hours)
- MUED 523: Topics in Jazz and Rock (3 hours)
- MUED 533: American Music History (3 hours)

A three-day residency on the Adams State campus in Alamosa, Colorado is required.

#### **Music Education Online/On-Campus Track with concentrations in:**

- Composition
- Conducting
- Performing

#### **Course Requirements (minimum 30 credits)**

### **Required Core**

- MUED 565: Intro to Music Ed Research (3 hours)
- MUED 567: Music Ed History & Philosophy (3 hours)
- MUED 568: Soc & Psych of Music Ed (3 hours)
- MUED 596: Music Ed Curriculum Project (3 hours)

### **Supportive Studies**

- MUED 503: Analytical Techniques (3 hours)
- MUED 504: Orchestration and Arranging (3 hours)
- MUED 534: Music Literature and Pedagogy (3 hours)

### **Area of Concentration**

- MUED 540: Applied Lessons (2 hours)
- MUED 541: Applied Lessons (2 hours)
- Small Ensemble (2 credits total-courses may be repeated)
  - MUED 546: Jazz Ensemble (1 hours)  
OR MUED 548: Jazz Singers (1 hours)  
OR MUED 549: Chamber Ensemble (1 hours) OR MUED 555: Wind Ensemble (1 hours)
- Large Ensemble (2 credits total-courses may be repeated)
  - MUED 545: Band (1 hours) OR MUED 547: Concert Choir (1 hours) OR MUED 550: Orchestra (1 hours)
- MUED 595: Graduate Recital (1 hours)

A three-day residency on the Adams State campus in Alamosa, Colorado is required. An additional on-campus residency during the first two semesters of the program is required for completion of courses in the concentration area.

### **Bachelor of Arts in Music, Business**

#### **Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

#### **Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

## Degree Requirements

### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.
- Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.

### Completion of the following required courses in Music:

- MUS 000: Recital Attendance (7 semesters)
- MUS 106.FYA 101: Careers in the Music Industry (3 hour)
- MUS 103 Introduction to Music Technology (1 hour)
- MUS 104 Music Theory I (3 hours)
- MUS 108 Aural Skills I (1 hour)
- MUS 140: Applied Music (2 hours) (2 semesters)
- MUS 141: Applied Music II (2 hours) (2 semesters)
- MUS 204 Music Theory II (3 hours)
- MUS 208 Aural Skills II (1 hour)
- MUS 240: Applied Music (2 hours) (2 semesters)
- MUS 241: Applied Music II (2 hours) (2 semesters)
- MUS 245/250 Band, Orchestra (1 hour) (7 semesters)
  - (7 semesters of one Ensemble) or (Approved Upper Division Ensemble)
- **OR**
- MUS 247, 257/457: Concert and/or Chamber Choir (1 hour) (7 semesters)
  - 7 semesters of any combination
- MUS 304: Advanced Music Theory (3 hours)
- MUS 308: Advanced Aural Skills (1 hour)
- MUS 320: Advanced Piano Class (1 hour)
- MUS 327: Music History II (3 hours)
- MUS 340: Applied Music (2 hours)
- MUS 360: Conducting Techniques (2 hours)

- MUS 375: Music Recording Techniques (3 hours)
- MUS 376: Topics in Music Business (3 hours)
- MUS 377: Music Business Internship (3 hours)
- MUS 378: Music Recording Seminar (2 hours)
- MUS 476: Music Business Capstone (2 hours)

### Applied area options:

#### Single applied area

- MUS 140, 141: Applied Music (2 credits, 2 credits)
- MUS 240, 241: Applied Music (2 credits, 2 credits)
- MUS 340: Applied Music (2 credits)

#### Multiple applied area (two – three applied areas possible)

- MUS 140, 141: Applied Music (Area 1) (2 credits, 2 credits)
- MUS 140, 141: Applied Music (Area 2) (2 credits, 2 credits)
- MUS 140: Applied Music (Area 3) (2 credits)
  
- MUS 140, 141, 240: Applied Music (Area 1) (2 credits, 2 credits, 2 credits)
- MUS 140, 141: Applied Music (Area 2) (2 credits, 2 credits)

#### Two of the following courses (MUS 380 is a 1 credit course and therefore must be taken twice to count as one course):

- MUS 326: Music History I (3 hours)
- MUS 333: Form & Analysis (2 hours)
- MUS 380: Commercial Music Composition and Production (1 hour) (must be taken twice)
- AR 202: In Design (3 hours)
- AR 206: Studio One (3 hours)
- AR 208: Drawing (3 hours)
- AR 220: Painting (3 hours)
- AR 281: Digital Photography (3 hours)
- COMM 275: News Writing and Criticism (3 hours)
- COMM 280: Visual Rhetoric (3 hours)
- COMM 360: Media Management (3 hours)
- CSCI 104: Fundamentals of Programming (3 hours)
- THTR 205: Improvisational Acting (3 hours)
- THTR 210: Stage Makeup (3 hours)
- THTR 223: Beginning Acting (3 hours)
- THTR 285: Production Management (3 hours)
- THTR 334: Lighting Design (3 hours)

**Completion of the following business courses (21 credits):**

- BUS 103: Introduction to Business (3 hours)
- BUS 207: Principles of Accounting I (3 hours)
- BUS 211: Business Law (3 hours)
- BUS 304: Principles of Marketing (3 hours)
- BUS 361: Principles of Management (3 to 4 hours)
- BUS 365: Small Bus Management/Entrepreneur (3 hours)
- ECON 255: Macroeconomics Principles (3 hours)

**Optional class**

- BUS 265: Business Communications (3 hours)
- and/or BUS 362: Human Resource Management (3 hours)
- and/or BUS 401: Organizational Behavior (3 hours)

**Bachelor of Arts in Music, Composition**

**Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

**Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

- Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.

**Completion of the following required courses in Music:**

- MUS 000: Recital Attendance (7 semesters)
- MUS 106/FYS 1010: Careers in the Music Industry (3 hours)
- MUS 103: Introduction to Music Technology (1 hour)
- MUS 104 Music Theory I (3 hours)
- MUS 108 Aural Skills I (1 hour)
- MUS 140: Applied Music (2 hours) (2 semesters)
- MUS 141: Applied Music II (2 hours) (2 semesters)
- MUS 204: Music Theory II (3 hours)
- MUS 208: Aural Skills II (1 hour)
- MUS 240: Applied Music (2 hours) (2 semesters)
- MUS 241: Applied Music II (2 hours) (2 semesters)
- MUS 245/250 Band, Orchestra (1 hour) (7 semesters)
  - (7 sems. of one Ensemble) or (Approved Upper Division Ensemble)
- **OR**
- MUS 247, 257/457: Concert and/or Chamber Choir (1 hour) (7 semester)
  - 7 semesters of any combination
- MUS 304: Advanced Music Theory (3 hours)
- MUS 308: Advanced Aural Skills (1 hour)
- MUS 320: Advanced Piano Class (1 hour)
- MUS 326: Music History I (3 hours)
- MUS 327: Music History II (3 hours)
- MUS 333: Form and Analysis (3 hours)
- MUS 340: Applied Music (2 hours)
- MUS 341: Applied Music (2 hours)
- MUS 360: Conducting Techniques (2 hours)

**MUS XXX Upper-division music electives (2 credits)**

**Completion of 18 credits of the following:**

- MUS 242: Applied Music – Composition (2 hours)
  - and MUS 243: Applied Music – Composition (2 hours)
  - and MUS 342: Applied Music – Composition (2 hours)
  - and MUS 343: Applied Music – Composition (2 hours)
- MUS 375: Music Recording Techniques (3 hours)

- MUS 444: Senior Project – Composition (2 hours)
- MUS 445: Senior Recital (2 hours)
- MUS XXX: Upper-division music theory or composition electives (3 hours)

## **Bachelor of Arts in Music, Liberal Arts**

### **Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

### **Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

### **Degree Requirements**

#### **Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.
- Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.

#### **Completion of the following required courses in Music:**

- MUS 000: Recital Attendance (7 semesters)
- MUS 103: Introduction to Music Technology (1 hour)
- MUS 104 Music Theory I (3 hours)
- MUS 106: Careers in the Music (1 hour)
- MUS 108 Aural Skills I (1 hour)
- MUS 140: Applied Music (2 hours) (2 semesters)
- MUS 141: Applied Music II (2 hours) (2 semesters)

- MUS 204: Music Theory II (3 hours)
- MUS 208: Aural Skills II (1 hour)
- MUS 240: Applied Music (2 hours) (2 semesters)
- MUS 241: Applied Music II (2 hours) (2 semesters)
- MUS 245/247/250 Band, Concert Choir, Orchestra (1 hour) (7 semesters) (7 sems. of one Ensemble) or (Approved Upper Division Ensemble)
- MUS 304: Advanced Music Theory (3 hours)
- MUS 308: Advanced Aural Skills (1 hour)
- MUS 320: Advanced Piano Class (1 hour)
- MUS 326: Music History I (3 hours)
- MUS 327: Music History II (3 hours)
- MUS 333: Form and Analysis (3 hours)
- MUS 340: Applied Music (2 hours)
- MUS 341: Applied Music (2 hours)
- MUS 360: Conducting Techniques (2 hours)

### **Liberal Arts Emphasis Requirements**

- Completion of a minor of at least 18 semester hours outside the Music Department or 18 elective hours within the Music Department.
- MUS XXX: Upper-division music electives (2 credits)

## **Bachelor of Arts in Music, Music Education K-12**

### **Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

### **Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

### **Degree Requirements**

#### **Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.

- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100, plus the K-12 teacher licensure requirements listed under the Department of Teacher Education.**

**Completion of the following required courses (55 hours):**

- MUS 000: Recital Attendance (0 hours) 7 semesters
- MUS 106/FYS 101: Careers in the Music Industry (3 hours)
- MUS 103: Intro to Music Technology (1 hours)
- MUS 104: Music Theory I (3 hours)
- MUS 108: Aural Skills I (1 hours)
- MUS 140: Applied Music (2 hours)
- MUS 141: Applied Music (2 hours)
- MUS 204: Music Theory II (3 hours)
- MUS 208: Aural Skills II (1 hours)
- MUS 240: Applied Music (2 hours)
- MUS 241: Applied Music (2 hours)
- MUS 304: Advanced Theory (3 hours)
- MUS 308: Advanced Aural Skills (1 hours)
- MUS 320: Advanced Piano Class (1 hours)
- MUS 322: Percussion Methods (1 hours)
- MUS 323: Brass Methods (1 hours)
- MUS 324: Woodwind Methods (1 hours)
- MUS 325: String Methods (1 hours)
- MUS 326: Music History I (3 hours)
- MUS 327: Music History II (3 hours)
- MUS 333: Form and Analysis (2 hours)
- MUS 340: Applied Voice (2 hours)
- MUS 341: Applied Voice (2 hours)
- MUS 345: Junior Recital (1 hours)
- MUS 360: Conducting Techniques (2 hours)
- MUS 421: Elem School Music Methods (3 hours)
- MUS 422: Secondary School Music Methods (3 hours)

**Completion of ONE of the following areas of specialization:**

**Choral:**

- MUS 247, 257, or 457: Concert or Chamber Choir (7 semesters of any combination)
- MUS 460: Advanced Choral Conducting (2 hours)

- MUS 226: Lyrical Diction I (3 hours)
- MUS 227: Lyrical Diction II (3 hours)

**Instrumental:**

- MUS 245: Band (1 hours) OR MUS 250: Orchestra (1 hours)
  - (or approved upper-division large ensemble) 7 credits total
- MUS 321: Voice Methods (1 hours)
- MUS 461: Advanced Instr Conducting (2 hours)
- MUS 486: Marching Band Techniques (2 hours)

**Completion of upper-division jury exam and completion of piano proficiency exam prior to student teaching.**

**Completion of department senior assessment procedures.**

## **Bachelor of Arts in Music, Performance**

**Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

**Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- [General education courses](#) must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.
- Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.



**Completion of the following required courses:**

- MUS 000: Recital Attendance (7 semesters)
- MUS 106/FYS101: Careers in the Music Industry (3 hours)
- MUS 103: Intro to Music Technology (1 hours)
- MUS 104: Music Theory I (3 hours)
- MUS 108: Aural Skills I (1 hours)
- MUS 140: Applied Music (2 hours)
- MUS 141: Applied Music (2 hours)
- MUS 204: Music Theory II (3 hours)
- MUS 208: Aural Skills II (1 hours)
- MUS 240: Applied Music (2 hours)
- MUS 241: Applied Music (2 hours)
- MUS 245/250: Band or Orchestra (1 hours)
  - 7 semesters of one Ensemble or approved upper division ensemble
- OR
- MUS 247, 257/457: Concert and/or Chamber Choir
  - 7 semesters of any combination (7 credits total)
- MUS 304: Advanced Theory (3 hours)
- MUS 308: Advanced Aural Skills (1 hours)
- MUS 320: Advanced Piano Class (1 hours)
- MUS 326: Music History I (3 hours)
- MUS 327: Music History II (3 hours)
- MUS 333: Form and Analysis (2 hours)
- MUS 340: Applied Music (2 hours)
- MUS 341: Applied Music (2 hours)
- MUS 360: Conducting Techniques (2 hours)

**Performance Requirements:**

- MUS 345: Junior Recital (1 hours)
- MUS 440: Applied Music (2 hours)
- MUS 441: Applied Music (2 hours)
- MUS 445: Senior Recital (2 hours)
- MUS 376: Topics in Music Business (3 hours)

**Completion of ONE of the following areas of specialization:****Instrumental:**

- MUS 427: Instrumental Lit & Pedagogy (3 hours)
- MUS 449: Chamber Ensemble (1 hours)
- MUS XXX Upper-division music electives (5 credits)

**Piano:**

- MUS 428: Piano Literature and Pedagogy (3 hours)
- MUS 364: Accompanying Practicum I (2 hours)

- MUS 365: Accompanying Practicum II (2 hours)
- MUS 449: Chamber Ensemble (1 hours)
  - 2 semesters (2 credits total)
- MUS XXX Upper-division music electives (2 credits)

**Voice:**

- MUS 429: Voice Literature and Pedagogy (3 hours)
- MUS 426: Song Literature (3 hours)
- MUS 252: Music Theatre Workshop (1 hours)
- MUS 226: Lyric Diction I (3hours)
- MUS 227: Lyric Diction II (3 hours)
- MUS XXX Upper-division music electives (2 credits)

**Completion of department senior assessment procedures.****Completion of upper-division jury exam.****Completion of piano proficiency exam.****Additional Requirements for Music Majors**

Departmental policies and regulations affecting music majors and minors are published annually in the Department of Music Handbook for Music Students. Included are requirements for recital attendance and ensemble participation, as well as departmental assessment procedures such as proficiency exams, admission to upper-division study, and admission to teacher certification/ licensure programs. The Department of Music Handbook for Music Students is available from the department office for each music major and minor. Please see the Course Specific Fees section for information on applied music fees.

**Minor in Music**

A minor in music is available under any bachelor's degree program at the university through the Department of Music.

**Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

**Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.

- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

**Course requirements are as follows:**

- MUS 000: Recital Attendance (0 hours)
- MUS 100: Intro to Music Lit GT-AH1 (3 hours)
- MUS 103: Intro to Music Technology (1 hours)
- MUS 104: Music Theory I (3 hours)
- MUS 108: Aural Skills I (1 hours)
- MUS 204: Music Theory II (3 hours)
- MUS 208: Aural Skills II (1 hours)
- MUS 140: Applied Music (2 hours)
- MUS 141: Applied Music (2 hours)
  - 2 semesters (2 credits total)
- MUS 245: Band (1 hours) OR MUS 247: Concert Choir (1 hours) OR MUS 250: Orchestra (1 hours)
  - 7 semesters of the same large ensemble (7 credits total)

**Music Emphasis for Elementary Education Licensure**

**Degree Requirements**

**Completion of requirements for a bachelor’s degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

For elementary education licensure, students must complete the Content Area Emphasis and Bachelor of Arts in Interdisciplinary Studies Degree Requirements Required Courses for Emphasis

***Nursing***

Adams State University is pleased to offer nursing. A four-year B.S.N. program is available. The program is accredited by CCNE (Commission on Collegiate Nursing Education). Upon completion of the four-year B.S.N. Program, new graduates are eligible to take the R.N. license exam.

**Department Faculty**

**Chairperson**

- Melissa Milner, D.N.P, B.S.N, M.S.N.

**Assistant Professors**

- Alice Burch, D.N. P., B.S.N., M.S.N.
- Kim Chacon, R.N., B.S.N, M.S.N.
- Fallon Crowther, R.N., B.S.N, M.S.N.
- Melissa Milner, D.N.Pc., B.S.N., M.S.N.

**Instructors**

- Morgan Cummons, M.S.N., B.S.
- Christine Anderson, B.S.N., Clinical Placement Coordinator

[Nursing Department Page](#)

**Bachelor of Science in Nursing (4-year degree program)**

The B.S.N. degree is a four-year prelicensure degree program. Upon successful completion of the degree, students are eligible to take the R.N. license exam.

**Admission Requirements**

Four-year B.S.N. undergraduate students typically apply for admission with the Nursing Department at the end of their freshman year and enter the B.S.N. program their sophomore year.

**B.S.N. Admission Requirements**

1. Acceptance into ASU.
  1. Transfer students must be accepted by August 30.
  2. Send unofficial transcripts from all institutions attended other than Adams State University
2. B.S.N. application and a \$35.00 non-refundable fee. Mack check payable to “Adams State University Nursing.”
3. Recommended 3.0 GPA required after completion of all general education courses and nursing pre-requisites, acceptance is

CONDITIONAL on any prerequisite course grades completed the fall semester before admittance. Minimum grade of B in all biology and chemistry courses and the PSYC 211 course. SAT or ACT scores are required as well.

4. Proof of enrollment in prerequisite courses for fall semester prior to acceptance.
5. A 500-word autobiographical essay
6. Your resume.
7. Two letters of recommendation; at least one from a professor and the second letter from someone in an authoritative position, such as a professor, employer or coach. Letters from relatives are not acceptable. Letters are to be sent directly to ASU Nursing, 208 Edgemont Blvd. Suite 2250, Alamosa CO 81101.
8. Documentation showing submission of fingerprints and background check to American DataBank. Contact the ASU Nursing Office for forms.
9. C.N.A. licensure is highly recommended but not required for admission to the B.S.N. program. If you do have your licensure, please submit your documentation showing C.N.A. licensure or proof of successful completion of C.N.A. course. May also submit proof of enrollment into a C.N.A. course if taking after application deadline (if applicable).

Complete application packets are due by July 15 prior to the sophomore year. Students will receive notification of admission status by September 1 of sophomore year.

Late applications will be considered only on a space available basis. Admission materials and guidelines are available at [nursing.adams.edu](http://nursing.adams.edu).

## Degree Requirements

### Completion of Writing Assessment

**Completion of the following supporting courses/general education with a minimum grade of C-, unless noted otherwise:**

- ENG 101: Communication Arts I GT-C01 (3 hours)
- ENG 102: Communication Arts II GT-C02 (3 hours)
- PSYC 101: Introduction to Psyc GT-SS3 (3 hours)
- PSYC 233: Lifespan Dev for Nurses (3 hours)
- SOC 201: Soc Imagination GT-SS3 (3 hours)
- HGP 110: Development of Civ GT-HI1 (3 hours) OR HGP 111: Development of Civ GT-HI1 (3 hours) OR HIST 202: American Hist to

1865 GT-HI1 (3 hours) OR HIST 203: Amer Hist 1865-Present

- GT-HI1 (3 hours)
- Two of the following courses
  - AR 103: Art Appreciation GT-AH1 (3 hours) AND/OR ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours) AND/OR MUS 100: Intro to Music Lit GT-AH1 (3 hours) AND/OR THTR 180: Intro to Theatre GT-AH1 (3 hours) AND/OR PHIL 201: Intro to Philosophy GT-AH3 (3 hours) AND/OR COMM 255: Fndmntls of Media Comm GT-AH2 (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)
  - (Grade of C or better is required. C- is not acceptable.)
- MATH 104: Finite Mathematics GT-MA1 (3 hours) OR MATH 106: College Algebra GT-MA1 (3 hours) OR MATH 120: Calculus I GT-MA1 (5 hours)
- BIOL 125: Nutrition (3 hours)
  - (Grade of C or better is required. C- is not acceptable.)
- BIOL 205: Human Anatomy & Physiology (4 hours)
  - (Grade of C or better is required. C- is not acceptable.)
- BIOL 206: Human Anatomy & Physiology (4 hours)
  - (Grade of C or better is required. C- is not acceptable.)
- BIOL 215: Microbiology for Non-Majors (4 hours)
  - (Grade of C or better is required. C- is not acceptable.)
- CHEM 105: Intro to Gen, Org, & Bio Chem (4 hours)
  - (Grade of C or better is required. C- is not acceptable.)
- CHEM 105L: Intro to Gen, Org, & Bio Chem (1 hours)
  - (Grade of C or better is required. C- is not acceptable.)

### Completion of Required Nursing Courses:

- NURS 201: Math for Nursing (1 hours)
- NURS 202: Nursing Informatics (1 hours)
- NURS 206: Pathophysiology (4 hours)
- NURS 207: Health Assessment (3 hours)
- NURS 208: Pharmacology (4 hours)
- NURS 211: Professional Practice (2 hours)
- NURS 308: Nursing Research (2 hours)
- NURS 309: Nursing Fundamentals (6 hours)

- NURS 309C: Nursing Fundamentals Clinical (3 hours)
- NURS 310: Medical Surgical Nursing I (4 hours)
- NURS 310C: Med/Surg Nursing I Clinical (4 hours)
- NURS 311: Care of the Older Adult (2 hours)
- NURS 314: Health Care Ethics (2 hours)
- NURS 315: Rural/Community Health (2 hours)
- NURS 315C: Rural/Community Health Clinical (2 hours)
- NURS 407: Obstetric Nursing (3 hours)
- NURS 407C: Obstetric Nursing Clinical (2 hours)
- NURS 408C: Pediatric Nursing Clinical (2 hours)
- NURS 409: Psychiatric Nursing (3 hours)
- NURS 409C: Psychiatric Nursing Clinical (2 hours)
- NURS 414C: Nursing Internship (6 hours) (2 credit hours theory and 4 credit hours clinical)
- NURS 415: Nursing Management (2 hours)
- NURS 415C: Nursing Management Clinical (2 hours)
  - Application of nursing leadership and management principles learned in NURS 415 will be the focus of this course. Application of concepts learned take place in the clinical setting. Critical thinking and evidence based practice will be emphasized.
- NURS 416: Medical Surgical Nursing II (4 hours)
- NURS 416C: Medical/Surgical Nursing II Clinical (4 hours)
- NURS 417A: Service Learning A (0.5 hours)
- NURS 417B: Service Learning B (0.5 hours)
- NURS 417 C: Service Learning C (1 hour)

**The B.S.N. degree is a four-year prelicensure degree program. Upon successful completion of the degree, students are eligible to take the R.N. license exam.**

## ***Outdoor Education and Stewardship***

Ever wondered what it would be like to work outside for a living? If you like hiking, camping, hunting, fishing, paddling rivers, climbing mountains, or would like to know more about how to get involved in these activities, we can help you turn that into a fulfilling career!

The interdisciplinary approach for the Outdoor Education and Stewardship (OES) degree prepares students to work in a diverse field. Designed to give outdoor professionals flexibility in building their careers, students gain skills in outdoor leadership, management, education, and environmental stewardship. Located within the department of Biology and Earth Sciences, the OES degree deepens students' knowledge of environmental science and humankind's relationship to the land. With its unique emphasis on stewardship, students will be putting their knowledge to practice by engaging in local projects including trail building, habitat and river restoration, and outdoor education for youth across the San Luis Valley. This degree will give you skills and experience complementing your desire to care for and protect wild places.

### **Department Faculty**

#### **Co-Chairpersons**

- Benita Brink, Ph.D.
- Tim Armstrong, Ph.D.

#### **Instructors**

- Curt Howell, M.Ed.

## **Bachelor of Arts in Outdoor Education and Stewardship, Adventure Education Emphasis**

### **Degree Requirements**

#### **OES Courses: (35 Credit Hours)**

- OES 101 Outdoor Recreation Essentials (3 Credits)
- OES 200 Foundations of Outdoor Education (3 Credits)
- OES 261 Outdoor Leadership Expedition (6 Credits)
- OES 266 Wilderness First Aid (1 Credit)
- OES 269 Observing Nature (3 Credits)
- OES 300 Programming Lab (1 Credit)
- OES 350 Experiential Education (3 Credits)
- OES 367 Facilitation of Adventure Experiences (3 Credits)

- OES 370 Environmental Stewardship (3 Credits)
- OES 450 Program Design and Management (3 Credits)
- OES 451 Internship (3 Credits)
- OES 480 Capstone Seminar in Outdoor Ed (3 Credits)

**Environmental Science Courses (17 Credit Hours)**

- ENV 101 Intro to Environmental Sciences (4 Credit)
- GSCI 212 Natural Resource Management on Public Lands (3 Credits)
- GSCI 307 Biogeography (3 Credits)
- BIOL 330 Ecology (4 Credits)
- BIOL 314 Conservation Biology (3 Credits)

**People and Culture (3 Credit Hours)**

- SOC 425 Environment and Society (3 Credits)

**Concentration: Adventure Recreation (16 Credit Hours)**

**Site Management Courses (8 Credits)**

- OES 263 Mountain Bike Site Management (2 Credits)
- OES 262 Climbing Wall Instructor (1 Credit)
- OES 264 Rock Climbing Site Management (2 Credits)
- OES 265 Ice Climbing Site Management (2 Credits)
- OES 267 Outfitter and Guide Site Management (2 Credits)
- OES 270 Paddle Sports Site Management (2 Credits)
- OES 327 Snowpack and Terrain Assessment (3 Credits)

**Technical Skill Electives (4 Credits)**

- OES 121 Introduction to Rock Climbing (1 Credit)
- OES 122 Introduction to Canoeing and SUPs (1 Credit)
- OES 123 Introduction to Mountain Biking (1 Credit)
- OES 124 Introduction to Kayaking (1 Credit)
- OES 125 Winter Recreation Essentials (1 Credit)
- OES 126 Introduction to Ice Climbing (1 Credit)
- OES 127 Trail Building and Stewardship (1 Credit)
- OES 310 Snow Mountaineering (1 Credit)

**Advanced Technical Skill Course (4 Credits)**

- OES 330 Advanced Technical Skill (2 Credits)

**\*Required Support Courses (9 Credits)**

- GSCI 109 Dynamic Earth (4 Credits)
- BIOL 209 General Biology I/LAB (5 Credits)

**Completion of Required Certification Course**  
Wilderness First Responder

**Total Credit Hours: 71**

**Bachelor of Arts in Outdoor Education and Stewardship, Environmental Education Emphasis**

**Degree Requirements**

**OES Courses: (35 Credit Hours)**

- OES 101 Outdoor Recreation Essentials (3 Credits)
- OES 200 Foundations of Outdoor Education (3 Credits)
- OES 261 Outdoor Leadership Expedition (6 Credits)
- OES 266 Wilderness First Aid (1 Credit)
- OES 269 Observing Nature (3 Credits)
- OES 300 Programming Lab (1 Credit)
- OES 350 Experiential Education (3 Credits)
- OES 367 Facilitation of Adventure Experiences (3 Credits)
- OES 370 Environmental Stewardship (3 Credits)
- OES 450 Program Design and Management (3 Credits)
- OES 451 Internship (3 Credits)
- OES 480 Capstone Seminar in Outdoor Ed (3 Credits)

**Environmental Science Courses (17 Credit Hours)**

- ENV 101 Intro to Environmental Sciences (4 Credit)
- GSCI 212 Natural Resource Management on Public Lands (3 Credits)
- GSCI 307 Biogeography (3 Credits)
- BIOL 330 Ecology (4 Credits)
- BIOL 314 Conservation Biology (3 Credits)

**People and Culture (3 Credit Hours)**

- SOC 425 Environment and Society (3 Credits)

**Concentration: Environmental Education 16 Credit Hours**

**Additional Environmental Science Courses (6 Credits)**

*Minimum of one course from each prefix is required*

- GSCI 201 Intro to Cartography and GIS (3 Credits)

- GSCI 311 Climatology (4 Credits)
- GSCI 420 Remote Sensing (4 Credits)
- BIOL 467 Wildlife Management (2 Credits)
- BIOL 468 Vegetation and Habitat Management (2 Credits)
- BIOL 469 Fisheries Management (2 Credits)
- GSCI 330 Nature and Properties of Soils (4 Credits)
- GSCI 440 Groundwater (4 Credits)

#### **Resource Management Courses (6 Credits)**

- BUS 105 Intro to Agribusiness (3 Credits)
- BUS 361 Principles of Management (3 Credits)
- BUS 384 Natural Resources/Water Law (3 Credits)

#### **Site Management Course (2 Credits)**

- OES 263 Mountain Bike Site Management (2 Credits)
- OES 262 Climbing Wall Instructor (1 Credit)
- OES 264 Rock Climbing Site Management (2 Credits)
- OES 265 Ice Climbing Site Management (2 Credits)
- OES 267 Outfitter and Guide Site Management (2 Credits)
- OES 270 Paddle Sports Site Management (2 Credits)
- OES 327 Snowpack and Terrain Assessment (3 Credits)

#### **Technical Skill Electives (2 Credits)**

- OES 121 Introduction to Rock Climbing (1 Credit)
- OES 122 Introduction to Canoeing and SUPs (1 Credit)
- OES 123 Introduction to Mountain Biking (1 Credit)
- OES 124 Introduction to Kayaking (1 Credit)
- OES 125 Winter Recreation Essentials (1 Credit)
- OES 126 Introduction to Ice Climbing (1 Credit)
- OES 127 Trail Building and Stewardship (1 Credit)
- OES 310 Snow Mountaineering (1 Credit)
- OES 330 Advanced Technical Skill (2 Credits)

#### **\*Required Support Courses (9 Credits)**

- GSCI 109 Dynamic Earth (4 Credits)
- BIOL 209 General Biology I/LAB (5 Credits)

**Total Credit Hours: 71**

## ***Psychology***

The Bachelor of Arts degree with a major in psychology functions as a pre-professional program for graduate study or preparation for a career in mental health, personnel work, education, business, and other occupations requiring a person to understand and interact with human behavior. A minor in psychology is also available.

#### **Department Faculty**

##### **Chairperson**

- Colleen M. Schaffner, Ph.D.

##### **Professors**

- Jeffrey Elison, Ph.D.
- Rena Kirkland, Ph.D.
- Gina Mitchell, Ph.D.

##### **Assistant Professors**

- Michael Liebhaber, Ph.D.

[Psychology Department Page](#)

## **Bachelor of Arts in Psychology**

Optional emphases:

- Developmental Psychology
- Clinical Psychology

#### **Degree Requirements**

##### **Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

##### **Completion of the following required courses (at least 12 hours must be completed at ASU):**

- PSYC 204: Child Development (3 hours)
- PSYC 205: Adolescent and Adult Development (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)

- PSYC 230: Psychology of Mental Health (3 hours)
- PSYC 245: Brain and Behavior (3 hours)
- PSYC 265: Personalities in Perspective (3 hours)
- PSYC 330: Professional Seminar (1 hours)
- PSYC 355: Research Methods in Psychology (4 hours)
- PSYC 414: Cognitive Psychology (3 hours)
- PSYC 468: History and Systems of Psych (3 hours)
- PSYC 495: Independent Research (3 hours)
- PSYC 496: Capstone: Internship – effective for S23 Graduates (1-6 hours)

**Six hours of electives from the following:**

- PSYC 386: Psychology of Learning: Theories and Practice (3 hours)
- PSYC 410: Social Psychology (3 hours)
- PSYC 416: Biological Psychology (3 hours)
- PSYC 455: Evolutionary Psychology (3 hours)
- PSYC 458: Sensation and Perception (3 hours)

**Plus 6 semester hours of 300- to 400-level psychology electives (or clinical or developmental psychology emphasis).**

Possible Upper-level Electives (at least 2 are required for the major)

- PSYC 315: Multicultural Issues (3 hours)
- PSYC 316: Drugs, Society & Human Behavior (3 hours)
- PSYC 345: Psychological Testing & Assessment (3 hours)
- PSYC 360: Psychology of Gender (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- PSYC 384: Forensic Psychology (3 hours)
- PSYC 480: Honors Seminar in Psychology (3 hours)
- PSYC 495: Independent Research (3 hours)

**All psychology majors must complete the following major assessment plan prior to graduation:**

1. Complete a major field examination.
2. Submit all major papers (300 and 400 level) to professors in duplicate. (This will allow the department to accumulate a portfolio of the student's work.)
3. Participate in an exit interview with a committee of psychology faculty (arranged with advisor).

**Emphasis in Clinical Psychology (optional)**

Completion of the following required courses:

- COUN 312: Introduction to Counseling (3 hours)

- PSYC 345: Psychological Testing & Assess (3 hours)
- PSYC 386: Psychology of Learning: Theories and Practice (3 hours)

Plus 3 hours from the following:

- PSYC 315: Multicultural Issues (3 hours)
- PSYC 316: Drugs, Society & Human Behavior (3 hours)
- PSYC 360: Psychology of Gender (3 hours)

Plus 6 hours from the following:

- PSYC 410: Social Psychology (3 hours)
- PSYC 416: Biological Psychology (3 hours)
- PSYC 455: Evolutionary Psychology (3 hours)
- PSYC 458: Sensation and Perception (3 hours)

**Overall total required credits for Psychology Major/ Clinical Emphasis (48 Credit hours)**

**Emphasis in Developmental Psychology (optional)**

Completion of the following required courses:

- PSYC 310: Child & Adoles Abnormal Psych (3 hours)
- PSYC 387: Adulthood and Aging (3 hours)

Plus 6 hours from the following:

- PSYC 345: Psychological Testing & Assess (3 hours)
- PSYC 360: Psychology of Gender (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- PSYC 386: Psychology of Learning: Theories and Practice (3 hours)

Plus 6 hours from the following:

- PSYC 410: Social Psychology (3 hours)
- PSYC 416: Biological Psychology (3 hours)
- PSYC 455: Evolutionary Psychology (3 hours)
- PSYC 456: Theories of Learning (3 hours)
- PSYC 458: Sensation and Perception (3 hours)

**Total Emphasis: 18 credits**

**Bachelor of Arts in Sport Psychology**

The Bachelor of Arts degree with an interdisciplinary major in sport psychology functions as a pre-professional program for graduate study in sport psychology, in sport and exercise physiology, and/or in counseling.

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).

- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Sport Psychology majors must complete the following core courses:**

- KIN 100: Foundations of Kinesiology (3 hours)
- BIOL 112: Human Anatomy (4 hours)
- OR
- BIOL 205: Human Anatomy & Physiology (4 hours) AND BIOL 206: Human Anatomy & Physiology (4 hours)
- KIN 209: Care/Prevention Athletic Injur (2 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 329L: Exercise Physiology Lab (1 hours)
- KIN 340: Kinesiology (3 hours)
- KIN 341: Human Motor Development (3 hours)
- KIN 327: Tech/Coach Strength Cond (3 hours) OR KIN 422: Exercise Eval & Fitness Manage (3 hours)
- KIN 450: Senior Capstone (3 hours)

**Sport Psychology:**

- KIN 190: Sports Psychology (3 hours)
- KIN 350: Methods of Coaching (3 hours)
- KIN 380: Diversity/Equity Sprt & Socty (3 hours)
- KIN 436: Applied Sport Psychology (3 hours)

**Psychology:**

- PSYC 205: Adolescent & Adult Development (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)
- PSYC 245: Brain and Behavior (3 hours)
- COUN 312: Introduction to Counseling (3 hours)
- LS 225: Research Skills/Behavior Sci (1 hours)
- PSYC 355: Research Methods in Psychology (4 hours)
- PSYC 386: Psychology of Learning: Theories and Practice (3 hours)
- PSYC 410: Social Psychology (3 hours) OR PSYC 465: Theories of Personality (3 hours)

**Completion of six hours of the following electives:**

- PSYC 315: Multicultural Issues (3 hours)
- PSYC 316: Drugs,Society & Human Behavior (3 hours)

- PSYC 360: Psychology of Gender (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- PSYC 380: Health Psychology (3 hours)
- PSYC 410: Social Psychology (3 hours) OR PSYC 265: Personalities in Perspective (3 hours)
- PSYC 458: Sensation and Perception (3 hours)

**Minor in Psychology**

A minor in psychology is a great complement for many majors, especially in fields like nursing and business where today's employers are putting more and more emphasis on interpersonal skills. The minor will provide a broad overview of several important areas in psychology, all of which will help students appreciate why people behave in certain ways.

**Minor Requirements:**

- PSYC 204: Child Development (3 hours)
- PSYC 205: Adolescent and Adult Development (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)
- PSYC 245: Brain and Behavior (3 hours)
- Plus nine semester hours of 300- to 400-level psychology electives

**Total Hours: 22**

**Minor in Sport Psychology**

**A minor in sport psychology consists of the following:**

- KIN 190: Sports Psychology (3 hours)
- PSYC 205: Adolescent & Adult Development (3 hours)
- KIN 341: Human Motor Development (3 hours)
- PSYC 385: Cognitiv/Behavior Modification (3 hours)
- KIN 380: Diversity/Equity Sprt & Socty (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)

**Plus one of the following:**

- PSYC 360: Psychology of Gender (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- PSYC 265: Personalities in Perspective (3 hours)



# Sociology

The Department of Sociology blends the academic with the practical. Students are instructed in the major sociological theories underlying social life and society and are provided opportunities to apply this knowledge hands-on in the community. The Sociology Department is committed to preparing students for careers in human services and criminal justice, as well as for admission to graduate programs in sociology, social work, and criminology. Sociology majors complete 49 credit hours of sociology courses and select at least one emphasis area either in criminology or social welfare.

- In addition, students complete one or more semester-long internships in a community agency specializing either in human services or criminal justice. The internships are designed to provide marketable skills and experiences that enhance employment and graduate school possibilities. Sociology graduates are employed in a variety of work settings; a sampling of job titles includes Colorado state trooper, child protective services caseworker, family preservation specialist, probation officer, local law enforcement officer, corrections counselor, social services coordinator for the elderly, administrative liaison for children and families, forensic social worker, community corrections officer, caseworker for troubled youth, and victim's advocate.

## Department Faculty

### Chairperson

- Stephanie Hilwig, Ph.D.

### Professors

- Stephanie Hilwig, Ph.D.
- Grace Young, Ph.D.

### Assistant Professors

- Nancy Gonzales, Ph.D.
- Michael Stewart, Ph.D.

### Instructors

- Rebecca Rodriguez, M.A.

## [Sociology Department Page](#)

## Bachelor of Arts in Sociology

### Degree Requirements

#### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

#### **Completion of SOC 201: The Sociological Imagination is a prerequisite for all other sociology courses.**

#### **All sociology majors must take the following 39 hours of core courses:**

(Note: LS 225: Research Skills for the Behavioral Sciences (1 credit) is a pre- or co-requisite for SOC 245 and SOC 251 and a prerequisite for SOC 455.)

- SOC 201: Soc Imagination GT-SS3 (3 hours)
- SOC 245: Criminology (3 hours)
- SOC 251: Social Problems (3 hours)
- SOC 311: Social Statistics (4 hours)
  - BUS 120: Business Computer Applications (3 hours) is a prerequisite for SOC 311.
  - MATH 106: College Algebra (3 credits) is the recommended math prerequisite for SOC 311.
- SOC 340: Readings in Sociology (2 hours)
- SOC 365: Race, Culture, and Ethnicity (3 hours)
- SOC 395: Pre-Professional Seminar (2 hours)
- SOC 401: Social Psychology (3 hours)
- SOC 419: Gender and Society (3 hours)
- SOC 445: Sociological Theory (3 hours)
- SOC 455: Sociological Research Methods (4 hours)

#### **Sociology Electives Courses (6 elective credits)**

- SOC 305: Rural Sociology (3 hours)
- SOC 315: Sociology of Education (3 hours)
- SOC 318: Race, Class, and Gender (3 hours)
- SOC 320: Marriages and Families (3 hours)
- SOC 379: Special Topics (.5 TO 5 hours)
- SOC 419: Gender and Society (3 hours)
- SOC 425: Environment and Society (3 hours)
- SOC 444: Deviance and Control (3 hours)
- SOC 479: Special Topics (1 TO 5 hours)

\*\*For students choosing the Criminology emphasis, SOC 352, SOC 370, and SOC 470 are also available as

elective courses; for students choosing the Social Work emphasis, SOC 346, SOC 347, and SOC 447 are also available as elective courses.

**Students choose one of the following emphases (to complete the final 12 credits required for the 51-credit sociology major):**

**Criminology Emphasis**

- SOC 346: Criminal Justice (3 hours)
- SOC 347: Juvenile Delinquency (3 hours)
- SOC 447: Correctional Systems (3 hours)
- SOC 494: Internship in Criminology (3 TO 6 hours)

**Social Work Emphasis**

- SOC 352: Social Work Practices (3 hours)
- SOC 370: Poverty and Wealth (3 hours)
- SOC 470: Social and Public Programs (3 hours)
- SOC 493: Internship in Social Work (3 TO 6 hours)

**All sociology majors must meet the requirements of the Local Writing Assessment in Sociology.**

**All sociology majors must complete the following sociology assessment plan:**

1. ETS Field Test in Sociology
2. Major Research Project in Sociological Research Methods
3. Internship Final Review

**Minor in Sociology**

Minors (18 hours excluding SOC 201) are available through consultation with any sociology faculty member.

## ***Spanish***

The Languages Program currently offers two emphases in Spanish: liberal arts and secondary education. The program offers a wide variety of classes covering the language, literature, and culture of Spain and Latin America. There are also career-oriented classes such as Spanish for Translation, Spanish for Health Professions, and Spanish for Business. The Spanish student organization, El Parnaso, is one of the oldest on campus. The San Luis Valley is a rich cultural area to study the Spanish language. In addition to the diverse indigenous populations that form the basis of its human geography, it has a deep political and cultural history as a territory of both Spain and Mexico before becoming part of the United States in the mid-19th century. Introductory courses in Japanese and occasionally French may be offered.

**Department Faculty**

**Chairperson**

- Richard Loosbrock, Ph.D.

**Associate Professors**

- Eva Rayas Solis, Ph.D.

## **Bachelor of Arts in Spanish, Liberal Arts Emphasis**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.
  
- SPAN 103: Elementary Spanish I (4 hours)
- SPAN 104: Elementary Spanish II (4 hours)
- SPAN 203: Intermediate Spanish I (3 hours)
- SPAN 204: Reading & Conversation (3 hours)

**Required Core**

- SPAN 313: Conversation and Composition (3 hours)
- SPAN 350: Advanced Grammar & Comp (3 hours)

**Civilization and Culture Courses:**

- SPAN 325: Spanish Civ & Culture (3 hours) OR SPAN 326: Latin American Civ & Culture (3 hours)

**Literature Courses:**

- SPAN 340: Topics in Spanish Literature (3 hours) OR SPAN 341: Topics in Latin Am Literature (3 hours)

**Language Elective Courses (6 hours):**

- SPAN 310: Southwest Spanish (3 hours)
- SPAN 315: Spanish for Business (3 hours)
- SPAN 316: Spanish for Health Professions (3 hours)
- SPAN 317: Spanish for Translation (3 hours)
- SPAN 379: Special Topics (1 TO 6 hours)
- SPAN 395: Spanish Phonetics–Lang Hist (3 hours)
- SPAN 396: Methods Teaching Foreign Lang (3 hours)

**Literature Elective Courses (6 hours):**

- SPAN 400: Masterpieces of Spanish Lit (3 hours)
- SPAN 401: Masterpieces of Latin Am Lit (3 hours)
- SPAN 411: Contemporary Spanish Lit (3 hours)
- SPAN 412: Contemp Latin American Lit (3 hours)
- SPAN 413: La Literatura Indigenista (3 hours)
- SPAN 414: Spanish American Thought (3 hours)
- SPAN 415: Cervantes/El Quijote (3 hours)
- SPAN 416: La Novela/Revolucion Mexicana (3 hours)
- SPAN 419: Golden Age Drama (3 hours)
- SPAN 423: Modern Hispanic Short Story (3 hours)
- SPAN 425: Hispanic Poetry (3 hours)
- SPAN 479: Special Topics (1 TO 6 hours)

**Language/Literature Electives (3 additional hours from above)**

**Successful completion of the Senior Comprehensive Examination (SCE).**

**Successful completion of the Oral Proficiency Interview (OPI) in Spanish at ACTFL level advanced high.**

NOTE: Completion of the SCE and OPI are instruments used by ASU Language Faculty to assess the effectiveness of their program in four areas:

1. Oral performance in speaking, understanding, description, and oral narration;
2. Writing (Grammar);
3. Hispanic culture and literature appreciation;
4. Teaching methodology.

**Bachelor of Arts in Spanish, Secondary Teacher Licensure**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Required Core**

- SPAN 313: Conversation and Composition (3 hours)
- SPAN 350: Advanced Grammar & Comp (3 hours)
- SPAN 395: Spanish Phonetics–Lang Hist (3 hours)
- SPAN 396: Methods Teaching Foreign Lang (3 hours)

**Civilization and Culture Courses:**

- SPAN 325: Spanish Civ & Culture (3 hours) OR SPAN 326: Latin American Civ & Culture (3 hours)

**Literature Courses:**

- SPAN 340: Topics in Spanish Literature (3 hours) OR SPAN 341: Topics in Latin Am Literature (3 hours)

**Language Elective Courses (6 hours):**

- SPAN 310: Southwest Spanish (3 hours)
- SPAN 315: Spanish for Business (3 hours)

- SPAN 316: Spanish for Health Professions (3 hours)
- SPAN 317: Spanish for Translation (3 hours)
- SPAN 379: Special Topics (1 TO 6 hours)

**Literature Elective Courses (6 hours):**

- SPAN 400: Masterpieces of Spanish Lit (3 hours)
- SPAN 401: Masterpieces of Latin Am Lit (3 hours)
- SPAN 411: Contemporary Spanish Lit (3 hours)
- SPAN 412: Contemp Latin American Lit (3 hours)
- SPAN 413: La Literatura Indigenista (3 hours)
- SPAN 414: Spanish American Thought (3 hours)
- SPAN 415: Cervantes/El Quijote (3 hours)
- SPAN 416: La Novela/Revolucion Mexicana (3 hours)
- SPAN 419: Golden Age Drama (3 hours)
- SPAN 423: Modern Hispanic Short Story (3 hours)
- SPAN 425: Hispanic Poetry (3 hours)
- SPAN 479: Special Topics (1 TO 6 hours)

**Language/Literature Electives (3 additional hours from above)**

**Successful completion of the Senior Comprehensive Examination (SCE).**

**Successful completion of the Oral Proficiency Interview (OPI) in Spanish at ACTFL level advanced high.**

NOTE: Completion of the SCE and OPI are instruments used by ASU Language Faculty to assess the effectiveness of their program in four areas:

1. Oral performance in speaking, understanding, description, and oral narration;
2. Writing (Grammar);
3. Hispanic culture and literature appreciation;
4. Teaching methodology.

**Minor in Spanish**

A minor (7 courses) is available in consultation with any Spanish faculty member.

**Spanish Emphasis for Elementary Education Licensure**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**For elementary education licensure, students must complete the Content Area Emphasis and Bachelor of Arts in Interdisciplinary Studies Degree Requirements**

**Required Courses for Emphasis**

# Sport Psychology

The Bachelor of Arts degree with a major in psychology functions as a pre-professional program for graduate study or preparation for a career in mental health, personnel work, education, business, and other occupations requiring a person to understand and interact with human behavior. A minor in psychology is also available.

## Department Faculty

### Chairperson

- Colleen M. Schaffner, Ph.D.

### Professors

- Jeffrey Elison, Ph.D.
- Rena Kirkland, Ph.D.
- Gina Mitchell, Ph.D.

### Assistant Professors

- Michael Liebhaber, Ph.D.

## [Psychology Department Page](#)

## Bachelor of Arts in Sport Psychology

The Bachelor of Arts degree with an interdisciplinary major in sport psychology functions as a pre-professional program for graduate study in sport psychology, in sport and exercise physiology, and/or in counseling.

## Degree Requirements

### Completion of requirements for a bachelor's degree

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

### Sport Psychology majors must complete the following core courses:

- KIN 100: Foundations of Kinesiology (3 hours)
- BIOL 112: Human Anatomy (4 hours)
- OR

- BIOL 205: Human Anatomy & Physiology (4 hours) AND BIOL 206: Human Anatomy & Physiology (4 hours)
- KIN 209: Care/Prevention Athletic Injur (2 hours)
- KIN 329: Exercise Physiology (3 hours)
- KIN 329L: Exercise Physiology Lab (1 hours)
- KIN 340: Kinesiology (3 hours)
- KIN 341: Human Motor Development (3 hours)
- KIN 327: Tech/Coach Strength Cond (3 hours) OR KIN 422: Exercise Eval & Fitness Manage (3 hours)
- KIN 450: Senior Capstone (3 hours)

### Sport Psychology:

- KIN 190: Sports Psychology (3 hours)
- KIN 350: Methods of Coaching (3 hours)
- KIN 380: Diversity/Equity Sprt & Socty (3 hours)
- KIN 436: Applied Sport Psychology (3 hours)

### Psychology:

- PSYC 205: Adolescent & Adult Development (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)
- PSYC 245: Brain and Behavior (3 hours)
- COUN 312: Introduction to Counseling (3 hours)
- LS 225: Research Skills/Behavior Sci (1 hours)
- PSYC 355: Research Methods in Psychology (4 hours)
- PSYC 386: Psychology of Learning: Theories and Practice (3 hours)
- PSYC 410: Social Psychology (3 hours) OR PSYC 465: Theories of Personality (3 hours)

### Completion of six hours of the following electives:

- PSYC 315: Multicultural Issues (3 hours)
- PSYC 316: Drugs, Society & Human Behavior (3 hours)
- PSYC 360: Psychology of Gender (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- PSYC 380: Health Psychology (3 hours)
- PSYC 410: Social Psychology (3 hours) OR PSYC 265: Personalities in Perspective (3 hours)
- PSYC 458: Sensation and Perception (3 hours)

## Minor in Sport Psychology

### A minor in sport psychology consists of the following:

- KIN 190: Sports Psychology (3 hours)
- PSYC 205: Adolescent & Adult Development (3 hours)
- KIN 341: Human Motor Development (3 hours)

- PSYC 385: Cognitiv/Behavior Modification (3 hours)
- KIN 380: Diversity/Equity Sprrt & Socty (3 hours)
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)

**Plus one of the following:**

- PSYC 360: Psychology of Gender (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- PSYC 265: Personalities in Perspective (3 hours)

## ***Teacher Education***

The Teacher Education Department of Adams State University is dedicated to inspiring and empowering the cultivation of educational leaders who embrace diversity, facilitate change, and contribute to the learning and inclusion of all students, particularly in rural regions. Based upon the model of the professional educator as a reflective decision-maker, the Department of Teacher Education prepares:

- Educational leaders who actively participate in school improvement, applying the skills necessary to facilitate school reform while fostering collaboration and cooperation amongst multiple stakeholders
- Competent professionals who seek out and manage resources to support instruction, engage in constructive discourse on a wide range of educational issues, understand and implement state standards, and model best practices
- Culturally responsive teachers who facilitate learning for all students

Content and pedagogical preparation includes:

- A liberal arts education and content area knowledge in the area of licensure
- Application of evidence-based theories and strategies of learning and instruction to classroom practice, including:
  - literacy
  - Colorado content standards based curriculum
  - Instructional management
  - Formal and informal assessment practices
  - Instructional strategies that address a wide range of learning styles, including effective strategies for linguistically and culturally diverse students

The Department of Teacher Education is authorized by the Colorado State Board of Education to provide licensure and endorsement programs. All M.A. degree-seeking candidates must successfully complete a capstone project (CAP) in order to meet requirements for the degree.

### **Department Faculty**

#### **Chairperson**

- Curtis Garcia, Ph.D.

#### **Professors**

- Joaquin Vilá, Ph.D.
- Curtis Garcia, Ph.D.

## Assistant Professors

- Carolyn Casale, Ed.D.
- Bev DeVore-Wedding, Ph.D.
- Michele Mann, Ph.D.
- Kieran Nduagbo, Ph.D.

## Teacher Education Department

### Master of Arts in Education

with endorsements or emphases in:

- Culturally and Linguistically Diverse (CLD) Endorsement  
Curriculum and Instruction Emphasis  
Educational Leadership Program (Principal License)

### Admission Requirements

The graduate teacher education program encourages applications from individuals who have strong academic and professional backgrounds and have demonstrated potential to contribute to the field of education.

Candidates are evaluated on the following criteria:

- Past academic performance, including areas of academic strength, with greater weight given to current course work
- Personal statements included in student's letter of intent listing goals, accomplishments and experience
- Letters of recommendation. We consider the comments made by others who can evaluate the applicant's accomplishments, communication and interpersonal skills, and leadership potential.

The following are required to begin the application process:

- A current professional teacher's license
- A bachelor's degree from an accredited college or university
- A minimum grade point average of 3.0 (If the GPA is between 2.75 and 2.99, the student must obtain a passing score on the GRE or the MAT. The candidate is conditionally admitted and must maintain at least a 3.0 GPA from then on.)

### Degree Requirements

#### Culturally and Linguistically Diverse (CLD) Endorsement Program

The five-semester Master of Arts in Education with a Culturally and Linguistically Diverse (CLD) endorsement focuses on the development of sound

multicultural teaching competencies and educational leadership for service in schools.

Total degree hours: 33 hours

#### Academic Core Required for MA candidates only (Total 9 hours):

- ED 507: Integrated Instruction & Assessment (3 hours)
- ED 534 Multicultural Perspectives (3 hours)
- ED 557: Research Methods (3 hours)

#### Cognate Requirements (24 hours):

- CLD 501: Intro to Study of Language (3 hours)
- CLD 502: Language and Culture (3 hours)
- CLD 503: Sec. Language Acquisition (3 hours)
- CLD 504: TESOL Methods\* (3 hours)
- CLD 505: TESOL Reading\* (3 hours)
- CLD 506: TESOL Writing\* (3 hours)
- CLD XXX: TESOL Topics/Elective Crs. (3 hours)
- CLD 509: TESOL Practicum/Capstone\* (3 hours)

#### TESOL Elective and Topics Courses Include:

- CLD 507: TESOL Tests & Measurement\* (3 hours)
- CLD 508: Bilingualism (3 hours)
- CLD 579: Topics in CLD (3 hours)

Specific course content may vary based on instructor availability and topic demand.

\*Required for Post baccalaureate TESOL Certificate (15 Credit Hours)

#### Added Endorsement Application:

1. Complete master's degree and/or endorsement.
2. Go to [www.cde.state.co.us](http://www.cde.state.co.us) and complete "Application for an Added Endorsement Based on an Approved Program."
3. Fax signature page to the ASU licensure clerk at 719-587-8145.
4. Verification page will be e-mailed to applicant.
5. Complete Colorado Department of Education's application packet online.

#### Curriculum and Instruction Emphasis

The goal of the five-semester Curriculum and Instruction emphasis is to develop strong planning and teaching skills in educators who are dedicated to ensuring all students, particularly students from diverse cultural and linguistic backgrounds, succeed academically.

Total credits: 30, including M.A. Academic Core of 9 credits

**Academic Core:**

- ED 507: Integrated Instruction & Assessment (3 hours)
- ED 534 Multicultural Perspectives (3 hours)
- ED 557: Research Methods (3 hours)

**Cognate Requirements:**

- ED 507: Integrated Instruction and Assessment (3 hours)
- ED 534: Multicultural Perspectives (3 hours)
- ED 590: PLCs Collaboration and Collective Responsibility (3 hours)
- ED 586: Educating Creative and Entrepreneurial Learners (3 hours)
- ED 557: Research Methods (3 hours)
- ED 643: Capstone Project I (Offered fall semester only)
- ED 591: Capstones Project II (Offered spring semester only)

**Elective Requirements (9 credit hours or equivalent)**  
**Students will take or transfer in 9 semester hours of elective in an emphasis of their choice. Courses must be submitted to the Graduate Coordinator for approval.**

**Educational Leadership Program (Principal License)**

The six-semester Educational Leadership program is designed to equip qualified and experienced educators with the knowledge and skills necessary to assume leadership positions in schools, particularly those of program supervisor/director or building principal/assistant principal. Studies include leadership; curriculum, instruction, and assessment; and school management, law and finance. The program emphasizes the role of a school leader as a collaborator and creator of a supportive and stimulating environment for children and teachers.

This course of study leads to a State of Colorado principal license.

Total program credits: 39 including M.A. Academic Core of 9 credits

**Academic Core:**

- ED 507: Integrated Instruction & Assessment (3 hours)
- ED 534 Multicultural Perspectives (3 hours)
- ED 557: Research Methods (3 hours)

**Cognate Requirements:**

- ED 503: Principal License Program Tools/Skills I (3 hours)

- ED 505: Schools and Society (3 hours)
- ED 508: School Law (3 hours)
- ED 515: Principal Internship I – 50 hours (1 hours)
- ED 509: Fiscal Management (3 hours)
- ED 510: Personnel Management (3 hours)
- ED 525: Principal Licensure Intern II – 50 hours (1 hours)
- ED 533: Principal License Tools/Skills II (3 hours)
- ED 528: Managing Curriculum/Instruction/Assessment (3 hours)
- ED 529: Supervision for Improvement of Instruction & Building Level Assessment (3 hours)
- ED 535: Principal Licensure Intrnshp III – 50 hours (1 hours)
- ED 545: Principal Licensure Intrnshp IV – 50 hours (3 hours)

**Added Endorsement Application:**

1. Complete master's degree and/or endorsement.
2. Pass appropriate PLACE content area exam.
3. Go to [www.cde.state.co.us](http://www.cde.state.co.us) and complete "Application for an Added Endorsement Based on an Approved Program."
4. Fax signature page to the ASU licensure clerk at 719-587-8145.
5. Verification page will be e-mailed to applicant.
6. Complete Colorado Department of Education's application packet online.

**Bachelor of Arts in Elementary Education**

Students preparing to be elementary teachers complete an undergraduate Bachelor of Arts degree in Elementary Education with coursework and field experience in literacy and language, content methods, and education practices. An emphasis in one of the following approved academic areas is required:

- art
- culturally and linguistically diverse education (CLD)
- early childhood education
- literacy
- mathematics
- music
- physical education
- science
- social studies
- Spanish
- A Special Education Generalist Endorsement is offered and requires coursework, field hours,



and student teaching in addition to that required for the initial elementary license.

## **Stages of the Teacher Education Undergraduate Program**

The stages in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in the classroom.

### **Stage I: Admission**

Admission Application to Initial Licensure Programs  
Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

1. Belief statement
2. Evidence of prior work with children
3. Two recommendation forms
4. Signed degree/licensure plan completed with the Undergraduate Teacher Education Advisor

Applications are accepted once during the spring and fall semesters. Specific dates, admission materials, rubrics, and guidelines are at [teachered.adams.edu](http://teachered.adams.edu).

Academic Requirements and Prerequisites for Admission

- Current enrollment, in good standing, at Adams State University
- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):
  - ED 200 (30 hours of field experience required)
  - ED 220 (10 hours of field experience required)
  - ED 230 (elementary licensure only)
  - PSYC 204 (elementary licensure only)
  - ENG 101
  - ENG 102
  - MATH 104 or higher

Additional Prerequisites

1. Submission of completed Colorado Bureau of Investigation background check form

2. Possession of an Adams State University Department of Teacher Education identification card
3. Evidence (signed attendance) of participation in Professional and Ethical Behavior Orientation and acceptance of Professional Conduct Agreement for Field Experience Lab Students

### **Stage II: Continuation (Teacher Education Field Experience)**

Once admitted to the program, the student must maintain semester and cumulative GPAs of 2.75. Students are placed in K-12 classrooms throughout the initial licensure program for a total of 800 field experience hours, as required by the State of Colorado. Field placement hours are a requirement of specific courses in the initial licensure program and include assignments that correspond to the courses. Field hours must be completed during enrollment in required courses. All placements are in regular K-12 classrooms in Colorado public schools during the regular school day. Students are advised to plan their personal schedules in order to be available during school hours. All field placements, including student teaching, are made by the Field Services Office.

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### **Stage III: Student Teaching**

Student teaching is the final phase in the preparation for initial licensure. Student teaching is a full-time, one-semester assignment in a K-12 classroom. Under the supervision of a mentor teacher, student teachers assume responsibility for instructional planning and student learning. They must also review and modify practice based upon evidence-based theories and strategies in order to insure learning success for all students. In the semester prior to student teaching, candidates complete a written application and provide supporting documents for placement (documents available at [teachered.adams.edu](http://teachered.adams.edu)). Placement areas are limited to the San Luis Valley. Placements outside the San Luis

Valley are by permission only from the Student Review Committee.

### Student Teaching Requirements

1. Be admitted and in good standing in an ASU initial licensure program
2. Maintain a 2.75 semester and cumulative GPA
3. Pass the appropriate PLACE or PRAXIS II content exam by the seventh week of the fall or spring semester prior to student teaching. (The student is responsible for all fees and costs.)
4. Have a current signed degree/licensure plan on file in the undergraduate office
5. Complete all program coursework with a C or better. Additional information can be found in the departmental [Handbook for Student Teaching and Field Experience](#).

### Stage IV: Recommendation for Licensure

Upon completing all program requirements, the candidate may be recommended by the Department of Teacher Education to the Colorado Department of Education (CDE) for initial licensure. These requirements include, but are not limited to: all program coursework, proficiencies, field hours, student teaching, a 2.75 cumulative GPA, and graduation.

Application forms for initial licensure are at the [Colorado Department of Education Web site](#). The candidate submits the CDE form and Verification of Completion of Approved Educator Preparation Program to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, the verification form is signed by the Licensure Officer and emailed to the applicant. The candidate is responsible for all fees and costs.

### Degree Requirements

**Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable coursework, 42 hours of which must be upper-division courses.**

### Education Major Courses

Courses completed to meet any other degree or general education requirements cannot be used to fulfill the requirements listed below.

- HIST 202: American Hist to 1865 GT-HI1 (3 hours) OR HIST 203: Amer Hist 1865-Present GT-HI1 (3 hours)
- ED 303: Promote Healthy Environment (3 hours)

- GEOG 300: World Geography (3 hours)
- Choose one course (3 hours):
  - CLD 401: Introduction to Study of Language
  - CLD 402: Language & Culture
  - CLD 403: Second Language Acquisition
  - CLD XXX: CLD/TESOL Topics Course
- MATH XXX — at the 100 level or above, in addition to the course taken for general education credit
- PSYC 211: Intro to Stats Lecture/Lab (4 hours)

### Prerequisite to Professional Core

- ED 200: Perspectives Teaching/Learning (3 hours)
- ED 220: The Exceptional Learner (3 hours)
- ED 230: Lit/Language Development I (3 hours)
- PSYC 204: Child Development (3 hours)

### Professional Core

Students must be admitted to the Teacher Education Preparation Program and earn a grade of C or better in each professional education course.

- ED 300: Literacy & Language Dev II (3 hours)
- ED 328: Methods/Teaching Math-Elem (3 hours)
- ED 345: Educational Psychology (3 hours)

### Content Area Emphasis (15-21 credits)

Select an approved content area emphasis with your advisor and complete the corresponding curriculum.

- art
- culturally and linguistically diverse education (CLD)
- literacy
- mathematics
- music
- physical education
- social studies
- Spanish
- Science Emphasis for Elementary Education Licensure

### A minimum 15 credits from the following:

- BIOL 101: Introductory Biology GT-SC1 (4 hours) OR BIOL 209: General Biology GT-SC1 (5 hours)
- CHEM 111: Introductory Chemistry GT-SC1 (4 hours) OR CHEM 132: General Chemistry GT-SC1 (4 hours)

- GSCI 109: Dynamic Earth (3 hours) OR ENV 101: Intro to Environmental Science (3hours)
- PHYS 110: Astronomy: Stars and Galaxies (3 hours)
- PHYS 225: College Physics I GT-SC1 (5 hours)

**Other:**

- GSCI 300: World Geography (3 hours)

**Senior Block (courses taken concurrently)**

- ED 310: Methods/Teaching Science-Elem (3 hours)
- ED 404: Literacy and Language Dev III (2 hours)
- ED 414: Class Instruct/Mngmnt – Elem (2 hours)
- ED 424: Elem Ed Practices/Assessment (2 hours)
- ED 434L: Field Experience Lab – Elem (3 hours)

**Student Teaching**

- ED 435: Student Teaching-Elementary (1 TO 15 hours)

**Student Responsibility**

Students entering a program for professional preparation to become a licensed teacher in the State of Colorado are responsible for understanding and following the requirements, procedures, and policies in the most current Adams State University Academic Catalog, the Initial Licensure Handbook, and additional program materials related to their specific licensure program, including their signed degree plan. For questions or clarification, contact the Department of Teacher Education. Failure to read and understand requirements for the program does not excuse students from responsibility for program compliance.

An overview is provided each semester during an information session on basic professional and academic expectations. This is required of all ED 200 students. Evidence of attendance and signed agreement of compliance with requirements, procedures, and policies is required.

Information in the most current Adams State University Academic Catalog, which is accurate at the time of publication, takes precedence over other published ASU information, except in the case of requirements from the State of Colorado and other accrediting agencies. Before enrolling in any coursework that requires presence in a K-12 classroom for practicum or student teaching, the student must submit a completed set of

fingerprints and application for background check through the ASU Department of Teacher Education; forms are available in the Undergraduate Teacher Education office.

**Academic and Professional Standards**

While enrolled in prerequisite courses in the Department of Education, admission to the initial licensure programs, placement in schools for field experience, and during student teaching, students are expected to maintain academic and professional standards in accord with the profession of teaching.

Expectations include, but are not limited to:

- Adherence to the ASU Code of Conduct regarding academic performance, including academic honesty and professional conduct
- Maintaining the minimum semester and cumulative GPA of 2.75
- Compliance to professional attitudes and dispositions (see Teacher Professionalism Rubric)
- Demonstration of state mandated teaching competencies (Performance Based Standards for Colorado Teachers) [www.cde.state.co.us](http://www.cde.state.co.us)
- Knowledge of school and district rules for teacher behavior.
- Direct supervision by a licensed classroom teacher while working with K-12 students during practicum assignments and student teaching. The classroom teacher must be immediately accessible. Personal involvement in the K-12 setting, e.g., parental involvement or substitute teaching, must be clearly separated from practicum and student teaching.
- Appropriate interactions with students. Note: The faculty reserves the right to suspend, place on probation or remove from the program any candidate who, in their professional judgment, fails to satisfy requirements of scholarship, performance, academic or professional ethics or integrity or personal suitability. The principal or teacher at a host school may request the removal of a candidate at any time.

Students are urged to confer with assigned advisors early and often concerning the progress of their programs. It is necessary to consult with the Department of Teacher Education to receive information about the admissions process and courses which are prerequisites to the professional core and courses required in the professional core.

# Bachelor of Arts with K-12 Education Licensure

## Degree Requirements

Degree majors:

- Art Education
- Music Education
- Physical Education

Students preparing to teach music, art or physical education across K-12 must complete an undergraduate degree in one of those fields with coursework and field experience in educational practices, content area literacy, and content methods.

Undergraduate students typically enter the Teacher Education Undergraduate Program in their sophomore or junior year, after completing general education requirements, content coursework, and requirements for the academic major. Once all prerequisites have been met, the student may apply for admission to the Teacher Education Preparation Program. If admitted, the student follows the stages of the program for completion of the Professional Core and student teaching.

## Prerequisite to Professional Core

- ED 200: Perspectives Teaching/Learning (3 hours)
- ED 220: The Exceptional Learner (3 hours)

## Professional Core

Students must be admitted to the Teacher Education Preparation Program and earn a grade of C or better in each professional education course.

Professional core courses must be taken concurrently.

- ED 416: Sec/K-12 Class Instruct/Mngmnt (2 hours)
- ED 426: Sec/K-12 Ed Practice/Assmnt (2 hours)
- ED 429: Content Area Literacy (2 hours)
- ED 436/ED 436L: Field Experience and Lab-Sec/K-12 (3 hours)
- Content Methods in appropriate subject (3-9 credits)
- ED 455: Student Teaching K-12 (1 TO 15 hours)

## Stages of the Teacher Education Undergraduate Program

The stages in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in the classroom.

## Stage I: Admission

Admission Application to Initial Licensure Programs  
Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

1. Belief statement
2. Evidence of prior work with children
3. Two recommendation forms
4. Signed degree/licensure plan completed with the Undergraduate Teacher Education Advisor

Applications are accepted once during the spring and fall semesters. Specific dates, admission materials, rubrics, and guidelines are at [teachered.adams.edu](http://teachered.adams.edu).

## Academic Requirements and Prerequisites for Admission

- Current enrollment, in good standing, at Adams State University
- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):
  - ED 200 (30 hours of field experience required)
  - ED 220 (10 hours of field experience required)
  - ED 230 (elementary licensure only)
  - PSYC 204 (elementary licensure only)
  - ENG 101
  - ENG 102
  - MATH 104 or higher

## Additional Prerequisites

- Submission of completed Colorado Bureau of Investigation background check form
- Possession of an Adams State University Department of Teacher Education identification card

- Evidence (signed attendance) of participation in Professional and Ethical Behavior Orientation and acceptance of Professional Conduct Agreement for Field Experience Lab Students

### **Stage II: Continuation (Teacher Education Field Experience)**

Once admitted to the program, the student must maintain semester and cumulative GPAs of 2.75. Students are placed in K-12 classrooms throughout the initial licensure program for a total of 800 field experience hours, as required by the State of Colorado. Field placement hours are a requirement of specific courses in the initial licensure program and include assignments that correspond to the courses.

Field hours must be completed during enrollment in required courses. All placements are in regular K-12 classrooms in Colorado public schools during the regular school day. Students are advised to plan their personal schedules in order to be available during school hours. All field placements, including student teaching, are made by the Field Services Office.

All contacts with the K-12 schools are made by the Field Services Office. Students may not initiate their own placement contacts or arrangements. Violation of these guidelines is grounds for suspension or dismissal from the program. Placements are made in a variety of settings and involve the professional judgment of the Field Services Office. Students should anticipate the need to make their own arrangements for transportation to field placements sites. Students will not be placed in schools that they have attended or in which relatives work or are in attendance. This information must be disclosed by the candidate.

### **Stage III: Student Teaching**

Student teaching is the final phase in the preparation for initial licensure. Student teaching is a full-time, one-semester assignment in a K-12 classroom. Under the supervision of a mentor teacher, student teachers assume responsibility for instructional planning and student learning. They must also review and modify practice based upon evidence-based theories and strategies in order to insure learning success for all students. In the semester prior to student teaching, candidates complete a written application and provide supporting documents for placement (documents available at [teachered.adams.edu](http://teachered.adams.edu)). Placement areas are limited to the San Luis Valley. Placements outside the San Luis Valley are by permission only from the Student Review Committee.

### **Student Teaching Requirements**

- Be admitted and in good standing in an ASU initial licensure program
- Maintain a 2.75 semester and cumulative GPA
- Pass the appropriate PLACE or PRAXIS II content exam by the seventh week of the fall or spring semester prior to student teaching. (The student is responsible for all fees and costs.)
- Have a current signed degree/licensure plan on file in the undergraduate office
- Complete all program coursework with a C or better. Additional information can be found in the departmental [Handbook for Student Teaching and Field Experience](#).

### **Stage IV: Recommendation for Licensure**

Upon completing all program requirements, the candidate may be recommended by the Department of Teacher Education to the Colorado Department of Education (CDE) for initial licensure. These requirements include, but are not limited to: all program coursework, proficiencies, field hours, student teaching, a 2.75 cumulative GPA, and graduation.

Application forms for initial licensure are at the [Colorado Department of Education Web site](#). The candidate submits the CDE form and Verification of Completion of Approved Educator Preparation Program to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, the verification form is signed by the Licensure Officer and emailed to the applicant. The candidate is responsible for all fees and costs.

### **Student Responsibility**

Students entering a program for professional preparation to become a licensed teacher in the State of Colorado are responsible for understanding and following the requirements, procedures, and policies in the most current Adams State University Academic Catalog, the Initial Licensure Handbook, and additional program materials related to their specific licensure program, including their signed degree plan. For questions or clarification, contact the Department of Teacher Education. Failure to read and understand requirements for the program does not excuse students from responsibility for program compliance.

An overview is provided each semester during an information session on basic professional and academic expectations. This is required of all ED 200 students. Evidence of attendance and signed agreement of

compliance with requirements, procedures, and policies is required.

Information in the most current Adams State University Academic Catalog, which is accurate at the time of publication, takes precedence over other published ASU information, except in the case of requirements from the State of Colorado and other accrediting agencies.

Before enrolling in any coursework that requires presence in a K-12 classroom for practicum or student teaching, the student must submit a completed set of fingerprints and application for background check through the ASU Department of Teacher Education; forms are available in the Undergraduate Teacher Education office.

### **Academic and Professional Standards**

While enrolled in prerequisite courses in the Department of Education, admission to the initial licensure programs, placement in schools for field experience, and during student teaching, students are expected to maintain academic and professional standards in accord with the profession of teaching.

Expectations include, but are not limited to:

1. Adherence to the ASU Code of Conduct regarding academic performance, including academic honesty and professional conduct
2. Maintaining the minimum semester and cumulative GPA of 2.75
3. Compliance to professional attitudes and dispositions (see Teacher Professionalism Rubric)
4. Demonstration of state mandated teaching competencies (Performance Based Standards for Colorado Teachers) [www.cde.state.co.us](http://www.cde.state.co.us)
5. Knowledge of school and district rules for teacher behavior.
6. Direct supervision by a licensed classroom teacher while working with K-12 students during practicum assignments and student teaching. The classroom teacher must be immediately accessible. Personal involvement in the K-12 setting, e.g., parental involvement or substitute teaching, must be clearly separated from practicum and student teaching.
7. Appropriate interactions with students. Note: The faculty reserves the right to suspend, place on probation or remove from the program any candidate who, in their professional judgment, fails to satisfy requirements of scholarship, performance, academic or professional ethics or integrity or personal suitability. The principal or

teacher at a host school may request the removal of a candidate at any time.

Students are urged to confer with assigned advisors early and often concerning the progress of their programs. It is necessary to consult with the Department of Teacher Education to receive information about the admissions process and courses which are prerequisites to the professional core and courses required in the professional core.

## **Bachelor of Arts with Secondary Education Licensure**

Students preparing to teach in a content area, grades 7-12, must complete an undergraduate degree in a state-approved content area (business, English, mathematics, science, social studies, foreign language) with coursework and field experience in educational practices, content area literacy, and content methods. Available degree majors for the secondary teacher licensure program are biology, business administration, chemistry, earth science, English, history/government (social studies emphasis), mathematics, Spanish, and theatre.

### **Degree Requirements**

**Students must complete their academic major requirements as well as the following education course requirements.**

#### **Academic Major Requirements:**

- Business
- English
- Mathematics (Track 1 – High School)
- Mathematics (Track 2 – Middle School)
- Science (Biology Major)
- Science (Chemistry Major)
- Science (Earth Science Major)
- Social Studies (History/Anthropology/Political Science Major)
- Spanish
- Theatre (Secondary English Licensure)

#### **Prerequisite to Professional Core**

- ED 200: Perspectives Teaching/Learning (3 hours)
- ED 220: The Exceptional Learner (3 hours)

#### **Professional Core**

Students must be admitted to the Teacher Education Preparation Program and earn a grade of C or better in each professional education course.

Professional core courses must be taken concurrently.

- ED 416: Sec/K-12 Class Instruct/Mngmnt (2 hours)
- ED 426: Sec/K-12 Ed Practice/Assmnt (2 hours)
- ED 429: Content Area Literacy (2 hours)
- ED 436L: Field Experience Lab-Sec/K-12 (3 hours)
- ED 304: Secondary Methods of Teaching & Learning (3 hours)
- ED 445: Student Teaching-Secondary (1 TO 15 hours)

### **Stages of the Teacher Education Undergraduate Program**

The stages in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in the classroom.

#### **Stage I: Admission**

Admission Application to Initial Licensure Programs  
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#### *Academic Requirements and Prerequisites for Admission*

- Current enrollment, in good standing, at Adams State University
- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):

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- ED 220 (10 hours of field experience required)
- ED 230 (elementary licensure only)
- PSYC 204 (elementary licensure only)
- ENG 101
- ENG 102
- MATH 104 or higher

#### *Additional Prerequisites*

- Submission of completed Colorado Bureau of Investigation background check form
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#### **Stage II: Continuation (Teacher Education Field Experience)**

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#### **Stage III: Student Teaching**

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#### *Student Teaching Requirements*

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#### *Student Responsibility*

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#### *Academic and Professional Standards*

While enrolled in prerequisite courses in the Department of Education, admission to the initial licensure programs, placement in schools for field experience, and during student teaching, students are expected to maintain academic and professional standards in accord with the profession of teaching.

Expectations include, but are not limited to:

- Adherence to the ASU Code of Conduct regarding academic performance, including academic honesty and professional conduct
- Maintaining the minimum semester and cumulative GPA of 2.75
- Compliance to professional attitudes and dispositions (see Teacher Professionalism Rubric)
- Demonstration of state mandated teaching competencies (Performance Based Standards for Colorado Teachers) [www.cde.state.co.us](http://www.cde.state.co.us)



- Knowledge of school and district rules for teacher behavior.
- Direct supervision by a licensed classroom teacher while working with K-12 students during practicum assignments and student teaching. The classroom teacher must be immediately accessible. Personal involvement in the K-12 setting, e.g., parental involvement or substitute teaching, must be clearly separated from practicum and student teaching.
- Appropriate interactions with students. Note: The faculty reserves the right to suspend, place on probation or remove from the program any candidate who, in their professional judgment, fails to satisfy requirements of scholarship, performance, academic or professional ethics or integrity or personal suitability. The principal or teacher at a host school may request the removal of a candidate at any time.

Students are urged to confer with assigned advisors early and often concerning the progress of their programs. It is necessary to consult with the Department of Teacher Education to receive information about the admissions process and courses which are prerequisites to the professional core and courses required in the professional core.

## *Theatre*

The Theatre Program at Adams State University is known across the country as an outstanding program that prepares actors, directors, designers, and technicians for graduate schools, teaching, and for the profession itself. The program is housed in one of the premier facilities in the region: a state-of-the-art building, which opened in 2001. This intensive program offers classroom instruction allowing students to engage in all areas of study. A rigorous production schedule, which includes many student-directed productions, allows students to achieve complete performance training throughout their college careers. The program has won numerous awards at the Rocky Mountain Theatre Festival. One of the greatest points of the program is its small class size and personal attention that each student receives.

### **Department Faculty**

#### **Chairperson**

- John Taylor, Ph.D.

#### **Professors**

- John Taylor, Ph.D.
- Jenna Neilsen, M.F.A.

#### **Assistant Professors**

- David Gerke, M.A.
- George McConnell, Ph.D.

[Theatre Department Page](#)

## **Bachelor of Arts in Theatre**

### **Degree Requirements**

#### **Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

#### **Completion of the following required courses:**

- THTR 223: Beginning Acting (3 hours)
- THTR 251: Stagecraft I (3 hours)

- THTR 285: Product Management (3 hours)
- THTR 385: Play Direction (3 hours)
- THTR 430: Business of Theatre (3 hours)
- THTR 480: Dramatic Theory and Criticism (3 hours)
- THTR 490: Senior Thesis (3 hours)

**Completion of 6 hours from two sections and 9 hours from one section (If a History/Lit emphasis is being pursued, then complete 6 hours in each section)**

**Section A: Design and Technology Emphasis**

- THTR 210: Stage Makeup (3 hours)
- THTR 333: Creative Scenic Design (3 hours)
- THTR 334: Lighting Design (3 hours)
- THTR 335: Theatre Practicum (1 TO 3 hours)
- THTR 340: Costume Design (3 hours)
- THTR 351: Stagecraft II (3 hours)
- THTR 279: Special Topics (1 TO 6 hours) OR THTR 379: Special Topics (1 TO 6 hours)

**Section B: Collaborative Creation Emphasis**

- SPCH 330: Directing Forensics/Debate (3 hours)
- THTR 347: Theatre and Social Change (3 hours)
- THTR 352: Playwriting (3 hours)
- THTR 368: Performance Art (3 hours)
- THTR 375: Creative Dramatics (3 hours)
- THTR 279: Special Topics (1 TO 6 hours) AND/OR THTR 379: Special Topics (1 TO 6 hours)

**Section C: Performance Emphasis**

- THTR 205: Improvisational Acting (3 hours)
- THTR 242: Voice for Performance (3 hours)
- THTR 288: Physical Acting (3 hours)
- THTR 310: Advanced Acting Techniques (3 hours)
- THTR 325: Styles of Acting (3 hours)
- THTR 345: Improv Troupe Practicum (1 TO 3 hours)
- THTR 279: Special Topics (1 TO 6 hours) AND/OR THTR 379: Special Topics (1 TO 6 hours)

**Completion of 9 hours in section D (Unless a History/Lit emphasis is being pursued then the student should complete 12 hours)**

**Section D: History/ Literature**

- THTR 320: Censorship and the Arts (3 hours)
- THTR 403: Shakespeare (3 hours)
- THTR 465: Modern Drama (3 hours)
- THTR 470: Classical Drama (3 hours)
- THTR 472: Contemporary Theatre (3 hours)

- THTR 279: Special Topics (1 TO 6 hours) AND/OR THTR 379: Special Topics (1 TO 6 hours)
- ENG 329: Women and Drama (3 hours)

**Bachelor of Arts in Theatre, Secondary English Licensure**

**Degree Requirements**

**Completion of requirements for a bachelor's degree**

- A minimum of 120 academic (non-PE) semester hours of credit.
- At least 42 academic credits must be upper division (300- to 400-level).
- A cumulative scholastic average of 2.0.
- General education courses must be completed with an average GPA of at least 2.0.
- All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied.
- All students must demonstrate writing proficiency by the end of the sophomore year.
- No D grade may apply to a major or minor field.

**Completion of the secondary teacher licensure requirements.**

Bachelor of Arts with Secondary Education Licensure

**Completion of the following courses:**

- SPCH 100: Speech Fundamentals (3 hours)
- THTR 223: Beginning Acting (3 hours)
- THTR 251: Stagecraft I (3 hours)
- THTR 310: Intermediate Acting II (3 hours)
- SPCH 330: Directing Forensics/Debate (3 hours)
- THTR 375: Creative Dramatics (3 hours)
- THTR 385: Play Direction (3 hours)
- THTR 480: Dramatic Theory and Criticism (3 hours)
- THTR 490: Senior Thesis (3 hours)
- THTR 333: Creative Scenic Design (3 hours) OR THTR 340: Costume Design (3 hours)
- ENG 203: Major Themes in Lit GT-AH2 (3 TO 6 hours)
- ENG 226: Basic Grammar & Hist:English (3 hours)
- ENG 309: Eng Lit I:Beowulf-Trans Write (3 hours) OR ENG 310: English Lit: Romance to Modern (3 hours)
- ENG 316: Methods/English in Sec School (3 hours)
- ENG 394: American Literature I (3 hours) OR ENG 395: American Literature II (3 hours)
- ENG 403: Shakespeare (3 hours)

- ENG 365: Ethnic & Minority Literature (3 hours) OR ENG 375: Chicano Literature (3 hours) OR ENG 385: Women and Literature (3 hours) OR ENG 329: Women and Drama (3 hours) OR ENG 472: Contemporary Drama (3 hours) OR THTR 472: Contemporary Theatre (3 hours)
- ENG 227: Intro to Creative Writing (3 hours) OR ENG 363: Advanced Composition (3 hours) OR ENG 416: The Teaching of Writing (3 hours)

## Associate of Arts in Theatre

### Degree Requirements

#### Completion of the general education requirements for the Associate of Arts degree

#### Completion of the following courses:

- THTR 210: Stage Makeup (3 hours)
- THTR 213: Oral Interpretation of Lit (3 hours)
- THTR 223: Beginning Acting (3 hours)
- THTR 242: Voice for Performance (3 hours)
- THTR 288: Intermediate Acting I (3 hours)

Completion of portfolio requirements as specified by department minor in theatre.

## Minor in Theatre

The minor in theatre arts is offered for those who wish to be more effective in communicating the knowledge of their major. The minor is highly relevant and practical in combination with other majors such as business, government, sociology, English, guidance and counseling, music, journalism, education, speech correction, health, physical education and recreation, and all pre-professional studies. Courses are to be selected in consultation with the program chair.

## Women's Studies

The minor in women's studies is an interdisciplinary program designed to examine the position of women in culture and society, to integrate a new understanding of women into traditional academic fields, and to heighten the student's awareness of the range of human experience, potential, and accomplishment. Other related courses in consultation with the women's studies advisor may be substituted.

### Department Faculty

#### Chairperson

- Richard Loosbrock, Ph.D.

#### Program Contact

- Mari Centeno, Ph.D.

## Minor in Women's Studies

### Women's Studies Track

#### Degree Requirements

Students must take 2 required courses and 4 electives, as approved by the WGS advisor, for a total of 18 semester hours.

#### REQUIRED OF ALL MINORS, WHO ARE ADVISED TO TAKE THE COURSES EARLY IN THEIR STUDIES:

- WS 201: Women's Studies (3 hours)
- ENG 320: Literature & Sexualities (3 hours)

#### Two of the following courses (6 hours):

- AR 367: Women Artists in Art History (3 hours)
- POLS 393: Women, Politics and Culture (3 hours)
- SOC 318: Race, Class, and Gender (3 hours)
- THTR 329: Women and Drama (3 hours)
- PSYC 360: Psychology of Gender (3 hours)

#### One of the following courses (3 hours):

- ENG 403: Shakespeare (3 hours)
- COMM 420: Rhetoric of Popular Culture (3 hours)
- COMM 430: Diversity in Media (3 hours)

#### One of the following courses (3 hours):

- ENG 385: Women and Literature (3 hours)
- SOC 419: Gender and Society (3 hours)
- PSYC 375: Human Sexuality (3 hours)

- HIST 320: History of American Women (3 hours)
- BUS 394: Women & Power: Gender, Bus, Leadership (3 hours)
- (or other courses as approved by the WGS advisors)

## **Minor in Gender and Sexuality Studies Gender and Sexuality Studies Track**

### **Degree Requirements**

Students must take 2 required courses and 4 electives, as approved by the WGS advisor, for a total of 18 semester hours.

### **REQUIRED OF ALL MINORS, WHO ARE ADVISED TO TAKE THE COURSES EARLY IN THEIR STUDIES:**

- WS 201: Women's Studies (3 hours)
- ENG 320: Literature & Sexualities (3 hours)

### **Two of the following courses (6 hours):**

- ENG 403: Shakespeare (3 hours)
- COMM 420: Rhetoric of Popular Culture (3 hours)
- COMM 430: Diversity in Media (3 hours)
- PSYC 360: Psychology of Gender (3 hours)

### **One of the following courses (3 hours):**

- AR 367: Women Artists in Art History (3 hours)
- HIST 320: History of American Women (3 hours)
- SOC 318: Race, Class, and Gender (3 hours)
- THTR 329: Women and Drama (3 hours)

### **One of the following courses (3 hours):**

- ENG 385: Women and Literature (3 hours)
- SOC 419: Gender and Society (3 hours)
- PSYC 375: Human Sexuality (3 hours)
- POLS 393: Women, Politics and Culture (3 hours)
- BUS 394: Women & Pwr:Gender,Bus, Ldrshp (3 hours)
- (or other courses as approved by the WGS advisors)

## ***Course Descriptions***

### **AAA 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **AAA 199 - Individual Studies**

Credit Hours: 0.500 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **ANTH 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **ANTH 192 - Workshops**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **ANTH 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

### **ANTH 201 - Introduction to Anthropology**

Credit Hours: 3.000

The course will examine the field of anthropology. The concept of culture will be introduced as an overarching approach to understanding human behavior that draws on the other social and behavioral sciences. Introductory discussions of physical (biological) anthropology, archeology, and anthropological linguistics will precede a more in-depth examination of cultural anthropology.

### **ANTH 205 - Physical Anthropology**

Credit Hours: 3.000

The course will examine physical anthropology as a sub discipline of anthropology. The goal is to understand how the physical realities of being human affects the nature of culture. The central theme will be the evolution of humans from the earliest hominid forms to modern Homo sapiens. The course will focus on the mechanisms of evolution, an understanding of primate behavior in general, and the fossil evidence for hominid development.

### **ANTH 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **ANTH 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **ANTH 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **ANTH 300 - Archaeology**

Credit Hours: 3.000

This course will provide an overview of archaeological method and theory with a particular emphasis on American archeology, and provide a general survey of prehistory with an emphasis on the western United States.

### **ANTH 310 - Anthropological Linguistics**

Credit Hours: 3.000

After a general introduction to the nature of language (descriptive linguistics) this course will focus on human communication and the uses of language (psycholinguistics and sociolinguistics) and on the language cognition relationship (cognitive anthropology and symbolic anthropology).

### **ANTH 320 - Southwestern Indians**

Credit Hours: 3.000

Origin, social organization, and relations of southwestern Pueblo and non-Pueblo tribes.

### **ANTH 339 - Field School in Archaeology**

Credit Hours: 6.000

The purpose of this course is to provide students with the basic skills, and the theories from which they are derived, necessary to do archaeological fieldwork. The student will learn basic techniques of site identification and recording, excavation, and artifact processing and analysis. In addition, they will learn instrument surveying and introductory applications of geographic information systems. The skills taught will be appropriate for either prehistoric or historic sites.

### **ANTH 349 - Internship in Museums**

Credit Hours: 6.000

This course provides the students with practical experience in the day-to-day operation and organizational and financial challenges of a small museum.

### **ANTH 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **ANTH 392 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **ANTH 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **ANTH 471 - Senior Seminar in Anthropology**

Credit Hours: 3.000

This is a capstone course which will cover the central theories that have driven the field of anthropology over the last 200 years. All students enrolled in the Senior Seminar will also write their Senior Comprehensive Examinations as part of the departmental requirement for all History/Government majors.

Prerequisites:

( ANTH 201 Minimum Grade: C-

AND ANTH 205 Minimum Grade: C-

AND ANTH 300 Minimum Grade: C-

AND ANTH 310 Minimum Grade: C- )

OR ( ANTH 201 Minimum Grade: T

AND ANTH 205 Minimum Grade: T

AND ANTH 300 Minimum Grade: T

AND ANTH 310 Minimum Grade: T )

#### **ANTH 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

#### **ANTH 492 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **ANTH 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

#### **ANTH 539 - Archaeology Field School**

Credit Hours: 1.000 TO 6.000

Through actual field experience, the student will learn basic techniques of site identification and recording, excavation, and artifact processing and analysis. In addition, they will learn instruments surveying and introductory applications of geographic information systems. The skills taught will be appropriate for either prehistoric or historic sites.

#### **ANTH 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

#### **ANTH 592 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **ANTH 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

#### **AR 101 - Art and Creativity GT-AH1**

Credit Hours: 3.000

Art and Creativity will introduce basic concepts in art through lectures and hands-on art-making classes.

Lectures and readings will cover the role and function of

visual art through history and in various cultures. Hands-on activities will develop creative thinking skills and teamwork. This course is designed for non-art majors. All hands-on activities and assignments are designed so that people with no prior art making experience or skills can enjoy and successfully complete them.

#### **AR 103 - Art Appreciation GT-AH1**

Credit Hours: 3.000

Satisfies part of the humanities requirement. An introduction to art appreciation that provides a foundation in the basic concepts, materials, and processes of the visual arts, as well as a brief history of art. This course has a course specific fee to cover the costs of some materials.

#### **AR 105 - Intro to Art Criticism**

Credit Hours: 3.000

A course that introduces students to art criticism and critical thinking in the field of visual art. Exercises in reading about art, observing art, talking and writing about art, will develop the student's ability to articulate and critique a wide variety of art works. Students will be introduced to and practice techniques for reading, thinking, writing and speaking critically as applied to art.

#### **AR 179 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

#### **AR 192 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **AR 194 - Alt Gen Ed (Arts & Humanities)**

Credit Hours: 3.000

This course number designates any alternate general education offered through the art department on a one-time or irregular basis. Courses with this numerical designation are considered to meet the student learning outcomes for general education in Area II Arts & Humanities. Courses with this numerical designation are not guaranteed transfer courses and may not apply towards general education requirements at other institutions. The specific course title and content may vary.

#### **AR 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

#### **AR 202 - In Design**

Credit Hours: 3.000

This course is intended for non-Art majors and will provide theory and practical experience on graphic design and applied art processes in print and presentation design. Students will study the basics in graphic design, the history of visual communication, typography, and

the role of illustration and photography in graphic communications.

**AR 206 - Studio One**

Credit Hours: 3.000

A foundation studio course in art practice and concepts (includes two-dimensional and three-dimensional design fundamentals). It is recommended to take AR 206 Studio One prior to AR 207 Studio Two.

**AR 207 - Studio Two**

Credit Hours: 3.000

A foundation studio course in art practice and concepts (includes two-dimensional, three-dimensional and time based/new media design fundamentals). There is no prerequisite but it is recommended to take AR 206 Studio One prior to AR 207 Studio Two.

**AR 208 - Drawing**

Credit Hours: 3.000

Develop basic drawing skills using a variety of media and subject matter (e.g. models, still lifes, landscapes, etc.). An emphasis on composition, contour, gesture, value, and linear perspective. This course has a course specific fee to cover the costs of some materials.

**AR 209 - Beginning Drawing II**

Credit Hours: 3.000

This course is a further exploration of drawing with emphasis on integrating the principles of drawing and design into a meaningful composition on a two-dimensional surface. Problems of color and spatial organization are also stressed. A variety of subject matter will be considered. Instructor permission may be obtained to register for this course. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 208 Minimum Grade: C-

OR AR 208 Minimum Grade: T

**AR 216 - Introduction to Art Education**

Credit Hours: 3.000

This course is a study of art education as influenced by educational and philosophical developments throughout history as well as an exploration of current art education topics and approaches for teaching art in traditional and non-traditional settings. A background check must be completed through the Department of Teacher Education. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

BKCK - Minimum Score: 1

**AR 220 - Painting**

Credit Hours: 3.000

Studio problems exploring characteristics and techniques of painting media with emphasis on color, form, and structure as related to the painting surface. This course has a course specific fee to cover the costs of some materials.

**AR 252 - Beginning Sculpture**

Credit Hours: 3.000

This course emphasizes the conceptual aspects of sculpture while introducing the development of technical skills related to fabrication and subtractive processes and materials. The course is structured around assignments that emphasize individual work ethic and productivity, research skills, creative expressiveness, and class participation. Projects may include content in introductory metal fabrication, CAD/CAM technology, metal casting, and wood or stone carving. This course has a course specific fee to cover the costs of some materials.

**AR 253 - Ceramics: Handbuilding**

Credit Hours: 3.000

This course introduces students to the fundamental concepts of ceramic art. Topics include hand-forming methods such as pinch, coil, and slab building as well as an exploration of various surface treatment techniques such as slips and glazes. This course emphasizes the development of student's design vocabulary and innovative personal aesthetic as it applies to sculptural ceramic objects. As time permits, instruction will include various firing techniques such as oxidation, pit, saggar and Raku. This course has a course specific fee to cover the costs of some materials.

**AR 260 - Beginning Printmaking I**

Credit Hours: 3.000

An introduction to basic black and white printmaking techniques using relief, collograph, and intaglio processes. This course has a course specific fee to cover the costs of some materials.

**AR 261 - Beginning Printmaking II**

Credit Hours: 3.000

An introduction to basic black and white printmaking techniques using monotype and lithography processes. This course has a course specific fee to cover the costs of some materials.

**AR 279 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**AR 280 - Beginning B&W Photography**

Credit Hours: 3.000

A foundation course exploring the history and techniques of traditional black and white photography. Emphasis on photography as a medium for creative expression. Significant darkroom time is required. Students must have their own 35mm SLR camera. There is a lab fee for this course. This course has a course specific fee to cover the costs of some materials.

**AR 281 - Beginning Digital Photography**

Credit Hours: 3.000

This course is an introduction to digital photography. The course will cover digital camera functions and an introduction to Adobe Bridge and Adobe PhotoShop

applications. Emphasis on photography as a medium for creative expression. Students must supply their own digital camera. Cameras with the ability to shoot in a raw format are preferred. This course has a course specific fee to cover the costs of some materials.

**AR 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 294 - Alt Gen Ed (Arts & Humanities)**

Credit Hours: 3.000

This course number designates any alternate general education offered through the art department on a one-time or irregular basis. Courses with this numerical designation are considered to meet the student learning outcomes for general education in Area II Arts & Humanities. Courses with this numerical designation are not guaranteed transfer courses and may not apply towards general education requirements at other institutions. The specific course title and content may vary.

**AR 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 301 - Typography**

Credit Hours: 3.000

This course is intended primarily for art majors who chose graphic design as their area of emphasis. It is also open to any other art major or non-art major. This course will focus on a broad study of typography, its terminology, history, and application in the field of graphic design.

Prerequisites:

AR 206 Minimum Grade: C-

OR AR 206 Minimum Grade: T

**AR 305 - Art Theory**

Credit Hours: 3.000

A lecture course that covers major themes in art theory and asks students to articulate which aspects of art theory relate to their studio work and how they relate.

Prerequisites:

AR 105 Minimum Grade: C-

OR AR 105 Minimum Grade: T

AND ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T

AND ENG 102 Minimum Grade: C-

OR ENG 102 Minimum Grade: T

**AR 306 - Illustrator**

Credit Hours: 3.000

An advanced design class. Using Adobe Illustrator, students will study design concepts related to computer graphics, illustration and typography as well as historical traditions in graphic design.

Prerequisites:

( AR 206 Minimum Grade: C-

OR AR 207 Minimum Grade: C- )

OR ( AR 206 Minimum Grade: T

OR AR 207 Minimum Grade: T )

**AR 308 - Intermediate Drawing I**

Credit Hours: 3.000

Emphasizing human anatomy for the artist; development of personal direction and characteristics. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 209 Minimum Grade: C-

OR AR 209 Minimum Grade: T

**AR 309 - Intermediate Drawing II**

Credit Hours: 3.000

Emphasizing human anatomy for the artist; development of personal direction and characteristics. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 308 Minimum Grade: C-

OR AR 308 Minimum Grade: T

**AR 310 - Photoshop**

Credit Hours: 3.000

An advanced study of the design relating to the work of the graphic designer. Students learn Adobe PhotoShop software and work on advanced design projects such as book and CD covers, posters, corporate identity projects, and package design, etc. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

( AR 206 Minimum Grade: C-

OR AR 207 Minimum Grade: C-

OR AR 281 Minimum Grade: C- )

OR ( AR 206 Minimum Grade: T

OR AR 207 Minimum Grade: T

OR AR 281 Minimum Grade: T )

**AR 312 - Design for the Internet**

Credit Hours: 3.000

This course will provide an introduction to theories and practical experience with graphic design as applied to the Internet. Students will study the basics in Web page and web site design using current industry standard software, HTML and XHTML. Within the course, students will create Web pages and sites suitable for course work, professional purposes, and personal use. Students will also explore common Web page formats and functions. Emphasis will be on the aesthetics of Internet design.

Prerequisites:

( AR 281 Minimum Grade: C-

OR AR 302 Minimum Grade: C-

OR BUS 320 Minimum Grade: C- )

OR ( AR 281 Minimum Grade: T



OR AR 302 Minimum Grade: T  
OR BUS 320 Minimum Grade: T )

**AR 320 - Intermediate Painting I**

Credit Hours: 3.000

Intermediate study of painting media with emphasis on perceptual abilities and personal expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

( AR 220 Minimum Grade: C-  
AND AR 208 Minimum Grade: C- )  
OR ( AR 220 Minimum Grade: T  
AND AR 208 Minimum Grade: T )

**AR 321 - Intermediate Painting II**

Credit Hours: 3.000

Intermediate study of painting media with emphasis on perceptual abilities and personal expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 320 Minimum Grade: C-  
OR AR 320 Minimum Grade: T

**AR 334 - Elem School Art Ed Methods**

Credit Hours: 3.000

A course designed to explore the theoretical and practical approaches to implementing a program of art education for grades K-6. Emphasis is placed on strategies that will encourage a discipline-based art education model of instruction. Through hands-on involvement in various art media, students are given opportunities for creative problem solving. A background check must be completed through the Department of Teacher Education. This course has a course specific fee to cover the costs of some materials. A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office Prior to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

( BKCK - Minimum Score: 1  
AND AR 216 Minimum Grade: C  
AND ED 200 Minimum Grade: C  
OR ED 220 Minimum Grade: C )  
OR ( BKCK - Minimum Score: 1  
AND AR 216 Minimum Grade: T  
AND ED 200 Minimum Grade: T  
OR ED 220 Minimum Grade: T )

**AR 335 - Sec School Art Ed Methods**

Credit Hours: 3.000

In this advanced course of study, students are given the opportunity to explore more completely those

professional practices utilized in the teaching of art in the secondary school. Through hands-on involvement in various media, students are given opportunities for creative problem solving. This course is intended for juniors and seniors. Freshmen and sophomores cannot enroll in this course. A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office Prior to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

( ED 200 Minimum Grade: C  
OR ED 220 Minimum Grade: C  
AND AR 334 Minimum Grade: C  
AND BKCK - Minimum Score: 1 )  
OR ( ED 200 Minimum Grade: T  
OR ED 220 Minimum Grade: T  
AND AR 334 Minimum Grade: T  
AND BKCK - Minimum Score: 1 )

**AR 352 - Mold Design & Cold Casting**

Credit Hours: 3.000

Mold design and cold casting are practical skills that can be applied to a wide variety of sculptural materials. In this course, students are introduced to the significant concepts for designing and fabricating single and multi-part molds. These molds will then be used to create unique pieces or mass-produced products. Additional emphasis is placed on conceptual themes that will vary depending on the instructor. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 252 Minimum Grade: C-  
OR AR 253 Minimum Grade: C-

**AR 353 - Sculpting and Hot Casting**

Credit Hours: 3.000

This course emphasizes the conceptual aspects of sculpture while introducing the development of technical skills related to casting metal and related processes. The course is structured around assignments that emphasize individual work ethic and productivity, research skills, creative expressiveness, and class participation. Projects may include content in life cast molds, modeling clay, lost wax casting of bronze, aluminum, and/or iron, multipart rubber and support shell molds, TIG welding process, and patination of metal. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 252 Minimum Grade: C-  
OR AR 253 Minimum Grade: C-

**AR 354 - Digital Sculpture**

Credit Hours: 3.000

This course emphasizes the conceptual aspects of sculpture while introducing the development of technical skills related to 3D digital design, rapid prototype fabrication, projection mapping and related processes.

The course is structured around assignments that emphasize individual work ethic and productivity, research skills, creative expressiveness, and class participation. Projects may include content in 3D printing, CNC plasma, CNC laser, CNC milling and projection mapping software design and installation. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 252 Minimum Grade: C-

OR AR 253 Minimum Grade: C-

### **AR 355 - Jewelry & Metalsmithing**

Credit Hours: 3.000

This course introduces students to the technical skills related to the design, fabrication and forming of metals and mixed media while emphasizing the conceptual aspects of jewelry and metalsmithing. The course is structured around assignments that highlight individual work ethic and productivity, research skills, creative expressiveness, and class participation. Projects may include the following: band ring fabrication, cuttlebone casting, raising, enameling, chain making, stone setting, cold connections, rolling mill processes, pattern dies, and hydraulic die forming. This course has a course specific fee to cover the costs of some materials.

### **AR 356 - Ceramics: Wheel Throwing**

Credit Hours: 3.000

Wheel-throwing introduces students to the pottery wheel as a tool for creating three-dimensional forms. This course emphasizes the development of student's design vocabulary and innovative personal aesthetic as it applies to utilitarian objects. Through technical demonstrations, image presentations, discussions and assignments, students are challenged to consider the role of the handmade functional object in contemporary material culture. Additionally, students develop skills in glazing and firing their work in electric and gas reduction kilns. This course has a course specific fee to cover the costs of some materials.

### **AR 357 - Experimental Ceramic Processes**

Credit Hours: 3.000

Experimental Ceramics is a forum for students to explore non-traditional ceramic forming methods in the creation of three-dimensional, sculptural artworks. Through technical demonstrations, image presentations, discussions and themed assignments, this course challenges students to experiment with large scale handbuilding, paperclay slip construction, alternative firing methods, non-ceramic surface treatments, as well as clay and glaze formulation. Additional emphasis is placed on content development by exploring complex

forms, developing methods of narrative, and identifying source material for work. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 252 Minimum Grade: C-

OR AR 253 Minimum Grade: C-

### **AR 358 - Papermaking**

Credit Hours: 3.000

The class utilizes handmade paper as a material for making art. A variety of techniques will be explored including handmade paper sheets, books, and sculptural objects. The historical origins of papermaking, production of pulp fiber, traditional eastern and western styles of papermaking, experimental paper sheet formation techniques, and three-dimensional paper construction methods will be presented. This course has a course specific fee to cover the costs of some materials.

### **AR 360 - Intermediate Printmaking**

Credit Hours: 3.000

Further exploration of printmaking using all processes. Emphasis on composition, media exploration, and color processes. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 260 Minimum Grade: C-

OR AR 261 Minimum Grade: C-

OR AR 261 Minimum Grade: T

OR AR 260 Minimum Grade: T

### **AR 364 - History of Art I**

Credit Hours: 3.000

A survey of architecture, painting, sculpture, and other visual art forms prehistoric times to the Eighteenth Century.

Prerequisites:

AR 105 Minimum Grade: C-

OR AR 105 Minimum Grade: T

### **AR 365 - History of Art II**

Credit Hours: 3.000

A survey of architecture, painting, sculpture, and other visual art forms from the 18th Century to the 21st Century. Additionally this course includes a brief survey of the arts of African, Asian, and Native American cultures.

Prerequisites:

AR 105 Minimum Grade: C-

OR AR 105 Minimum Grade: T

### **AR 367 - Women Artists in Art History**

Credit Hours: 3.000

A survey of women artists in the history of art from antiquity to the present.

Prerequisites:

AR 105 Minimum Grade: C-

OR AR 105 Minimum Grade: T

### **AR 368 - Performance Art**

Credit Hours: 3.000

A study of Performance Art with an emphasis on its history, theory, and the creation of original performances.

**AR 379 - Topics in Art**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**AR 380 - Intermediate Photography**

Credit Hours: 3.000

Continued exploration of photography as an art medium using traditional darkroom techniques. Emphasis on concept and creative expression. Introduction to color, pinhole, large format, and non-silver techniques. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 280 Minimum Grade: C-

OR AR 280 Minimum Grade: T

**AR 381 - Intrmdte Digital Photography**

Credit Hours: 3.000

Continued exploration of digital photography as an art medium. The course will delve further into photographic applications in Adobe Photoshop with emphasis on maximizing image quality using masks and blending modes. Introduction to fine art printing and papers. Emphasis on concept and creative expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 281 Minimum Grade: C-

OR AR 281 Minimum Grade: T

AR 392 - Workshop

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 401 - Advanced Graphic Design**

Credit Hours: 3.000

An advanced study of the design relating to the work of the graphic designer. Students learn PhotoShop software and work on advanced design projects such as book and CD covers, posters, corporate identity projects, and package design, etc. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

( AR 310 Minimum Grade: C-

AND AR 306 Minimum Grade: C- )

OR ( AR 306 Minimum Grade: T

AND AR 310 Minimum Grade: T )

**AR 405 - Seminar in Art**

Credit Hours: 3.000

This course is a seminar class that combines research into art theory and art history with discussions about the conceptual, formal and technical aspects of studio work.

Prerequisites:

( AR 305 Minimum Grade: C-

OR AR 305 Minimum Grade: T )

**AR 410 - Advanced Drawing I**

Credit Hours: 3.000

Advanced personal concepts, media experimentation, and aesthetics. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 309 Minimum Grade: C-

OR AR 309 Minimum Grade: T

**AR 411 - Advanced Drawing II**

Credit Hours: 3.000

Exploration of drawing as a medium for expression with emphasis on developing a personal style. Progress towards developing a cohesive body of work. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 410 Minimum Grade: C-

OR AR 410 Minimum Grade: T

**AR 422 - Advanced Painting I**

Credit Hours: 3.000

Advanced studio problems, emphasizing perceptual and conceptual abilities and personal expression as related to painting media. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 321 Minimum Grade: C-

OR AR 321 Minimum Grade: T

**AR 423 - Advanced Painting II**

Credit Hours: 3.000

Advanced studio problems, emphasizing perceptual and conceptual abilities and personal expression as related to painting media. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 422 Minimum Grade: C-

OR AR 422 Minimum Grade: T

**AR 454 - Advanced 3D Material Study I**

Credit Hours: 3.000

Students will engage in advanced sculptural work using diverse materials. This course offers studio assignments that question and solidify artistic vocabulary and studio work. Curriculum includes regular seminar discussions and presentations based on assigned readings and local lectures. Contemporary issues and ideas in sculpture and material studies are a primary focus of these discussions. This course places a strong emphasis on establishing studio works and complete artists' portfolios. There is a specific course fee to cover the cost of some materials.

**AR 455 - Advanced 3D Materials Study II**

Credit Hours: 3.000

Students are expected to propose individual projects and timelines to be completed within the semester.

Curriculum includes regular seminar discussions and presentations based on assigned readings and local lectures. Contemporary issues and ideas in sculpture and material studies are a primary focus of these discussions. This course places a strong emphasis on establishing studio works and complete artists' portfolios. This course has a specific fee to cover the cost of some materials.

Prerequisites:

AR 454 Minimum Grade: C-

**AR 462 - Advanced Printmaking I**

Credit Hours: 3.000

Emphasis on exploring the unique qualities of all printmaking processes and combining them as a means towards personal expression in the medium. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 360 Minimum Grade: C-

OR AR 360 Minimum Grade: T

AR 463 - Advanced Printmaking II

Credit Hours: 3.000

Emphasis on exploring the unique qualities of all printmaking processes and combining them as a means towards personal expression in the medium. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 462 Minimum Grade: C-

OR AR 462 Minimum Grade: T

**AR 479 - Topics in Art**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**AR 484 - Advanced Photography I**

Credit Hours: 3.000

Continued exploration of photography as an art medium with emphasis on expression and technique. Emphasis on development of a personal style and approach to the medium. Students will work with the instructor to determine techniques appropriate for their individual goals. Digital Techniques will be emphasized during the spring semester and traditional techniques in the fall semester. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 380 Minimum Grade: C-

OR AR 381 Minimum Grade: C-

OR AR 380 Minimum Grade: T

OR AR 381 Minimum Grade: T

**AR 485 - Advanced Photography II**

Credit Hours: 3.000

Continued exploration of photography as an art medium with emphasis on expression and technique. Emphasis on development of a personal style and approach to the medium. Students will work with the instructor to determine techniques appropriate for their individual goals. Digital Techniques will be emphasized during the spring semester and traditional techniques in the fall semester. This course has a course specific fee to cover the costs of some materials.

Prerequisites:

AR 484 Minimum Grade: C-

OR AR 484 Minimum Grade: T

**AR 492 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 497 - BFA Exhibition**

Credit Hours: 6.000

A capstone course that involves the creation and exhibition of a cohesive body of creative work.

Prerequisites:

BFAP - Minimum Score: 1

Corequisites:

AR 498

**AR 498 - Professional Practice**

Credit Hours: 3.000

Designed to be the capstone experience for all students who have majored in Art. Students will organize a group exhibition of their work and prepare portfolios and other tools for professional futures. Emphasis will be placed on responsible teamwork and professionalism.

Prerequisites:

( AR 305 Minimum Grade: C-

OR AR 305 Minimum Grade: T )

**AR 499 - Individual Studies**

Credit Hours: 1.000 TO 9.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 501 - Theory and Criticism**

Credit Hours: 3.000

Critical analysis of a selected issue applicable to the candidate's major discipline. Controversial historical or contemporary topics must be documented with written research supporting the candidate's chosen positions and submitted to their major advisors.

Prerequisites:

AR 503 Minimum Grade: C

**AR 502 - Special Projects**

Credit Hours: 3.000

Exploratory research project applied to a technical process or problem supervised by the major advisor. Findings from research will be documented by the candidates and submitted to their major advisors.

Prerequisites:

AR 503 Minimum Grade: C

**AR 503 - Resrch Meth f/ the Visual Arts**

Credit Hours: 3.000

An inter-disciplinary study of methods, analyses, and critiques used by visual artists to research issues within and across a range of topics in the visual arts.

**AR 505 - Graduate Seminar in Art**

Credit Hours: 3.000

A seminar class that combines research into art theory and art history with discussions about the conceptual aspects of studio work.

**AR 508 - Drawing**

Credit Hours: 3.000

Experimentation with various drawing media with emphasis on eventual development of individual expression. Course may be repeated for a maximum of 15 semester hours.

**AR 520 - Painting**

Credit Hours: 3.000

Study of painting problems with an emphasis on perceptual and conceptual awareness and personal development of technical abilities with painting media. Course may be repeated for a maximum of 15 semester hours.

**AR 540 - Fiber**

Credit Hours: 3.000

An advanced level course that encompasses traditional and contemporary use of fiber and fiber techniques 2D and 3D artworks. Emphasis on aesthetic, expressive, and conceptual use of materials and imagery. Course may be repeated to a maximum of 15 semester hours.

**AR 550 - Sculpture**

Credit Hours: 3.000

A three-dimensional study of form and space with emphasis on creative imagination and investigation of contemporary ideas and materials. Course may be repeated for a maximum of 15 semester hours.

**AR 560 - Printmaking**

Credit Hours: 3.000

Emphasis on individual concepts related to intaglio, relief, lithography, and stencil processes. Course may be repeated for a maximum of 15 semester hours.

**AR 565 - Metalsmithing**

Credit Hours: 3.000

In-depth research and development of individual design concepts in metal manipulation, and stressing form and function. Course may be repeated for a maximum of 15 semester hours.

**AR 570 - Ceramics**

Credit Hours: 3.000

Individual research in ceramic forms related to the development of the aesthetic and expressive qualities of clay. Course may be repeated for maximum of 15 semester hours.

**AR 579 - Topics in Art**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**AR 585 - Photography**

Credit Hours: 3.000

Studies in the craft of photography with emphasis on development of individual expression. Course may be repeated for a maximum of 15 credit hours.

**AR 592 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 597 - Thesis Proposal**

Credit Hours: 3.000

The course includes preliminary work for the student's thesis body of work and supporting paper, including identification of artistic influences, historical influences and the conceptual framework for the body of work. Students will write a paper detailing these influences and making connections to the direction of their work.

Prerequisites:

AR 503 Minimum Grade: B-

AND AR 505 Minimum Grade: B-

**AR 598 - Thesis**

Credit Hours: 6.000

The thesis may be either written research or creative work in one of the major disciplines. Creative work must be accompanied by a descriptive paper and must be defended during the student's final semester. A graduate exhibition of a creative thesis will be required.

**AR 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**BIOL 101 - Introductory Biology GT-SC1**

Credit Hours: 4.000

Introductory Biology is a one-semester lecture/laboratory course designed to acquaint the non-major with a broad overview of the fundamental principles of biology. Topics considered will include the scientific method of inquiry, evolution, the biology of cells, principles of inheritance, the biology of organisms including a survey of major groups, and ecology with emphasis on the adaptations of organisms to living and non-living environmental factors. The course includes 3 hours of lecture and 2 hours of laboratory per week.

Corequisites:

BIOL 101L

**BIOL 101L - Introductory Biology Lab**

Credit Hours: 0.000

Introductory Biology is a one-semester laboratory course designed to acquaint the non-major with a broad overview of the fundamental principles of biology.

Topics considered will include the scientific method of inquiry, evolution, the biology of cells, principles of inheritance, the biology of organisms including a survey of major groups, and ecology with emphasis on the adaptations of organisms to living and non-living environmental factors. This course includes 3 hours of lecture and 2 hours of laboratory per week.

Corequisites:

BIOL 101

BIOL 112 - Human Anatomy

Credit Hours: 4.000

A lecture/laboratory course that uses the body-system approach to study the structure of the human body.

Typically taken by HPPE students. Topics include gross anatomy, histology, the relationship between structure and function, and anatomical changes associated with disease processes. Course includes three hours of lecture and two hours of laboratory per week.

Corequisites:

BIOL 112L

### **BIOL 125 - Nutrition**

Credit Hours: 3.000

A study of the fundamentals of human nutrition with emphasis on the impact of diet on health. Topics include the scientific method, evaluating nutritional information, the anatomy and physiology of the digestive system, the chemical nature and physiological roles of nutrient groups, principles of weight control, nutritional requirements at different life stages, eating disorders, food safety, and the role of nutrition in the prevention and treatment of disease. This course includes 3 hours of lecture per week.

### **BIOL 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **BIOL 192 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **BIOL 199 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of department chair.

### **BIOL 205 - Human Anatomy & Physiology**

Credit Hours: 4.000

A lecture/laboratory course that uses the body-system approach to study the structure and function of the human body. Recommended for pre-nursing and certain Human Performance and Physical Education Department and allied health programs. Topics include gross anatomy, histology, cell function, regulation of body activities, and pathological changes in disease. The integumentary, skeletal, muscular, and nervous systems

are studied. Course includes 3 hours of lecture and 2 hours of laboratory per week.

Prerequisites:

( A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ACMA - Minimum Score: 085

OR ALEK - Minimum Score: 030

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: T

OR MATH 104 Minimum Grade: C-

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: T

OR MATH 110 Minimum Grade: C-

OR MATH 110 Minimum Grade: T

OR MATH 150 Minimum Grade: C-

OR MATH 150 Minimum Grade: T )

AND ( S01 - Minimum Score: 430

OR S11 - Minimum Score: 470

OR EPE - Minimum Score: 1

OR ( ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T )

OR A03 - Minimum Score: 18

OR ACRD - Minimum Score: 095

AND ( A01 - Minimum Score: 19

OR ACWR - Minimum Score: 095

OR ENG 096 Minimum Grade: S

OR ENG 096 Minimum Grade: T )

)

Corequisites:

BIOL 205L

### **BIOL 206 - Human Anatomy & Physiology**

Credit Hours: 4.000

A lecture/laboratory course that uses the body-system approach to study the structure and function of the human body. Recommended for pre-nursing and certain Human Performance and Physical Education Department and allied health programs. Topics include gross anatomy, histology, cell function, regulation of body activities, and pathological changes in disease. The digestive, respiratory, circulatory, urinary, endocrine, and reproductive systems are studied. Course includes 3 hours of lecture and 2 hours of laboratory per week.

Prerequisites:

( BIOL 203 Minimum Grade: C-

OR BIOL 210 Minimum Grade: C-

OR BIOL 205 Minimum Grade: C- )

OR ( BIOL 203 Minimum Grade: T

OR BIOL 210 Minimum Grade: T

OR BIOL 205 Minimum Grade: T )

Corequisites:

BIOL 206L

**BIOL 209 - General Biology I GT-SC1**

Credit Hours: 5.000

The first of a two-semester lecture/laboratory sequence introducing the fundamental principles of biology.

General Biology I content focuses on principles of evolution and the diversity of life. The General Biology sequence is the foundation for biology majors and is prerequisite to all 300- and 400-level courses in biology.

Course includes 4 hours of lecture and 2 hours of laboratory per week.

Prerequisites:

( A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ALEK - Minimum Score: 030

OR MATH 097 Minimum Grade: S-C

OR MATH 097 Minimum Grade: T

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: T

OR MATH 104 Minimum Grade: C-

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: T

OR MATH 110 Minimum Grade: C-

OR MATH 110 Minimum Grade: T

OR MATH 120 Minimum Grade: C-

OR MATH 120 Minimum Grade: T )

AND ( S01 - Minimum Score: 430

OR S11 - Minimum Score: 470

OR EPE - Minimum Score: 1

OR ( ENG 096 Minimum Grade: S-C

OR ENG 096 Minimum Grade: T )

OR ( ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T )

OR ( ( A03 - Minimum Score: 18

OR ACRD - Minimum Score: 080

OR READ 090 Minimum Grade: S

OR READ 090 Minimum Grade: T )

AND ( A01 - Minimum Score: 19

OR ACWR - Minimum Score: 095

OR ENG 090 Minimum Grade: S

OR ENG 090 Minimum Grade: T )

)

)

Corequisites:

BIOL 209L

**BIOL 210 - General Biology II GT-SC1**

Credit Hours: 5.000

The second of a two-semester lecture/laboratory sequence introducing the fundamental principles of biology. General Biology II focuses on cellular,

Mendelian, and molecular processes. The General

Biology sequence is the foundation for Biology majors

and is prerequisite to all 300 and 400 level courses in Biology. Course includes 4 hours of lecture and 2 hours of laboratory per week.

Prerequisites:

BIOL 209 Minimum Grade: C-

OR BIOL 209 Minimum Grade: T

OR BIOL 209 Minimum Grade: C-

AND ( CHEM 131 Minimum Grade: C-

OR CHEM 131 Minimum Grade: T )

OR ( CHEM 111 Minimum Grade: C-

OR CHEM 111 Minimum Grade: C-

OR CHEM 111 Minimum Grade: T )

Corequisites:

BIOL 210L

**BIOL 215 - Microbiology for Non-Majors**

Credit Hours: 4.000

A lecture/laboratory course designed to fulfill requirements for pre-nursing and pre-pharmacy students as a practical introduction to microorganisms, especially bacteria and viruses, and their contribution to human health and disease. Laboratory exercises are designed to provide experience in handling microorganisms, bacterial identification, and other basic principles of microbiology. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites:

( ( BIOL 205 Minimum Grade: C-

OR BIOL 205 Minimum Grade: T

AND CHEM 105 Minimum Grade: C-

OR CHEM 105 Minimum Grade: T )

AND ( CHEM 105L Minimum Grade: C-

OR CHEM 105L Minimum Grade: T )

)

OR ( ( BIOL 203 Minimum Grade: C-

OR BIOL 203 Minimum Grade: T )

AND ( BIOL 204 Minimum Grade: C-

OR BIOL 204 Minimum Grade: T )

)

OR ( ( BIOL 209 Minimum Grade: C-

OR BIOL 209 Minimum Grade: T )

AND ( BIOL 210 Minimum Grade: C-

OR BIOL 210 Minimum Grade: T )

)

**BIOL 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**BIOL 292 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 299 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **BIOL 314 - Conservation Biology**

Credit Hours: 3.000

Conservation biology is the study of how to preserve the world's biological and genetic diversity while maintaining functional ecosystems. The course will explore these issues using an integrated approach with emphasis on identifying ways that wildlife and humans can sustainably coexist.

Prerequisites:

( BIOL 330 Minimum Grade: C-  
OR GEOG 307 Minimum Grade: C- )  
OR ( BIOL 330 Minimum Grade: T  
OR GEOG 307 Minimum Grade: T )

### **BIOL 321 - Genetics**

Credit Hours: 3.000

A study of Mendelian and molecular genetics of eukaryotes and prokaryotes. Discussions include basic Mendelian principles, meiosis/mitosis, linkage, gene expression, and molecular techniques. Course includes 3 hours of lecture and 1 hour of peer learning activities per week.

Prerequisites:

( BIOL 203 Minimum Grade: C-  
OR BIOL 210 Minimum Grade: C-  
OR BIOL 203 Minimum Grade: T  
OR BIOL 210 Minimum Grade: T )  
AND ( BIOL 204 Minimum Grade: C-  
OR BIOL 209 Minimum Grade: C-  
OR BIOL 204 Minimum Grade: T  
OR BIOL 209 Minimum Grade: T )  
AND ( ( ( CHEM 111 Minimum Grade: C-  
OR CHEM 111 Minimum Grade: T )  
AND ( CHEM 111L Minimum Grade: C-  
OR CHEM 111L Minimum Grade: T )  
)  
OR ( ( CHEM 131 Minimum Grade: C-  
OR CHEM 131 Minimum Grade: T )  
AND ( CHEM 131L Minimum Grade: C-  
OR CHEM 131L Minimum Grade: T )  
OR ( CHEM 132 Minimum Grade: C-  
OR CHEM 132 Minimum Grade: T )  
AND CHEM 132L Minimum Grade: C-  
OR CHEM 132L Minimum Grade: T )  
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)  
)

### **BIOL 323 - Cellular Biology**

Credit Hours: 3.000

The study of higher plant and animal cells and tissues at the biochemical level including: organelle structure, function, and metabolic role; cell growth, differentiation and specialization; and a survey of instrumentation and methodologies for investigating life processes at the

biochemical level. Course includes three hours of lecture per week. Concurrent registration in BIOL 321 and BIOL 325 is recommended.

Prerequisites:

( BIOL 203 Minimum Grade: C-  
OR BIOL 210 Minimum Grade: C-  
OR BIOL 203 Minimum Grade: T  
OR BIOL 210 Minimum Grade: T )  
AND ( BIOL 204 Minimum Grade: C-  
OR BIOL 209 Minimum Grade: C-  
OR BIOL 204 Minimum Grade: T  
OR BIOL 209 Minimum Grade: T )  
AND ( ( CHEM 111 Minimum Grade: C-  
OR CHEM 111 Minimum Grade: T )  
AND ( CHEM 111L Minimum Grade: C-  
OR CHEM 111L Minimum Grade: T )  
OR ( CHEM 131 Minimum Grade: C-  
OR CHEM 131 Minimum Grade: T )  
AND ( CHEM 131L Minimum Grade: C-  
OR CHEM 131L Minimum Grade: T )  
)  
)

### **BIOL 325 - Cellular Biology/Genetics Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with Biol 321 and Biol 323. Laboratory exercises in this course are designed to demonstrate, complement, and extend concepts considered in Biol 321 and Biol 323. Students will engage in exercises involving a variety of techniques in which data pertinent to both disciplines will be gathered and analyzed. Course includes 3 hours of laboratory per week.

Prerequisites:

( BIOL 203 Minimum Grade: C-  
OR BIOL 210 Minimum Grade: C-  
OR BIOL 203 Minimum Grade: T  
OR BIOL 210 Minimum Grade: T )  
AND ( BIOL 204 Minimum Grade: C-  
OR BIOL 209 Minimum Grade: C-  
OR BIOL 204 Minimum Grade: T  
OR BIOL 209 Minimum Grade: T )  
AND ( ( CHEM 111 Minimum Grade: C-  
OR CHEM 111 Minimum Grade: T )  
AND ( CHEM 111L Minimum Grade: C-  
OR CHEM 111L Minimum Grade: T )  
OR ( CHEM 131 Minimum Grade: C-  
OR CHEM 131 Minimum Grade: T )  
AND ( CHEM 131L Minimum Grade: C-  
OR CHEM 131L Minimum Grade: T )  
)  
)

Corequisites:

BIOL 321

BIOL 323

### **BIOL 330 - Ecology**

Credit Hours: 4.000



An introduction to major ecological concepts and models at the levels of individuals, populations, communities, and ecosystems. The laboratory includes laboratory and field exercises, and an introduction to data collection and analysis. Previous credit or concurrent registration in MATH 205 and BIOL 332 are recommended. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites:

( BIOL 203 Minimum Grade: C-  
OR BIOL 203 Minimum Grade: T  
OR BIOL 210 Minimum Grade: C-  
OR BIOL 210 Minimum Grade: T )  
AND ( BIOL 209 Minimum Grade: C-  
OR BIOL 209 Minimum Grade: T  
OR BIOL 204 Minimum Grade: C-  
OR BIOL 204 Minimum Grade: T )  
OR ( GEOG 307 Minimum Grade: C-  
OR GEOG 307 Minimum Grade: T  
AND BIOL 209 Minimum Grade: C-  
OR BIOL 209 Minimum Grade: T )

### **BIOL 332 - Evolution**

Credit Hours: 3.000

A study of the history and development of evolutionary theory. Consideration is given to evidence for and mechanisms of evolution from anatomical, developmental, geological, mathematical, and molecular perspectives. Credit or concurrent registration in BIOL 330 is recommended. This course includes 3 hours of lecture per week.

Prerequisites:

( BIOL 203 Minimum Grade: C-  
OR BIOL 203 Minimum Grade: T  
OR BIOL 210 Minimum Grade: C-  
OR BIOL 210 Minimum Grade: T )  
AND ( BIOL 204 Minimum Grade: C-  
OR BIOL 204 Minimum Grade: T )  
OR BIOL 209 Minimum Grade: T  
OR BIOL 209 Minimum Grade: C-  
AND BIOL 321 Minimum Grade: C-  
OR BIOL 321 Minimum Grade: T

### **BIOL 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **BIOL 380 - Natural Hist of Wrld Regions**

Credit Hours: 3.000

This field course, offered during winter, spring, or summer break for declared science or mathematics major in good standing, explores the natural history of selected regions of the world. Emphasis will be placed on geology, flora, fauna, and ecology of the selected region. Examples of world regions to be studied include the Galapagos Islands and Eastern/Southern Africa. To register for this course, students must have completed

two semesters of college-level science courses with a minimum grade of C-, or instructor permission.

### **BIOL 392 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **BIOL 399 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **BIOL 404 - Physiological Zoology**

Credit Hours: 3.000

Consideration of structural, functional, and behavioral aspects of physiological mechanisms within an ecological context. Adaptations of animals in response to common, changing, and/or extreme environmental stresses will be emphasized at both proximate and ultimate levels of inquiry. This course includes 3 hours of lecture per week and is offered during spring term of odd-numbered years.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 407 - Comparative Animal Physiology**

Credit Hours: 4.000

A lecture and laboratory course in which physiological principles common to all major animal phyla are discussed. Consideration of function ranges from biochemical to organismal levels and the comparative method is emphasized in the examination of physiological adaptations required to live in a variety of environments. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during fall term of even-numbered years. Biochemistry (CHEM 401 and 402) and senior standing are recommended. This course includes three hours and three hours of lab peer week.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C-  
AND CHEM 321 Minimum Grade: C-  
AND CHEM 321L Minimum Grade: C-  
AND CHEM 322 Minimum Grade: C-

AND CHEM 322L Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T  
AND CHEM 321 Minimum Grade: T  
AND CHEM 321L Minimum Grade: T  
AND CHEM 322 Minimum Grade: T  
AND CHEM 322L Minimum Grade: T )

### **BIOL 408 - Developmental Biology**

Credit Hours: 4.000

A lecture and laboratory exploration of the principles of cellular differentiation, morphogenesis, and development with emphasis on underlying genetic mechanisms.

Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 411 - Comparative Anatomy**

Credit Hours: 4.000

An integrated lecture/laboratory investigation of the anatomy and functional morphology of the major groups of chordates and vertebrates with emphasis on the comparative method, anatomical changes through evolutionary history, and inferential reconstruction of phyletic evolutionary descent. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during fall term of odd-numbered years.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 417 - Vascular Plant Systematics**

Credit Hours: 4.000

A study of vascular plants (tracheophytes), including phylogeny, taxonomy, molecular systematics, reproduction, ecological relationships, identification,

collection, and preservation. Course includes 3 hours of lecture and 3 hours of laboratory per week

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 420 - Mycology**

Credit Hours: 4.000

A study of the biology of fungi with emphasis on their identification, classification, morphology, development, ecology, and economic significance. Course includes three hours of lecture and three hours of laboratory per week.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 423 - Plant Physiology**

Credit Hours: 4.000

A study of the mechanisms of plant function throughout development from seeds through reproduction. This course includes consideration of metabolism (photosynthesis, respiration, mineral nutrition), water relations, gas exchange, and developmental growth in response to hormones. An integrated laboratory component requires an independently researched project. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 430 - Plant Ecology**

Credit Hours: 4.000

A study of the physiological mechanisms underlying plant responses to abiotic constraints. Topics will include the function of plants and plant communities in relation to soils, climate, other plants, animals, and human activity. Course includes 3 hours of lecture and 3 hours of laboratory/field exercises per week. BIOL 417 is recommended.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 440 - Invertebrate Zoology**

Credit Hours: 4.000

A survey of the major groups of invertebrate animals from the Protozoa through Chordata with emphasis on anatomy, ecology, evolution, physiology, and taxonomy. Relationships will be demonstrated through study of selected invertebrate types including marine, freshwater, and terrestrial species. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during spring term of even-numbered years.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 448 - Microbiology**

Credit Hours: 4.000

The study of bacteria, fungi, protozoans, and viruses with emphasis on their morphology, physiology, and medical and ecological interactions with human populations. Laboratory exercises are designed to provide experience in handling microorganisms, identification of bacteria, isolation of bacteriophages, and other basic principles of microbiology. Course includes 3 hours of lecture and 3 hours of laboratory per week. Chemistry 321/321L and Chem 322/322L are recommended.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-

AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 450 - Immunology**

Credit Hours: 3.000

Introduction to the cellular and molecular participants in the immune response. Discussion of the relationship between immune mechanisms and medical problems such as allergy, AIDS, malignancy, infection, and organ transplantation. Course includes 3 hours of lecture per week. Course is offered during spring term of even numbered years.

Prerequisites:

BIOL 448 Minimum Grade: C-  
OR BIOL 448 Minimum Grade: T

### **BIOL 451 - Endocrinology**

Credit Hours: 3.000

The study of the production, regulation, and function of classical hormones and paracrine regulatory molecules. Emphasis will be placed on human endocrinology, but the material will also include discussions of the evolution of hormone families and comparisons between species. Class activities will include histological study of endocrine tissue, videos of hormonal action, analysis of experiments in journal articles and discussions of medical case histories. Course includes 3 hours of lecture per week and is offered during the fall term of even-numbered years.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 460 - Ornithology**

Credit Hours: 3.000

An integrated lecture and laboratory course covering the major taxonomic groups of birds, their ecology, evolutionary fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Lecture topics are supplemented with laboratory and field identification. Course includes three hours of lecture per week. Additional laboratory/field exercises are required.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

**BIOL 461 - Entomology**

Credit Hours: 3.000

Biology of insects with emphasis on anatomy, physiology, natural history, evolution, life cycles, and identification of major groups. This course included two hours of lecture and two hours of lab per week.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

**BIOL 463 - Ichthyology**

Credit Hours: 3.000

An integrated lecture and laboratory course covering the major economic groups of fishes, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes three hours of lecture per week. Additional laboratory/field exercises are required.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

**BIOL 464 - Mammalogy**

Credit Hours: 3.000

An integrated lecture and laboratory course covering the major taxonomic groups of mammals, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes 3 hours of lecture per week. Additional laboratory/field exercises are required.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

**BIOL 467 - Wildlife Management**

Credit Hours: 2.000

Study of the ecological foundation, historical development, techniques, and current perspectives and challenges in wildlife management. Course includes two hours of lecture per week and is offered during fall term of even-numbered years. MATH 205 is recommended.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )  
OR ( BIOL 330 Minimum Grade: C-  
AND GEOG 212 Minimum Grade: C- )  
OR ( BIOL 330 Minimum Grade: T  
AND GEOG 212 Minimum Grade: T )

**BIOL 468 - Vegetation/Habitat Management**

Credit Hours: 2.000

A study of the composition, structure and productivity of vegetation with emphasis on ecological applications in creating and managing wildlife habitat.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 330 Minimum Grade: C-  
AND GEOG 212 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )  
OR ( BIOL 330 Minimum Grade: T  
AND GEOG 212 Minimum Grade: T )

**BIOL 469 - Fisheries Management**

Credit Hours: 2.000

A study of the ecological foundation, historical development, techniques, and current perspectives and challenges in inland fisheries management. Emphasis will be on the application of scientific management of fishes, their habitats, and managing human use of inland fisheries. Fisheries management does not include a separate laboratory section, but will include various field trips to give students the opportunity to observe and apply management techniques discussed in class. Course includes three hours of lecture per week and is offered during fall term of odd-numbered years. MATH 205 is recommended.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 471 - Herpetology**

Credit Hours: 3.000

An integrated lecture and laboratory course covering the major taxonomic groups of amphibians and reptiles, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes three hours of lecture per week. Additional laboratory/field exercises are required.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T  
AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

### **BIOL 476 - Molecular Biology**

Credit Hours: 4.000

An introduction to the study of nucleic acids, genomes and molecular mechanisms with emphasis on genome organization, gene expression, and the techniques used in the study of molecular biology. Laboratory exercises will include standard methodologies such as restriction mapping, cloning, hybridization, DNA libraries, and PCR. Course includes three hours of lecture and four hours of laboratory per week. Senior standing is recommended.

Prerequisites:

BIOL 448 Minimum Grade: C-  
OR BIOL 448 Minimum Grade: T  
OR CHEM 401 Minimum Grade: C-  
OR CHEM 401 Minimum Grade: T

### **BIOL 477 - Genomics & Bioinformatics**

Credit Hours: 4.000

This course is designed to provide students with an in-depth understanding of comparative and functional genomics and practice using genomics and bioinformatics tools. Topics discussed include structure and anatomy of DNA elements, sequencing and other methods used in decoding DNA, genes, and entire genomes, gene expression profiling, gene annotation, homology, clusters of ortholog genes, protein structure function, high throughput functional assays, and experimental perturbation of genomes for medical purposes. Examples presented in the course illustrate the role of functional genomics in drug design, gene discovery, and in designing individual therapies for a variety of diseases and disorders. Laboratory exercises will give students experience in handling and interpreting biological data using various computational methods.

Prerequisites:

( CHEM 401 Minimum Grade: C-  
OR CHEM 401 Minimum Grade: T )  
AND ( BIOL 476 Minimum Grade: C-  
OR BIOL 476 Minimum Grade: T )

### **BIOL 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **BIOL 492 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **BIOL 493 - Thesis I**

Credit Hours: 1.000

First in a series of two capstone courses for biology majors designed to review and synthesize their biological background. The emphasis is on writing an independent research paper, or formal literature review of a selected topic in biology. Emphasis is on writing as a process and effective peer review. Course includes 2 hours of lecture per week. A minimum of six credit hours of 400- level biology coursework with grades C or better, or permission of the biology department is required.

Prerequisites:

( BIOL 321 Minimum Grade: C-  
AND BIOL 323 Minimum Grade: C-  
AND BIOL 325 Minimum Grade: C-  
AND BIOL 330 Minimum Grade: C-  
AND BIOL 332 Minimum Grade: C- )  
OR ( BIOL 321 Minimum Grade: T

AND BIOL 323 Minimum Grade: T  
AND BIOL 325 Minimum Grade: T  
AND BIOL 330 Minimum Grade: T  
AND BIOL 332 Minimum Grade: T )

**BIOL 494 - Thesis II**

Credit Hours: 1.000

Second in a series of two capstone courses for biology designed to review and synthesize their biological background. The emphasis is on developing oral presentation skills. Students will prepare and deliver several short oral presentations as well as one formal seminar on a biological topic. Course includes two hours of lecture per week.

Prerequisites:

BIOL 493 Minimum Grade: C-

OR BIOL 493 Minimum Grade: T

**BIOL 499 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BIOL 579 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**BIOL 592 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 599 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**BUS 103 - Introduction to Business**

Credit Hours: 3.000

An overview of business and economics for the non-major, and a first step for all business majors. The course both defines and applies the fundamental principles of economics, management, marketing, management information systems (MIS), accounting and finance, including personal finance.

**BUS 105 - Introduction to Agribusiness**

Credit Hours: 3.000

An introductory course designed to provide students with a basic background in agribusiness issues and practices to give them the foundation to be successful in upper level agribusiness courses and meet expectations for basic knowledge in agribusiness relationships.

**BUS 114 - The Business of Life**

Credit Hours: 3.000

This course will guide you through methods for managing your money, budget and savings. This course is "practical" as opposed to "theoretical" in content. Students will learn how paychecks are calculated, how

to create and use budgets, to purchase/lease a car/ how to rent or buy a home, how to choose insurance/investment broker, how to plan for major life events like marriage and retirement. Mastery of the course material will enable the students to more intelligently make financial decisions within their life.

**BUS 120 - Bus Computer Applications I**

Credit Hours: 3.000

The focus of this course is to provide first and second year students with the computer and information system skills to support computer requirements for the School of Business program and meet essential business career demands. The course will cover an introduction to computers and information system technologies. In addition, the goal of the course is to learn basic skills in the Windows operating system, Internet essentials, and Microsoft Office.

**BUS 179 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**BUS 192 - Workshops**

Credit Hours: 1.000 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 199 - Individual Studies**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BUS 207 - Principles of Accounting I**

Credit Hours: 3.000

Course begins with necessary bookkeeping skills for recording simple financial transactions and preparing basic financial statements. Theory behind accounting rules is emphasized so the student can apply knowledge gained to ever changing real-world situations.

**BUS 208 - Principles of Accounting II**

Credit Hours: 3.000

Continuation of Bus 207. Covers accounting for capital provided through the partnership and corporate forms of business enterprise. At the conclusion of this course, the student will be able to read and interpret the three principal financial statements: the income statement, balance sheet, and statement of changes in financial position. Topics related to managerial accounting also covered.

Prerequisites:

BUS 207 Minimum Grade: C

OR BUS 207 Minimum Grade: C-

OR BUS 207 Minimum Grade: T

OR BUS 207 Minimum Grade: C-

**BUS 211 - Business Law**

Credit Hours: 3.000

Study of the legal principles pertaining to contracts, agency, negotiable instruments, corporations, partnerships, and government regulations. Research of actual cases is required.

**BUS 265 - Business Communications**

Credit Hours: 3.000

Emphasizes advanced business writing, verbal and non-verbal expression and communication, and presentation skills for contemporary business environments. This course explores the communication process used to strengthen personal and thus business relationships by preparing specific forms of business communication. Team communication, ethical communication, and multi-cultural communication are discussed in this course.

Prerequisites:

ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T

**BUS 279 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**BUS 292 - Workshop**

Credit Hours: 1.000 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 299 - Individual Studies**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BUS 301 - Computerized Accounting**

Credit Hours: 1.000

Introduction to Computerized Accounting using a cloud based general ledger/subsidiary ledger system. Activities include establishing and maintaining the general ledger account, entering transactions and journal entries and producing reports.

**BUS 304 - Principles of Marketing**

Credit Hours: 3.000

Description and analysis of the marketing mix variables (Price, Place, Product, Promotion). Study of the various institutions involved in marketing. Emphasis on the methods available to marketers for building long-term relationships with customers. The importance of a customer perspective is stressed.

Prerequisites:

BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T

OR BUS 103 Minimum Grade: C-

**BUS 305 - Intermediate Accounting I**

Credit Hours: 4.000

The first of a two-course sequence of Intermediate Accounting designed to develop a framework for the role financial accounting plays in the world of business.

A study of the conceptual basis of accounting will be conducted, creating a more in-depth understanding of the preparation and interpretation of financial statements and related information. This course will focus on the study of modern-day accounting theory and application of generally accepted accounting principles to various topics and financial statement elements. Students will be introduced to the U.S. Accounting Standards Codification and basic research tools.

Prerequisites:

BUS 208 Minimum Grade: C-

OR BUS 208 Minimum Grade: T

OR BUS 208 Minimum Grade: C-

**BUS 306 - Intermediate Accounting II**

Credit Hours: 4.000

The second of a two-course sequence of Intermediate Accounting designed to develop a framework for the role financial accounting plays in the world of business. A study of the conceptual basis of accounting will be conducted, creating a more in-depth understanding of the preparation and interpretation of financial statements and related information. This course will focus on the study of modern-day accounting theory and application of generally accepted accounting principles to various topics and financial statement elements. Students will continue their use of the U.S. Accounting Standards Codification as a research tools.

Prerequisites:

BUS 305 Minimum Grade: C-

OR BUS 305 Minimum Grade: T

**BUS 307 - Managerial Cost Accounting I**

Credit Hours: 3.000

Principles and methods of recording and interpreting cost data. Major emphasis on developing accounting information for planning, control, and decision making.

Prerequisites:

BUS 208 Minimum Grade: C-

OR BUS 208 Minimum Grade: T

OR BUS 208 Minimum Grade: C-

**BUS 308 - Managerial Cost Accounting II**

Credit Hours: 3.000

Principles and methods of recording and interpreting cost data. Major emphasis on developing accounting information for planning, control, and decision making.

Prerequisites:

BUS 307 Minimum Grade: C-

OR BUS 307 Minimum Grade: T

**BUS 315 - Sales and Sales Management**

Credit Hours: 3.000

This course is designed to introduce students to management techniques as they relate specifically to the marketing and sales area. Topics covered include: the selling process, compensation systems, motivation and leadership, time and territory management, sales forecasting, quotas, and evaluating the sales force.

Prerequisites:

BUS 304 Minimum Grade: C-

OR BUS 304 Minimum Grade: T

**BUS 316 - Public and Nonprofit Mgmt**

Credit Hours: 3.000

This course is designed to examine public and nonprofit management. This type of management is driven by mission and/or executive/legislative directions. It is not about the bottom line or profit. Students will learn both the theory and practice of public and nonprofit management, using the concept case method and service learning opportunities.

**BUS 318 - Business Statistics**

Credit Hours: 3.000

Provides a basic understanding of the fundamental principles with emphasis on the application of statistical techniques to the analysis and solution of real business problems.

Prerequisites:

MATH 104 Minimum Grade: C-

OR MATH 104 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 120 Minimum Grade: C-

OR MATH 120 Minimum Grade: C-

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: T

**BUS 320 - Bus Computer Applications II**

Credit Hours: 3.000

The focus of this course is to explore application software on a comprehensive level to gain expertise to support decision-making and manage information. Study includes intermediate Word and Excel applications; intermediate to advanced PowerPoint; intermediate Access, integration of Office applications, and an introduction to HTML and building web pages.

Prerequisites:

BUS 120 Minimum Grade: C-

OR BUS 120 Minimum Grade: T

**BUS 335 - Consumer Behavior**

Credit Hours: 3.000

Study of consumer behavior as it relates to the marketing functions. Emphasis on the models of consumer behavior and their application to practical marketing problems.

Prerequisites:

BUS 304 Minimum Grade: C-

OR BUS 304 Minimum Grade: T

OR BUS 304 Minimum Grade: C-

**BUS 345 - Advertising**

Credit Hours: 3.000

Discusses the history, purposes, and regulations of the advertising industry. Topics covered include creative principles, media advantages and disadvantages, media planning, regulation of advertising, and coordination with other promotion activities.

Prerequisites:

BUS 304 Minimum Grade: C-

OR BUS 304 Minimum Grade: T

OR BUS 304 Minimum Grade: C-

**BUS 355 - Individual Income Taxation**

Credit Hours: 4.000

This course involves the study of federal income tax on individual and property transactions. Objectives of taxation are given major emphasis. The Internal Revenue Code is discussed in addition to textbook material in order to acquaint the student with the ultimate source of tax law. Income tax return problems and tax cases may be assigned to provide practical application of the tax law.

Prerequisites:

( BUS 208 Minimum Grade: C-

OR BUS 208 Minimum Grade: C-

OR BUS 208 Minimum Grade: T )

**BUS 356 - Retailing**

Credit Hours: 3.000

Study of marketing and management problems faced in the operation of a retail business. Emphasis is given to techniques for solving problems in location, management, and merchandising, especially with the integration of Internet retailing (E-Tailing) as both a competitor and an extension of the storefront business.

Prerequisites:

BUS 304 Minimum Grade: C-

OR BUS 304 Minimum Grade: T

**BUS 358 - Accounting Ethics**

Credit Hours: 3.000

Ethics as it applies to the accounting and auditing professions and will be the focus of this course. Emphasis will be on the concept of independence, along with integrity, objectivity, ethical reasoning, and other core values necessary for a high level of professional ethics in the accounting profession.

Prerequisites:

( BUS 306 Minimum Grade: C-

OR BUS 306 Minimum Grade: T )

**BUS 360 - Govt & Institution Accounting**

Credit Hours: 3.000

Study of accounting procedures related to governmental units and nonprofit institutions.

Prerequisites:

BUS 305 Minimum Grade: C-

OR BUS 305 Minimum Grade: T

OR BUS 305 Minimum Grade: C-

**BUS 361 - Principles of Management**

Credit Hours: 3.000 TO 4.000



Explores theory and practice of managing an organization and its personnel with emphasis on planning, designing, and controlling to meet the needs of modern public or private organizations. Includes emerging trends and international issues.

**BUS 362 - Human Resource Management**

Credit Hours: 3.000

Analysis of techniques used to organize, motivate, and manage personnel in public or private organizations. Includes case studies and examines current literature and the current legal environment.

Prerequisites:

BUS 361 Minimum Grade: C-  
OR BUS 361 Minimum Grade: T  
OR BUS 361 Minimum Grade: C-

**BUS 363 - Managerial Finance**

Credit Hours: 3.000

A comprehensive study of the field of finance, covering institutions, financial markets, investments, and financial theory and techniques relating to financial decisions in business. Topics include risk and rates of return, time value of money, stocks and bonds characteristics and valuation, cost of capital, capital budgeting techniques, dividend policy, analysis of financial statements, and working capital policy.

Prerequisites:

( BUS 208 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C- )  
OR ( BUS 208 Minimum Grade: T  
AND ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T )  
OR ( BUS 208 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C- )  
AND ( BUS 318 Minimum Grade: C-  
OR BUS 318 Minimum Grade: T )

**BUS 364 - Agribusiness Management**

Credit Hours: 3.000

Management issues of agricultural businesses such as the forms of ownership, financial statements, analysis, and planning, investment analysis, strategic marketing, management of organizations, and human resources management.

Prerequisites:

( BUS 105 Minimum Grade: D  
AND BUS 207 Minimum Grade: D  
AND BUS 363 Minimum Grade: C- )  
OR ( BUS 105 Minimum Grade: T  
AND BUS 207 Minimum Grade: T  
AND BUS 363 Minimum Grade: T )  
OR ( BUS 105 Minimum Grade: C-  
AND BUS 207 Minimum Grade: C-  
AND BUS 363 Minimum Grade: C- )

**BUS 365 - Small Bus Mngmnt/Entrepreneur**

Credit Hours: 3.000

This course presents the techniques and information necessary to create a comprehensive business plan for an entrepreneurial idea. Coursework addresses feasibility analysis, management, marketing, technology, and financial plans, culminating in presentation of a viable business plan.

Prerequisites:

( BUS 207 Minimum Grade: C-  
AND BUS 208 Minimum Grade: C-  
AND BUS 304 Minimum Grade: C-  
AND BUS 361 Minimum Grade: C- )  
OR ( BUS 207 Minimum Grade: T  
AND BUS 208 Minimum Grade: T  
AND BUS 304 Minimum Grade: T  
AND BUS 361 Minimum Grade: T )  
OR ( BUS 207 Minimum Grade: C-  
AND BUS 208 Minimum Grade: C-  
AND BUS 304 Minimum Grade: C-  
AND BUS 361 Minimum Grade: C- )

**BUS 367 - Financial Analysis**

Credit Hours: 3.000

Examination of techniques for analyzing, understanding, and applying financial information in decision situations. Topics start with financial statement analysis, development of financial models, financial forecasting, cost of capital estimation, and ends with company valuation. In addition, there will be a "hands on" project to provide students with experience in analyzing and understanding a corporate annual report using EXCEL spread sheet analysis.

Prerequisites:

( BUS 320 Minimum Grade: C-  
AND BUS 363 Minimum Grade: C- )  
OR ( BUS 320 Minimum Grade: T  
AND BUS 363 Minimum Grade: T )

**BUS 368 - Financial Institutions**

Credit Hours: 3.000

The course focuses on managing return and risk in modern financial institutions. It examines the financial services industry risk of financial intermediation, measurement of interest rate risk, credit and market risk, individual loan and liquidity risks, as well as off-balance sheet and sovereign risks. The course covers management of assets and liabilities, capital adequacy and depository insurance. Futures, forwards, options, caps, floors, collars, swaps and securitization will be also covered.

Prerequisites:

BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: T

**BUS 371 - Payroll Acctg & Taxation**

Credit Hours: 3.000

This course is devoted to the principles of payroll computations and administration including creation and

maintenance of payroll records as well as proper payroll tax depositing and reporting.

Prerequisites:

( BUS 208 Minimum Grade: C-  
OR BUS 208 Minimum Grade: T )

**BUS 373 - Investment Analysis**

Credit Hours: 3.000

Bus 318 recommended. The course is a study of personal investment planning, traditional and alternative investment vehicles, investment media, investment strategy, and portfolio analysis. The student will become familiar with both money market and capital investment markets as well as strategies for assessing returns and risks of various security instruments.

Prerequisites:

( BUS 208 Minimum Grade: C-  
AND BUS 363 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C- )  
OR ( BUS 208 Minimum Grade: T  
AND BUS 363 Minimum Grade: T  
AND ECON 255 Minimum Grade: T )

**BUS 377 - Agricultural Taxation**

Credit Hours: 3.000

This course is devoted to specific income tax laws associated with agricultural business to include farmers and ranchers both as individuals and as part of taxable entities.

Prerequisites:

( BUS 355 Minimum Grade: C-  
OR BUS 355 Minimum Grade: T )

**BUS 378 - Commodities/Risk Management**

Credit Hours: 3.000

The goal of this course is to provide students with knowledge of risk management for agricultural endeavors as well as practical knowledge of how the futures and options markets work, how to manage risk involved in agriculture production or operation, and various tools available to manage specific situations. Bus 103 Intro to Business or instructor consent. Bus 105 Intro to Agribusiness or instructor consent. Bus 318 Principles of Management or instructor consent.

Prerequisites:

( BUS 103 Minimum Grade: D  
AND BUS 105 Minimum Grade: D  
AND BUS 318 Minimum Grade: C- )  
OR ( BUS 103 Minimum Grade: T  
AND BUS 105 Minimum Grade: T  
AND BUS 318 Minimum Grade: T )

**BUS 379 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**BUS 381 - Business Internship I**

Credit Hours: 1.000 TO 3.000

Junior standing and approval of the department chair required. The internships are planned, meaningful work experiences that are academic in nature. Supervision consists of a site supervisor who is a qualified professional in the business or organization where the internship is arranged and a faculty sponsor who is a full-time professor in the School of Business, usually from the student's major. The site supervisor evaluates the work performed by the student on the job. The faculty sponsor is responsible for maintenance of academic quality and assigns the course grade. (30 contact hours=1 credit hour)

**BUS 383 - Int'l Financial Mgmt**

Credit Hours: 3.000

A comprehensive study of international financial markets that covers currency exchange mechanisms in theory and practice. In line with the rapid globalization of the economy, the goal of this course is to analyze the international financial environment and how managers function in this increasingly uncertain global environment. The course will focus on three main areas of international finance: international financial environment, exchange rate behavior, and exchange risk management.

Prerequisites:

BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: T

**BUS 384 - Natural Resources/Water Law**

Credit Hours: 3.000

The goal of this course is to provide students with knowledge of the regulatory responsibilities related to agriculture production and operations with respect to natural resources and water. The course will cover federal, state, and local requirements as well as application to agribusiness endeavors.

Prerequisites:

( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND BUS 211 Minimum Grade: C- )  
OR ( BUS 103 Minimum Grade: T  
AND BUS 105 Minimum Grade: T  
AND BUS 211 Minimum Grade: T )

**BUS 385 - Sports Marketing**

Credit Hours: 3.000

Illustrates the dynamic, progressive and influential nature of sports marketing. Explores the sport marketing concept as a consumer-driven, integrated, goal-oriented philosophy for a team, event, organization or athlete. Topics covered include: athletic endorsements, team sports, event sponsorships and alternative sports.

**BUS 392 - Workshops**

Credit Hours: 0.330 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 394 - Women & Pwr:Gender, Bus, Ldrshp**

Credit Hours: 3.000

The rise of women into powerful leadership roles in business, politics, and entrepreneurship is among one of the most profound social transformations in recent decades. This course examines contemporary issues relevant to women as leaders. Topics include recent research on women and applied leadership in the workplace; skills and strategies for negotiation, coalition-building and influencing the career path to leadership, and discussions by women from diverse personal and professional backgrounds with similar levels of career achievement.

### **BUS 398 - Farm and Ranch Management**

Credit Hours: 3.000

The application of economic and business principles to the management and operation of farms and ranches for decision making purposes.

Prerequisites:

( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND BUS 207 Minimum Grade: C-  
AND BUS 361 Minimum Grade: C- )  
OR ( BUS 103 Minimum Grade: T  
AND BUS 105 Minimum Grade: T  
AND BUS 207 Minimum Grade: T  
AND BUS 361 Minimum Grade: T )

### **BUS 399 - Individual Studies**

Credit Hours: 1.000 TO 4.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **BUS 401 - Organizational Behavior**

Credit Hours: 3.000

Participants in the course will explore the theory of human relations in organizations. The emphasis will be on the application of behavioral science knowledge to contemporary organizational issues, which may include individual and group dynamics, motivation, leadership, organizational change, and development.

Prerequisites:

BUS 361 Minimum Grade: C-  
OR BUS 361 Minimum Grade: T

### **BUS 405 - Advanced Accounting**

Credit Hours: 4.000

Bus 405 involves preparation and study of the need for consolidated financial statements. Additionally, it examines accounting problems associated with partnerships and foreign currency transactions.

Prerequisites:

BUS 306 Minimum Grade: C-  
OR BUS 306 Minimum Grade: T  
OR BUS 306 Minimum Grade: C-

### **BUS 407 - Auditing I**

Credit Hours: 3.000

Study of ethical standards, auditing standards, audit procedures, and evolution of internal control to learn how financial statements are examined and audit reports prepared in accordance with Generally Accepted Auditing Standards.

Prerequisites:

( BUS 305 Minimum Grade: C-  
OR BUS 305 Minimum Grade: C-  
OR BUS 305 Minimum Grade: T )  
AND ( BUS 306 Minimum Grade: T  
OR BUS 306 Minimum Grade: C-  
OR BUS 306 Minimum Grade: C- )  
AND ( BUS 318 Minimum Grade: C-  
OR BUS 318 Minimum Grade: C-  
OR BUS 318 Minimum Grade: T )

### **BUS 409 - Fraud Examination**

Credit Hours: 3.000

This class will explain how occupational fraud is committed, how fraudulent conduct can be deterred and how allegations of fraud should be investigated and resolved.

Prerequisites:

BUS 305 Minimum Grade: C-  
OR BUS 305 Minimum Grade: T

### **BUS 414 - Commercial Banking**

Credit Hours: 3.000

Bank Management is an in-depth study of banking institutions, with special emphasis on commercial banks and their connection to the Federal Reserve System and other financial institutions. A risk management perspective is adopted, and the fast changing global regulatory and financial environments are discussed. A Uniform Bank Performance Report will be analyzed.

Prerequisites:

BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: T

### **BUS 416 - Business Financial Problems**

Credit Hours: 3.000

Emphasis on financial decision-making within the firm using case studies as the primary activity. Topics include financial goals and strategy, financial analysis and forecasting, capital budgeting, capital structure decisions, dividend policy, and firm valuation.

Prerequisites:

BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: T

### **BUS 418 - Leadership Strategies**

Credit Hours: 3.000

This course presents contemporary theories and approaches to leadership practices in modern organizations. Students learn how effective leadership can assist in the creation of a strong organizational culture and the implications external forces have on individual leadership development and continued growth.

Prerequisites:

- BUS 361 Minimum Grade: C-
- OR BUS 361 Minimum Grade: T
- OR BUS 361 Minimum Grade: C-

**BUS 419 - Organizational Change/Develop**

Credit Hours: 3.000

The study of planned and unplanned change in organizations to include diagnosis, planning, and implementation of organizational change initiatives. Emphasis is on teamwork within organizations and survey development.

Prerequisites:

- BUS 361 Minimum Grade: C-
- OR BUS 361 Minimum Grade: T

**BUS 426 - Money & Capital Markets**

Credit Hours: 3.000

Discussion of how financial markets are organized, their role in the allocation of funds to various market segments, and the interaction between financial markets. Topics include aggregate flow of funds analysis, an overview of financial markets, securities markets (money, bond, mortgage, stock, foreign exchange, derivative securities), as well as commercial banks, insurance and securities companies, mutual and pension funds markets. This course also covers financial markets risks and regulations.

Prerequisites:

- BUS 363 Minimum Grade: C-
- OR BUS 363 Minimum Grade: T

**BUS 427 - Financial Risk Management**

Credit Hours: 3.000

An introduction to financial risks including business risk, operational risk and legal risk. Topics include how to identify, measure, compute and manage financial risks. The focus will be on tools and methods for identifying sources of risk and risk factors for hedging, implementing market risk/value at risk (VaR) methods, economic capital and risk adjusted return on assets (RAROC), asset backed securities (ABSs) and collateralized debt obligations (CDOs).

Prerequisites:

- BUS 363 Minimum Grade: C-
- OR BUS 363 Minimum Grade: T

**BUS 428 - Portfolio Management**

Credit Hours: 3.000

An advanced understanding of key issues in the management of portfolios of securities. Specific items to be learned are capital asset pricing model, arbitrage pricing theory, pricing bonds and assessing their price volatility, managing bond portfolios, equity valuation models, efficient market theory, technical and fundamental analysis, active portfolio management, international investing, and investments in equity options and financial futures.

Prerequisites:

- BUS 373 Minimum Grade: C-
- OR BUS 373 Minimum Grade: T

**BUS 429 - Honor Seminar in Finance**

Credit Hours: 3.000

The course will provide an in-depth study and analysis of contemporary developments and topics of interest in finance. The topics and format will vary and may include financial management, financial institutions, financial markets, financial ethics, international finance and financial economics. The case method is the primary instructional tool.

Prerequisites:

- ( BUS 363 Minimum Grade: C-
- AND BUS 373 Minimum Grade: C-
- AND BUS 416 Minimum Grade: C- )
- OR ( BUS 363 Minimum Grade: T
- AND BUS 373 Minimum Grade: T
- AND BUS 416 Minimum Grade: T )

**BUS 430 - Production & Operations Mgmt**

Credit Hours: 3.000

Application of managerial decision making and quantitative analysis techniques. Covers forecasting, inventory models, utilization profiles, bottleneck analysis, wait time analysis, and revenue management models. Focus on the Toyota Production System and lean production by conduction process analysis and capacity planning, design of work systems, location planning, quality control, scheduling, and project management

Prerequisites:

- ( BUS 318 Minimum Grade: C-
- AND MATH 104 Minimum Grade: C- )
- OR ( BUS 318 Minimum Grade: T
- AND MATH 104 Minimum Grade: T )

**BUS 431 - Tech Analysis of Stock Trends**

Credit Hours: 3.000

Advanced studies in technical market analysis and trading, money management, investor psychology and analysis elements are considered. The Focus will be on the study of price action in trading markets, patterns and trends, price behavior of financial securities, trading tactics, and construction of a trading or investment model. The course will help students prepare for the Chartered Market Technician (CMT) designation.

Prerequisites:

- BUS 373 Minimum Grade: C-
- OR BUS 373 Minimum Grade: T

**BUS 432 - Srs 7 Gen Securities Ex Review**

Credit Hours: 3.000

The Series 7 License Exam Review course is designed to prepare the student to take the National Association of Securities Dealers General Securities Representative Exam. After passing the Series 7 License exam the

candidate can be licensed to sell various types of securities.

Prerequisites:

BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: T  
AND ( BUS 373 Minimum Grade: C-  
OR BUS 373 Minimum Grade: T )

### **BUS 441 - International Marketing**

Credit Hours: 3.000

Analysis of opportunities, distinctive characteristics, and emerging trends in foreign markets, including exploration of alternative methods and strategies for entering foreign markets; organizational planning and control; impact of social, cultural, economic, and political differences; and problems of adapting American marketing concepts and methods. This is accomplished through real life planning and implementation of an international marketing plan designed to market a product or service in a foreign country or countries

Prerequisites:

BUS 304 Minimum Grade: C-  
OR BUS 304 Minimum Grade: T  
OR BUS 304 Minimum Grade: C-

### **BUS 448 - Interactive/Social Media Mktng**

Credit Hours: 3.000

This course focuses on relationship marketing, interactive marketing, integration of consumer data, Internet marketing (E-commerce), media advertising, catalogs, mailing lists, telemarketing, and the use of direct marketing techniques to replace or enhance the traditional marketing methods of retail and direct sales.

Prerequisites:

BUS 304 Minimum Grade: C-  
OR BUS 304 Minimum Grade: T

### **BUS 449 - Marketing in the 21st Century**

Credit Hours: 3.000

This course provides the practical tools and strategies required to successfully leverage social networks, capitalize on their powerful word-of-mouth lift, and how to measure these interactive marketing efforts. These tools will be used on an actual social media marketing campaign for a business or non-profit entity. Current and future marketing tools will be discussed and evaluated.

Prerequisites:

( BUS 304 Minimum Grade: C-  
AND BUS 448 Minimum Grade: C- )  
OR ( BUS 304 Minimum Grade: T  
AND BUS 448 Minimum Grade: T )

### **BUS 454 - Market Research & Information**

Credit Hours: 3.000

Study of the theory and methods used in marketing research to address marketing problems. May include the completion of a research project where students learn by performing a research project from problem formulation

to writing a research report. Also prepares the students for evaluating research performed by others.

Prerequisites:

( BUS 304 Minimum Grade: C-  
AND BUS 318 Minimum Grade: C- )  
OR ( BUS 304 Minimum Grade: T  
AND BUS 318 Minimum Grade: T )  
OR ( BUS 304 Minimum Grade: C-  
AND BUS 318 Minimum Grade: C- )

### **BUS 455 - Entity Taxation**

Credit Hours: 4.000

Business 455 concentrates on the federal income tax consequences of the formation, normal operation, and the dissolution of corporations, partnerships, and fiduciaries. Other taxation problems of special interest may be covered.

Prerequisites:

BUS 208 Minimum Grade: C-  
OR BUS 208 Minimum Grade: T

### **BUS 460 - Marketing Management**

Credit Hours: 3.000

Twelve hours of marketing courses and senior status required. Capstone course in marketing. Study of the problems faced by marketing managers as they make decisions and develop policies.

Prerequisites:

BUS 454 Minimum Grade: C-  
OR BUS 454 Minimum Grade: T  
OR BUS 454 Minimum Grade: C-

### **BUS 465 - Est Gft & Fiduc Tax Law**

Credit Hours: 3.000

This course will address the fundamentals of Estate, Gift, and Fiduciary tax law. Topics will include Federal Gift Tax, death transfer tax laws, and fundamentals and reporting returns for estates.

Prerequisites:

BUS 455 Minimum Grade: C-  
OR BUS 455 Minimum Grade: T

### **BUS 466 - Bus Ethics Decision Making**

Credit Hours: 3.000

This course explores various ethical issues facing business leaders in modern society. Students will utilize current issues to analyze ethical dilemmas and decision-making processes common to modern organizations. Emphasizes critical thinking, critical reading, and the importance of professional ethics.

Prerequisites:

BUS 361 Minimum Grade: C-  
OR BUS 361 Minimum Grade: T  
OR BUS 361 Minimum Grade: C-

### **BUS 467 - Creativity and Innovation**

Credit Hours: 3.000

Course objectives are to develop skills in generating new and original ideas, increase ability to convert ideas into action and success, and increase knowledge and skill in

creative problem solving as applied to business scenarios.

Prerequisites:

BUS 361 Minimum Grade: C-

**BUS 468 - New Business Venturing**

Credit Hours: 3.000

This course introduces students to starting and operating a business. Students will be exposed to how business interacts with government, financial institutions, and society. This course will examine and study the process, challenges, risks, and rewards of starting up a new business. The student will be equipped with tools required to start their own business.

Prerequisites:

BUS 365 Minimum Grade: C-

**BUS 478 - Agricultural Marketing**

Credit Hours: 3.000

An overview of current marketing methods used for agricultural products and services, including value added marketing.

Prerequisites:

( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND BUS 304 Minimum Grade: C-  
AND BUS 318 Minimum Grade: C- )  
OR ( BUS 103 Minimum Grade: T  
AND BUS 105 Minimum Grade: T  
AND BUS 304 Minimum Grade: T  
AND BUS 318 Minimum Grade: T )  
OR ( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND BUS 304 Minimum Grade: C-  
AND BUS 318 Minimum Grade: C- )

**BUS 479 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**BUS 480 - Global Business Strategies**

Credit Hours: 3.000

Senior status required. Designed to help students understand planning activities, determination of alternatives, policy formulation, execution of plans and development of corporate company strategy as currently used by business enterprises. Involves extensive case study.

Prerequisites:

( BUS 207 Minimum Grade: C-  
OR BUS 207 Minimum Grade: C-  
OR BUS 207 Minimum Grade: T )  
AND ( BUS 208 Minimum Grade: C-  
OR BUS 208 Minimum Grade: T  
OR BUS 208 Minimum Grade: C- )  
AND ( BUS 304 Minimum Grade: T  
OR BUS 304 Minimum Grade: C-  
OR BUS 304 Minimum Grade: C- )

AND ( BUS 361 Minimum Grade: T  
OR BUS 361 Minimum Grade: C-  
OR BUS 361 Minimum Grade: C- )  
AND ( BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: C-  
OR BUS 363 Minimum Grade: T )  
AND ( ECON 255 Minimum Grade: C-  
OR ECON 255 Minimum Grade: C-  
OR ECON 255 Minimum Grade: T )  
AND ( ECON 256 Minimum Grade: C-  
OR ECON 256 Minimum Grade: T )

**BUS 481 - Business Internship II**

Credit Hours: 1.000 TO 3.000

Senior standing and approval of the Department Chair required. The internships are planned, meaningful work experiences that are academic in nature. Supervision consists of a site supervisor who is a qualified professional in the business or organization where the internship is arranged and a faculty sponsor who is a full-time professor in the School of Business, usually from the student's major. The site supervisor evaluates the work performed by the student on the job. The faculty sponsor is responsible for maintenance of academic quality and assigns the course grade ( 30 contact hours=1 credit hour).

**BUS 488 - Ag Policy and Farm Bill**

Credit Hours: 3.000

Development and implementation of public policy in agriculture, implications of international competition and trade, and development and interpretation of argument in policy development.

Prerequisites:

( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND BUS 318 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C- )  
OR ( BUS 103 Minimum Grade: T  
AND BUS 105 Minimum Grade: T  
AND BUS 318 Minimum Grade: T  
AND ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T )  
OR ( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND BUS 318 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C- )

**BUS 492 - Workshops**

Credit Hours: 0.500 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 498 - World Food Distrib/Ag Economics**

Credit Hours: 3.000

Knowledge and application of economic concepts to the sectors of agriculture including microeconomic and macroeconomic relationships, world markets, and trade.

Prerequisites:

( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C- )  
OR ( BUS 103 Minimum Grade: T  
AND BUS 105 Minimum Grade: T  
AND ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T )  
OR ( BUS 103 Minimum Grade: C-  
AND BUS 105 Minimum Grade: C-  
AND ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C- )

### **BUS 499 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **BUS 500 - Leadership Skills for Managers**

Credit Hours: 3.000

This course teaches practical skills required for effective management at all levels of an organization, and is designed to increase a learner's understanding of key concepts and procedural guidelines related to organizational management, human resource, and leadership. The purpose is to be equipped to deal effectively with managerial challenges dealing with people.

### **BUS 505 - Creating Consumer Value**

Credit Hours: 3.000

This course presents learners with a comprehensive approach to creating consumer value. This includes marketing and brand management in for-profit firms as well as identifying and meeting consumer needs in non-profit and governmental organizations. Topics include segmentation and targeting of consumers; the positioning levers of product, price, promotion, and distribution; and brand management.

### **BUS 510 - Global Business Perspectives**

Credit Hours: 3.000

This course deals with management of organizations that operate, directly and indirectly, in more than one country. While the major focus will be the multi-national corporation, management of smaller firms, which only export, will also be considered. The primary emphasis will be on the special management problems, which are unique to multi-national operations.

### **BUS 513 - Mthds of Teaching Business Ed**

Credit Hours: 3.000

Topics include high school business curriculum, high school business student organizations, distributive education, cooperative office education, vocation

certification, business textbook catalogs, equipment and classroom techniques using learning styles and multimedia methods.

### **BUS 515 - Managerial Statistics**

Credit Hours: 3.000

This course introduces the concepts and skills involved in understanding and analyzing research in a variety of areas. The course provides an overview of basic, general knowledge of various research methodologies. This course also enhances students' abilities to locate, read, comprehend, and critically analyze research articles and reports.

### **BUS 520 - Managerial Accounting**

Credit Hours: 3.000

This course provides a review of financial reporting standards and statements and analysis of those financial statements. Managerial accounting principles will be explored as well as budgeting, cost allocation, accumulation, cost behavior, and relevant costs; revenues are approached from a managers' perspective. Prerequisite: undergraduate accounting course with a grade of C or higher.

### **BUS 525 - Financial Analysis**

Credit Hours: 3.000

Students will embark on studying basic financial principles and enhance that with understanding various valuation concepts and methods. Emphasis is also placed on capital budgeting and long term financing as well as working capital management. The course will blend time-tested finance principles and the latest advancements with the practical perspectives of the financial manager. Prerequisite: undergraduate accounting course with a grade of C or higher.

Prerequisites:

BUS 520 Minimum Grade: C

### **BUS 531 - Multinational Financial Mgmt**

Credit Hours: 3.000

Multinational Financial Management course has two emphases: one on the basics and the other on a managerial perspective. As international capital markets of the world become more integrated, an understanding of international financial management has become important for U.S. corporate decision making. This course provides students with groundwork for analysis that will serve them well in their future careers. The decision-making process in this course will teach students how to make knowledgeable managerial decisions in an ever changing global financial setting.

Prerequisites:

BUS 525 Minimum Grade: B-

### **BUS 532 - Portfolio Mgmt & Investm Anly**

Credit Hours: 3.000

The unifying theme of this course is that security markets are almost efficient, meaning that most securities are priced appropriately given their risk and

return attributes The course is a blend of practical and theoretical coverage combines with a complete digital solution to focus on making investment decisions from the perspective of the portfolio manager. This course also covers the Series 7 License and is designed to prepare the student for taking the National Association of Securities Dealers General Securities Representative Exam.

Prerequisites:

BUS 525 Minimum Grade: B-

### **BUS 533 - Financial Mkts & Institutions**

Credit Hours: 3.000

This course is a great reflection of the latest developments from the field of financial markets. It helps students understand why financial markets exist, how financial institutions serve these markets, and what services those institutions offer. The course also focuses on the management, performance, and regulatory aspects of financial institutions and explores the functions of the Federal Reserve System, as well as the major debt and equity security markets, and derivative security market.

Prerequisites:

BUS 525 Minimum Grade: B-

BUS 534 - Finance Capstone

Credit Hours: 3.000

This course uses a case study approach to solve complicated corporate problems and links managerial decisions to capital markets and the expectations of investors. Students will gain a deeper understanding of financial issues that they encounter in their professional career. At the core of the cases is a valuation task that requires students to look to financial markets for guidance in resolving the case problem. The focus on value helps the students understand the impact of the firm on the world around it.

Prerequisites:

BUS 525 Minimum Grade: B-

AND BUS 531 Minimum Grade: B-

AND BUS 532 Minimum Grade: B-

AND BUS 533 Minimum Grade: B-

### **BUS 540 - Strategy**

Credit Hours: 3.000

In this course, learners examine tools and techniques for competitive analysis, strategic planning, and strategy implementation. Learners gain knowledge of the tools and concepts needed to develop a business strategy including macro environmental scanning, industry and competitive analysis, value chain analysis, SWOT analysis, identification of critical success factors and driving forces, and development of strategic alternatives and recommendations.

### **BUS 545 - Leading Entrepreneurial Orgs**

Credit Hours: 3.000

Successful organizations emphasize learning to sustain their competitive advantage. This course will study

entrepreneurship and intrapreneurship. Areas of emphasis include uncovering the methodologies and characteristics that foster innovations and achieve meaningful change in business that leads to the creation and implementation of profitable business opportunities.

### **BUS 550 - Technology and Innovation**

Credit Hours: 3.000

This course adopts the perspective of a general manager - an individual charged with diagnosing complex situations and resolving them in ways that enhance organizational performance. The course emphasizes how general management decisions may contribute to the creation and appropriation of economic value through innovation.

### **BUS 555 - Leading for Results**

Credit Hours: 3.000

This course focuses on how leaders mobilize others within their organization to get extraordinary things done. You will analyze what characteristics you need to develop to achieve your own professional goals and reflect on ways you can develop your competencies as a leader.

### **BUS 560 - Leadership Capstone**

Credit Hours: 3.000

This capstone course integrates knowledge gained in the previous graduate business courses. It centers on the theme that organizations achieve sustained success when their managers have astute, timely, strategic game plans, and they implement these plans with proficiency. This class incorporates the "big picture" and cuts across the whole spectrum of business and leadership.

### **BUS 564 - Accounting Ethics**

Credit Hours: 3.000

This course develops the ethical analysis beyond philosophy ethics courses and beyond business ethics courses. Students must have an undergraduate accounting degree, or consent of the instructor prior to registering for this course.

### **BUS 565 - Advanced Audit**

Credit Hours: 3.000

This course is designed to enhance students' understanding of the fundamental audit concepts, application of audit standards to cases, ethical issues faced by auditors, and analytical review procedures. Students must have an undergraduate accounting degree, or consent of the instructor prior to registering in this course.

Prerequisites:

BUS 490 Minimum Grade: C

OR BUS 490 Minimum Grade: T

### **BUS 570 - Forensic/Investigative Acctng**

Credit Hours: 3.000

This course is to develop the core foundation of knowledge skills and abilities that are necessary to prepare students to be able to recognize the patterns and



circumstances surrounding fraud and forensic accounting matters. Students must have an undergraduate accounting degree, or consent of the instructor prior to registering for this class.

**BUS 575 - International Accounting**

Credit Hours: 3.000

This course is to familiarize students with the International Financial Accounting Standards. IFRS, including discussions regarding the differences in financial reporting, taxation, and other accounting practices that exist across countries. Students must have an undergraduate accounting degree, or consent of instructor prior to registering for this course.

**BUS 579 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**BUS 580 - Public / Nonprofit Management**

Credit Hours: 3.000

This course is designed to examine public and nonprofit management. This type of management is driven by mission and/or executive/legislative direction. Students will learn both the theory and practice of public and nonprofit management, using the concept case method and service learning opportunities.

**BUS 585 - Public Budgeting and Finance**

Credit Hours: 3.000

The course is designed to provide the student with an understanding of the primary financial management issues and decisions that confront senior management in the nonprofit and the public sectors. Students will gain an understanding and examine financial analysis techniques from both a practical and strategic perspective for operating and capital decisions.

**BUS 590 - Policy Analysis**

Credit Hours: 3.000

This course introduces the study of public policy and analysis. It provides an overview of key policy areas and examines three aspects of public policy study: (a) government institutions and the policy making process, (b) the concepts and methods of policy analysis, and (c) the role of policy analysis in clarifying public problems and helping citizens and policymakers choose from among policy alternatives.

**BUS 592 - Workshops**

Credit Hours: 0.330 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 595 - Public Administration Capstone**

Credit Hours: 3.000

The Capstone Course offers each student the opportunity to demonstrate mastery of the theory and practice of public administration by applying the knowledge and skills gained in the MBA-PA program. This involves

completing a portfolio project reflecting the cumulative knowledge gained from these experiences.

**BUS 599 - Individual Studies**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**CHEM 103 - Intro to Forensic Chem-GT-SC1**

Credit Hours: 4.000

This course serves as an introduction to chemistry using a forensics perspective and is specifically designed for the non-science major. The course is three credits of lecture and has an accompanying one credit of laboratory that count towards general education credit. Does not count towards a major or minor in chemistry.

Prerequisites:

A02 - Minimum Score: 19

OR ACMA - Minimum Score: 085

OR MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: T

OR MATH 099 Minimum Grade: S

OR MATH 104 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 099 Minimum Grade: T

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 104 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

Corequisites:

CHEM 103L

**CHEM 103L - Intro to Forensic Chem Lab**

Credit Hours: 0.000

Required companion laboratory to CHEM 103.

Corequisites:

CHEM 103

**CHEM 105 - Intro to Gen, Org, & Bio Chem**

Credit Hours: 4.000

A study of the fundamental concepts of general, organic, and biological chemistry. The course is satisfactory for pre-nursing students who take only one semester of chemistry. It will not satisfy the requirements for a chemistry major or chemistry minor. It is not suitable for the pre-professional programs such as pre-medical, pre-dental, pre-veterinarian, or for medical technology. Four lectures per week.

Prerequisites:

A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ALEK - Minimum Score: 030

OR ACMA - Minimum Score: 085

OR MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: T  
OR MATH 099 Minimum Grade: S  
OR MATH 099 Minimum Grade: T  
OR MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: T  
OR MATH 104 Minimum Grade: C-  
OR MATH 104 Minimum Grade: T  
OR MATH 107 Minimum Grade: C-  
OR MATH 107 Minimum Grade: T  
OR MATH 120 Minimum Grade: C-  
OR MATH 120 Minimum Grade: T

Corequisites:

CHEM 105L

**CHEM 105L - Intro to Gen, Org, & Bio Chem**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 105.

Corequisites:

CHEM 105

**CHEM 111 - Introductory Chemistry GT-SC1**

Credit Hours: 4.000

A study of the fundamental concepts of chemistry. The course is satisfactory for nursing students, for biology majors who take only one year of chemistry, for HPPE advanced track, and for students preparing to take CHEM 131. It will not satisfy the requirements for a chemistry major or minor. It is suitable for the pre-professional programs such as pre-med, pre-dental, pre-vet or medical technology.

Prerequisites:

A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ACMA - Minimum Score: 085

OR ALEK - Minimum Score: 030

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: S-A

OR MATH 099 Minimum Grade: S-B

OR MATH 099 Minimum Grade: S-C

OR MATH 106 Minimum Grade: C-

OR MATH 120 Minimum Grade: C-

OR MATH 104 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

OR MATH 120 Minimum Grade: T

OR MATH 104 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 099 Minimum Grade: T

Corequisites:

CHEM 111L

**CHEM 111L - Introductory Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 111.

Corequisites:

CHEM 111

**CHEM 112 - Intro Organic/Biological Chem**

Credit Hours: 4.000

A study of the fundamental concepts of organic chemistry and biochemistry. Will not satisfy requirements for a chemistry major, minor or pre-professional studies (pre-med etc.) The course is satisfactory for biology majors who take only one year of chemistry, and for HPPE advanced track.

Prerequisites:

( CHEM 111 Minimum Grade: C-

OR CHEM 131 Minimum Grade: C-

AND CHEM 132 Minimum Grade: C- )

OR ( CHEM 111 Minimum Grade: T

OR CHEM 131 Minimum Grade: T

AND CHEM 132 Minimum Grade: T )

Corequisites:

CHEM 112L

**CHEM 112L - Intro Organic/Biol Chem Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 112.

Corequisites:

CHEM 112

**CHEM 131 - General Chemistry GT-SC1**

Credit Hours: 4.000

A study of the principles and applications of chemistry suitable for science majors who plan additional course work in biology, chemistry, geology, physics, or mathematics. Organic chemistry is briefly included. The laboratory work consists of learning basic techniques and studying chemical and physical principles discussed in the lecture. This course is designed for students who have had high school chemistry, although is not a prerequisite.

Prerequisites:

A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ACMA - Minimum Score: 085

OR ALEK - Minimum Score: 030

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: T

OR MATH 101 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 104 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 120 Minimum Grade: C-

OR MATH 104 Minimum Grade: T

OR MATH 101 Minimum Grade: T

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: T

Corequisites:

CHEM 131L

**CHEM 131L - General Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 131.

Corequisites:

CHEM 131

**CHEM 132 - General Chemistry GT-SC1**

Credit Hours: 4.000

A continuation of CHEM 131. This course is designed for students who have had high school chemistry, although it is not a prerequisite.

Prerequisites:

CHEM 131 Minimum Grade: C-

OR CHEM 131 Minimum Grade: T

Corequisites:

CHEM 132L

**CHEM 132L - General Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 132.

Corequisites:

CHEM 132

**CHEM 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**CHEM 192 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 199 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CHEM 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**CHEM 292 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 299 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

**CHEM 321 - Organic Chemistry**

Credit Hours: 4.000

A study of the relationship between structure and reactivity of carbon-containing compounds.

Prerequisites:

CHEM 132 Minimum Grade: C-

OR CHEM 132 Minimum Grade: T

Corequisites:

CHEM 321L

**CHEM 321L - Organic Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 321. Laboratory time will be divided among techniques, preparation, and mechanistic studies.

Corequisites:

CHEM 321

**CHEM 322 - Organic Chemistry**

Credit Hours: 4.000

A continuation of CHEM 321.

Prerequisites:

CHEM 321 Minimum Grade: C-

OR CHEM 321 Minimum Grade: T

Corequisites:

CHEM 322L

**CHEM 322L - Organic Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 322. Laboratory time will be divided among mechanistic studies, preparation, introductory qualitative analysis, and independent project work.

Corequisites:

CHEM 322

**CHEM 331 - Analytical Chemistry**

Credit Hours: 3.000

The theory and application of classical and instrumental quantitative analysis with additional emphasis on the fate and analysis of chemicals in the environment.

Prerequisites:

( CHEM 132 Minimum Grade: C-

OR CHEM 132 Minimum Grade: T )

AND ( MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: C-

OR MATH 120 Minimum Grade: T )

Corequisites:

CHEM 331L

**CHEM 331L - Analytical Chemistry Lab**

Credit Hours: 2.000

Required companion laboratory to be taken concurrently with CHEM 331

Corequisites:

CHEM 331

**CHEM 332 - Analytical Chemistry**

Credit Hours: 3.000

A continuation of CHEM 331 with additional coverage of chemical equilibria and electrochemistry.

Prerequisites:

CHEM 331 Minimum Grade: D

OR CHEM 331 Minimum Grade: T

Corequisites:

CHEM 332L

**CHEM 332L - Analytical Chemistry Lab**

Credit Hours: 2.000

Required companion laboratory to be taken concurrently with CHEM 332.

Corequisites:

CHEM 332

**CHEM 334 - Environmental Chemistry**

Credit Hours: 3.000

This course is designed to introduce the student to a series of topics including stratospheric chemistry, air pollution, global warming, climate change, renewable energy, pesticides, water pollution, and heavy metal pollution.

Prerequisites:

CHEM 331 Minimum Grade: C-

OR CHEM 331 Minimum Grade: T

Corequisites:

CHEM 334L

**CHEM 334L - Environmental Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 334.

Corequisites:

CHEM 334

**CHEM 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**CHEM 392 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 399 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CHEM 401 - Biochemistry**

Credit Hours: 3.000

A study of structural biochemistry. Course begins with a review of water, the lipophilic environment, noncovalent bonding, and bioenergetics. Topics include amino acids, peptides, proteins, nucleic acids, carbohydrates, and lipids. Enzymes are discussed with emphasis on mechanism and kinetics.

Prerequisites:

CHEM 322 Minimum Grade: C-

OR CHEM 322 Minimum Grade: T

Corequisites:

CHEM 401L

**CHEM 401L - Biochemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 401. Laboratory time will be spent learning protein purification techniques and doing independent project work.

Corequisites:

CHEM 401

**CHEM 402 - Biochemistry II**

Credit Hours: 3.000

A study of biochemical metabolism. Topics include catabolism, anabolism, and metabolic control. Three hours of lecture per week.

Prerequisites:

CHEM 401 Minimum Grade: C-

OR CHEM 401 Minimum Grade: T

**CHEM 424 - Advanced Organic Chemistry**

Credit Hours: 3.000

A third semester course in organic chemistry, designed for students who wish to gain a better background in the subject. Topics include bioorganic chemistry, pericyclic reaction, and natural products synthesis. Offered in spring semesters upon sufficient demand. Three hours of lecture per week.

Prerequisites:

CHEM 322 Minimum Grade: C-

OR CHEM 322 Minimum Grade: T

**CHEM 431 - Phys Chem Lec/Thermodynamics**

Credit Hours: 3.000

Thermodynamics as applied to chemistry and physics. Specific topics include the laws of thermodynamics, thermochemistry, reaction and phase equilibrium, solutions, and electrochemistry. An introduction to chemical kinetics is included.

Prerequisites:

( CHEM 132 Minimum Grade: C-

OR CHEM 132 Minimum Grade: T )

AND ( MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T )

AND ( ( ( PHYS 225 Minimum Grade: C-

OR PHYS 225 Minimum Grade: T )

AND ( PHYS 226 Minimum Grade: C-

OR PHYS 226 Minimum Grade: T )

)

OR ( ( PHYS 230 Minimum Grade: D

OR PHYS 230 Minimum Grade: T )

AND ( PHYS 231 Minimum Grade: D

OR PHYS 231 Minimum Grade: T )

AND ( PHYS 232 Minimum Grade: D

OR PHYS 232 Minimum Grade: T )

AND ( PHYS 233 Minimum Grade: D

OR PHYS 233 Minimum Grade: T )

)

)

Corequisites:

CHEM 433

**CHEM 432 - Phys Chem Lec/Quantum Mechanic**

Credit Hours: 3.000

Quantum mechanics with applications to atomic structure, bonding, solid state, and spectroscopy. An introduction to kinetic molecular theory of gas, transport properties, and statistical mechanics is included.

Prerequisites:

( CHEM 132 Minimum Grade: C-  
OR CHEM 132 Minimum Grade: T )  
AND ( MATH 121 Minimum Grade: C-  
OR MATH 121 Minimum Grade: T )  
AND ( ( ( PHYS 225 Minimum Grade: C-  
OR PHYS 225 Minimum Grade: T )  
AND ( PHYS 226 Minimum Grade: C-  
OR PHYS 226 Minimum Grade: T )  
)  
OR ( ( PHYS 230 Minimum Grade: D  
OR PHYS 230 Minimum Grade: T )  
AND ( PHYS 231 Minimum Grade: D  
OR PHYS 231 Minimum Grade: T )  
AND ( PHYS 232 Minimum Grade: D  
OR PHYS 232 Minimum Grade: T )  
AND ( PHYS 233 Minimum Grade: D  
OR PHYS 233 Minimum Grade: T )  
)  
)

### **CHEM 433 - Physical Chemistry Laboratory**

Credit Hours: 2.000

The principles of physical chemistry applied in the laboratory.

Prerequisites:

CHEM 431 Minimum Grade: D  
OR CHEM 431 Minimum Grade: T

Corequisites:

CHEM 431

### **CHEM 434 - Physical Chemistry Laboratory**

Credit Hours: 2.000

The principles of physical chemistry applied in the laboratory. CHEM 434 includes an independent project.

Prerequisites:

CHEM 431 Minimum Grade: D  
OR CHEM 431 Minimum Grade: T

Corequisites:

CHEM 432

### **CHEM 445 - Polymer Chemistry**

Credit Hours: 3.000

Introduction to the chemistry of organic, inorganic, and bio-polymers, with an emphasis on synthesis, mechanism, and reaction kinetics. Modern methods of polymer characterization are also covered. Offered upon sufficient demand.

Prerequisites:

( CHEM 322 Minimum Grade: C-  
AND CHEM 431 Minimum Grade: D )  
OR ( CHEM 322 Minimum Grade: T  
AND CHEM 431 Minimum Grade: T )

### **CHEM 461 - Inorganic Chemistry**

Credit Hours: 3.000

Theoretical aspects of inorganic chemistry based upon periodic relationships, symmetry, structure bonding, and reactivities. Offered fall semesters of odd-numbered years.

Prerequisites:

( CHEM 321 Minimum Grade: C-  
AND CHEM 322 Minimum Grade: C- )  
OR ( CHEM 331 Minimum Grade: C-  
AND CHEM 332 Minimum Grade: C- )  
OR ( CHEM 321 Minimum Grade: T  
AND CHEM 322 Minimum Grade: T )  
OR ( CHEM 331 Minimum Grade: T  
AND CHEM 332 Minimum Grade: T )

Corequisites:

CHEM 461L

### **CHEM 461L - Inorganic Chemistry Lab**

Credit Hours: 1.000

Required companion laboratory to be taken concurrently with CHEM 461. Practices of inorganic chemistry in the laboratory including synthesis and characterization of compounds.

Corequisites:

CHEM 461

### **CHEM 471 - Chemistry Seminar**

Credit Hours: 1.000

Capstone course intended for senior chemistry majors consisting of seminars presented by guest speakers, staff, and students; an assessment exam for seniors; and job placement information. Prerequisite: Completion of sufficient degree requirements to be within three semesters of graduating with a chemistry major.

### **CHEM 472 - Chemistry Seminar Continuation**

Credit Hours: 1.000

A continuation of CHEM 471.

Prerequisites:

CHEM 471 Minimum Grade: C-  
OR CHEM 471 Minimum Grade: T

### **CHEM 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **CHEM 490 - Research in Chemistry**

Credit Hours: 1.000 TO 3.000

Independent investigation in the field of chemistry offered to superior students upon arrangement with the instructor.

### **CHEM 492 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **CHEM 499 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CHEM 579 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**CHEM 590 - Research in Chemistry**

Credit Hours: 1.000 TO 3.000

Independent investigation in the field of chemistry offered to superior students upon arrangement with the instructor.

**CHEM 592 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 599 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**CLD 401 - Intro to the Study of Language**

Credit Hours: 3.000

This course provides prospective teachers with an overview of the study of language and how it works. It is an introduction to the scientific study of language and linguistics. The course provides for examination of relevant theories of language and how language is acquired as well as cognitive, societal and cultural considerations affecting its use. Specific topics to be examined include: the structure of languages, grammatical constructs (e.g., morphology, syntax, semantics, phonetics, phonology, and discourse), the interactions between language use and social structures, and the representation of language in the brain.

Instructional applications will be considered. The course presupposes no formal study or knowledge of language/ linguistics.

Prerequisites:

BKCK - Minimum Score: 1

**CLD 402 - Language and Culture**

Credit Hours: 3.000

This course explores the peculiar relationship between language and the cultural total of which the language is a part, including the connection between cultural identity and heritage language. It examines language variations within a community according to gender, age, geography, ethnicity, socioeconomic class and level of education. Specifically, the course deals with the linguistic factors characterizing differences in language and with the social and social-psychological variables associated with these differences. Attention is given to the different varieties of language within a speech community (e.g., dialect, register, and style) and the societal and cultural factors that define their use. Course

content considers the educational, political and economic implications. The course presupposes no formal study or knowledge of language/ linguistics. Accordingly, the course focuses on the different ways people speak. It deals with the linguistic factors characterizing differences in language and with the social and social-psychological variables associated with these differences. Thus, having completed the course, students should (a) be aware of the different linguistic choices available to speakers in different social/ cultural contexts, (b) have an understanding of the factors which influence the choosing of one variety over another and the societal implications of such choices, (c) gain an appreciation for language diversity and cultural pluralism and, for those in teacher education programs, and, for education majors, (d) be able to demonstrate ability to identify and adapt instructional applications that are responsive to learners from different cultural backgrounds.

Prerequisites:

BKCK - Minimum Score: 1

**CLD 403 - Second Language Acquisition**

Credit Hours: 3.000

Introduction to second language acquisition (SLA) theory and the application of SLA theory to second/foreign language teaching practices. Explores what it means to know a language and, hence, how one learns/ acquires a second language. The emphasis in the course is to provide an opportunity to become familiar with up-to-date major theories of language acquisition (e.g., linguistic, psychological, sociological, etc.). That is, what happens in the mind of L1 learners and expand to 2L learners. This is not a methodology course, though certain methods and approaches will be discussed as they are direct applications of 2L theories. Instead, students will be exposed to what research data show about the complex process of learning a second language, and to teach them how to rely on these data to understand a number of major models (theories) of 2LL and, as a result, be able to use this knowledge to evaluate different methods, materials and assessments for 2LL/CLD populations. The course presupposes no formal study or knowledge of language/ linguistics. As part of the course content, we will seek to foster cultural sensitivity to the diverse student population becoming increasingly prevalent in classrooms in the U.S. We will also be concerned with providing the basic skills needed to satisfactorily assess the suitability of diverse 2LL methodologies & programs to meet the needs of limited English proficiency (LEP) students. An underlying assumption of the course is that learning is a social process that takes place within the broader social milieu of the learner's speech community. Accordingly, 2L learners bring into the classroom diverse language and cultural backgrounds, as well as a unique set of

competencies, skills, sensitivities, goals, and needs. In order to provide for a successful learning environment, teachers must be able to identify and relate to the diversity inherent in today's student population and be able to take affirmative steps towards addressing the needs of the students in their classrooms. Course content and activities will assist participants in developing a greater appreciation of democracy and diversity in the classroom as we prepare for a global society as reflected in current theories of 2L acquisition.

Prerequisites:

BKCK - Minimum Score: 1

### **CLD 404 - TESOL Methods**

Credit Hours: 3.000

This course introduces students to the study, philosophy, aims and methods of teaching English as a second (or foreign language) with an emphasis upon the techniques and materials in current use. It aims at providing for examination of current theory and empirical data on language learning, as well as for scrutinizing pertinent pedagogical implications/ applications for the TESOL K-12/ CLD classroom intended to address the language needs of non-native speakers of English. In addition, the course reviews research-based instructional methodologies applicable to teaching language through the content areas. The course considers the large 'storehouse' of information'; currently available on how to successfully tap into this knowledge in order to develop and implement sound methodological approaches which will assist SL/ CLD learners in becoming proficient in the target language and successful in the academic content areas. Content addresses teachers' need to rely on effective instructional approaches and strategies that promote a climate that is conducive to opportunities for active involvement in learning about language, academic content, about classmates, and about the whole world. The course examines a synthesis of current 2L theory that should serve as the basis for development, selection, and modification of suitable materials and methods that will predictably be conducive to successful learning in both the language and content area classroom.

Prerequisites:

BKCK - Minimum Score: 1

### **CLD 405 - TESOL Reading**

Credit Hours: 3.000

This course introduces students interested in questions of language acquisition to the theories and practices relating to learning to read in a second language or second dialect. Topics included are models for acquiring foreign language reading skills, teaching strategies for second language/dialect literacy, evaluating literacy skills, current research about acquisition of literacy skills, and political and social implications of second language/dialect literacy. The content addresses specifics

about teaching reading for ELL/ CLD populations in classrooms. Opportunity is provided for candidates to become familiar with resources and data on school populations. The main goal of this course is to assist practicing or prospective teachers to learn how to promote development or crucial reading skills among ELL students. The course seeks to reexamine the pedagogical issues central to the 2L reading classroom, to be able to select suitable materials, to develop appropriate reading activities, to identify valid assessment measures, and to plan effective reading lessons suitable for instruction of ESL/CLD students.

Prerequisites:

BKCK - Minimum Score: 1

### **CLD 406 - TESOL Writing**

Credit Hours: 3.000

This course introduces students interested in questions of language acquisition to the theories and practices of learning to write in a second language or second dialect. Topics included are 2L literacy development, writing theory, writing strategies, and 2L writers and rhetorical concerns. In addition, content examines teaching methodologies for second language/dialect literacy, assessment/evaluation of literacy skills, current research about acquisition of literacy skills, and political, cultural and social implications of ESL/ CLD literacy development. The main goal of this course is to assist practicing or prospective teachers to develop proficiency in promoting development of crucial 2L literacy/ writing skills among English Language Learners (ELLs). Content is responsive to the need to reexamine pedagogical issues central to the 2L writing classroom, and also be able to select suitable materials, to develop appropriate activities that address both second language literacy and content area knowledge, to identify valid assessment measures, to integrate technology into classrooms and to plan effective writing lessons suitable to the 2L classroom. Lastly, as part of the course content, we will seek to foster cultural sensitivity to the diverse student population becoming increasingly prevalent in classrooms in the U.S. We will also be concerned with providing the basic skills needed to satisfactorily assess the suitability of diverse 2LL methodologies & programs to meet the needs of limited English proficiency (LEP) students. An underlying assumption of the course is that learning is a social process that takes place within the broader social milieu of the learner's speech community. Accordingly, 2L learners bring into the classroom diverse language and cultural backgrounds, as well as a unique set of competencies, skills, sensitivities, goals, and needs. They may also bring with them different levels of L1 literacy skills. In order to provide for a successful learning environment, teachers must be able to identify and relate to the diversity inherent in today's student population and be

able to take ‘affirmative steps’ towards addressing the needs of the students in their classrooms. Course content and activities will assist participants in developing a greater ‘appreciation of democracy and diversity’ in the classroom as we prepare for a global society as reflected in current theories of 2L development for academic purposes.

Prerequisites:

BKCK - Minimum Score: 1

### **CLD 407 - TESOL Tests & Measurements**

Credit Hours: 3.000

This course examines language assessments in TESOL/CLD. Course contents is intended to provide a practical and comprehensive overview of the different phases and activities involved in developing and implementing sound, rational, and effective language assessment instruments and activities. The course recognizes the relevance of context, purposiveness, and realistic discourse in testing. Specifically, the initial segment of the course will emphasize an integrated approach to educating English language learners (ELL) students, which encompasses social, cognitive, academic as well as linguistic dimensions and how to better assess the language instruction needs of ESL/CLD students. The course will focus on the practical applications of fundamental assessment principles, as well as development and evaluation of teacher-generated instruments for placement and diagnosis. Content discusses various principles for guiding either practicing and prospective teachers through an assessment process mindful of standards-based instruction (e.g., dictation, cloze summary, oral interview, role-plays, portfolio assessment techniques) for teaching ESL/CLD students at various levels. Specific topics addressed include, 1. Innovative means of assessing reading ability, 2. Standards and performance outcomes, 3. Evaluating writing & reading, 4. Computers in assessment, as well as computer-based tests, 5. Interpretation of summative assessments of content knowledge, 6. Administration and interpretation of the results of summative assessments of English language proficiency, 7. Development, administration and interpretation of the results of formative assessments, 8. Theoretical and practical foundations of assessment for CLD populations, 9. Practices and approaches to testing that is responsive to varied measurement contexts, 10. Evaluation of reliability and validity of measures, and a variety of techniques available that.

Prerequisites:

BKCK - Minimum Score: 1

### **CLD 408 - Bilingualism**

Credit Hours: 3.000

This course is a study of what it means to be a bilingual child or adult. It explores both the mind’s role in bilingualism and in language acquisition as well as

societal considerations. It surveys educational systems’ response to language variance among students and explores the social, academic and language learning consequences of growing up bilingual. Content seeks to familiarize students with various aspects of bilingual education and language contact from a social-psychological perspective. It aims at providing for analysis and evaluation of current theory and research on bilingualism, as well as for examination of pertinent pedagogical implications/applications. First, we are interested in both social and individual factors related to bilingualism. That is, how and why bilingualism originates both as an individual and a societal phenomenon, and the social-psychological consequences of the same. Accordingly, we will consider topics such as: language attitudes, language and nation, bilingualism and inter-group relations, speech style and social evaluation. Second, we will also consider some important aspects of language contact such as: linguistic borrowing; code switching; language maintenance and language shift; English as a language of wider communication; language and context; diglossia; conversational interactions; language policy; language and culture. Third, we will also examine some significant aspects of the psychology of bilingualism. Specific topics to be covered are: cognitive and sociocultural consequences of bilingualism; neurolinguistic aspects of language acquisition and bilingualism; theoretical and research issues of bilingual education; performance of bilingual children on standardized tests; alternative approaches to testing and assessment of bilinguals; the teaching of English to non-native English speakers in the state of Colorado. NOTE: A supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office Prior to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

BKCK - Minimum Score: 1

### **CLD 503 - Second Language Acquisition**

Credit Hours: 3.000

Introduction to second language acquisition (SLA) theory and the application of SLA theory to second/foreign language teaching practices. Explores what it means to know a language and, hence, how one learns/ acquires a second language. The emphasis in the course is to provide an opportunity to become familiar with up-to-date major theories of language acquisition (e.g., linguistic, psychological, sociological, etc.). That is, what happens in the mind of L1 learners and expand to 2L learners. This is not a methodology course, though



certain methods and approaches will be discussed as they are direct applications of 2L theories. Instead, students will be exposed to what research data show about the complex process of learning a second language, and to teach them how to rely on these data to understand a number of major models (theories) of 2LL and, as a result, be able to use this knowledge to evaluate different methods, materials and assessments for 2LL/CLD Introduction to second language acquisition (SLA) theory and the application of SLA theory to second/foreign language teaching practices. Explores what it means to know a language and, hence, how one learns/ acquires a second language. The emphasis in the course is to provide an opportunity to become familiar with up-to-date major theories of language acquisition (e.g., linguistic, psychological, sociological, etc.). That is, what happens in the mind of L1 learners and expand to 2L learners. This is not a methodology course, though certain methods and approaches will be discussed as they are direct applications of 2L theories. Instead, students will be exposed to what research data show about the complex process of learning a second language, and to teach them how to rely on these data to understand a number of major models (theories) of 2LL and, as a result, be able to use this knowledge to evaluate different methods, materials and assessments for 2LL/CLD populations. The course presupposes no formal study or knowledge of language/ linguistics. As part of the course content, we will seek to foster cultural sensitivity to the diverse student population becoming increasingly prevalent in classrooms in the U.S. We will also be concerned with providing the basic skills needed to satisfactorily assess the suitability of diverse 2LL methodologies & programs to meet the needs of limited English proficiency (LEP) students. An underlying assumption of the course is that learning is a social process that takes place within the broader social milieu of the learner's speech community. Accordingly, 2L learners bring into the classroom diverse language and cultural backgrounds, as well as a unique set of competencies, skills, sensitivities, goals, and needs. In order to provide for a successful learning environment, teachers must be able to identify and relate to the diversity inherent in today's student population and be able to take 'affirmative steps' towards addressing the needs of the students in their classrooms. Course content and activities will assist participants in developing a greater 'appreciation of democracy and diversity' in the classroom as we prepare for a global society as reflected in current theories of 2L acquisition.

#### **CLD 504 - TESOL Methods**

Credit Hours: 3.000

This course introduces students to the study, philosophy, aims and methods of teaching English as a second (or foreign language) with an emphasis upon the techniques

and materials in current use. It aims at providing for examination of current theory and empirical data on language learning, as well as for scrutinizing pertinent pedagogical implications/ applications for the TESOL K-12/ CLD classroom intended to address the language needs of non-native speakers of English. In addition, the course reviews research-based instructional methodologies applicable to teaching language through the content areas. The course considers the large 'storehouse of information' currently available on how to successfully tap into this knowledge in order to develop and implement sound methodological approaches which will assist SL/ CLD learners in becoming proficient in the target language and successful in the academic content areas. Content addresses teachers' need to rely on effective instructional approaches and strategies that promote a climate that is conducive to opportunities for active involvement in learning about language, academic content, about classmates, and about the whole world. The course examines a synthesis of current 2L theory that should serve as the basis for development, selection, and modification of suitable materials and methods that will predictably be conducive to successful learning in both the language and content area classroom.

#### **CLD 505 - TESOL Reading**

Credit Hours: 3.000

This course introduces students interested in questions of language acquisition to the theories and practices relating to learning to read in a second language or second dialect. Topics included are models for acquiring foreign language reading skills, teaching strategies for second language/dialect literacy, evaluating literacy skills, current research about acquisition of literacy skills, and political and social implications of second language/dialect literacy. The content addresses specifics about teaching reading for ELL/ CLD populations in classrooms. Opportunity is provided for candidates to become familiar with resources and data on school populations. The main goal of this course is to assist practicing or prospective teachers to learn how to promote development or crucial reading skills among ELL students. The course seeks to reexamine the pedagogical issues central to the 2L reading classroom, to be able to select suitable materials, to develop appropriate reading activities, to identify valid assessment measures, and to plan effective reading lessons suitable for instruction of ESL/CLD students.

#### **CLD 506 - TESOL Writing**

Credit Hours: 3.000

This course introduces students interested in questions of language acquisition to the theories and practices of learning to write in a second language or second dialect. Topics included are 2L literacy development, writing theory, writing strategies, and 2L writers and rhetorical concerns. In addition, content examines teaching

methodologies for second language/dialect literacy, assessment/evaluation of literacy skills, current research about acquisition of literacy skills, and political, cultural and social implications of ESL/ CLD literacy development. The main goal of this course is to assist practicing or prospective teachers to develop proficiency in promoting development of crucial 2L literacy/ writing skills among English Language Learners (ELLs).

Content is responsive to the need to reexamine pedagogical issues central to the 2L writing classroom, and also be able to select suitable materials, to develop appropriate activities that address both second language literacy and content area knowledge, to identify valid assessment measures, to integrate technology into classrooms and to plan effective writing lessons suitable to the 2L classroom. Lastly, as part of the course content, we will seek to foster cultural sensitivity to the diverse student population becoming increasingly prevalent in classrooms in the U.S. We will also be concerned with providing the basic skills needed to satisfactorily assess the suitability of diverse 2LL methodologies & programs to meet the needs of limited English proficiency (LEP) students. An underlying assumption of the course is that learning is a social process that takes place within the broader social milieu of the learner's speech community. Accordingly, 2L learners bring into the classroom diverse language and cultural backgrounds, as well as a unique set of competencies, skills, sensitivities, goals, and needs. They may also bring with them different levels of L1 literacy skills. In order to provide for a successful learning environment, teachers must be able to identify and relate to the diversity inherent in today's student population and be able to take 'affirmative steps' towards addressing the needs of the students in their classrooms. Course content and activities will assist participants in developing a greater 'appreciation of democracy and diversity' in the classroom as we prepare for a global society as reflected in current theories of 2L development for academic purposes.

#### **CLD 507 - TESOL Tests & Measurement**

Credit Hours: 3.000

This course examines language assessments in TESOL/CLD. Course contents is intended to provide a practical and comprehensive overview of the different phases and activities involved in developing and implementing sound, rational, and effective language assessment instruments and activities. The course recognizes the relevance of context, purposiveness, and realistic discourse in testing. Specifically, the initial segment of the course will emphasize an integrated approach to educating English language learners (ELL) students, which encompasses social, cognitive, academic as well as linguistic dimensions and how to better assess the language instruction needs of ESL/CLD students. The course will focus on the practical applications of

fundamental assessment principles, as well as development and evaluation of teacher-generated instruments for placement and diagnosis. Content discusses various principles for guiding either practicing and prospective teachers through an assessment process mindful of standards-based instruction (e.g., dictation, cloze summary, oral interview, role-plays, portfolio assessment techniques) for teaching ESL/ CLD students at various levels.

#### **CLD 508 - Bilingualism**

Credit Hours: 3.000

This course is a study of what it means to be a bilingual child or adult. It explores both the mind's role in bilingualism and in language acquisition as well as societal considerations. It surveys educational systems' response to language variance among students and explores the social, academic and language learning consequences of growing up bilingual. Content seeks to familiarize students with various aspects of bilingual education and language contact from a social-psychological perspective. It aims at providing for analysis and evaluation of current theory and research on bilingualism, as well as for examination of pertinent pedagogical implications/applications. First, we are interested in both social and individual factors related to bilingualism. That is, how and why bilingualism originates both as an individual and a societal phenomenon, and the social-psychological consequences of the same. Accordingly, we will consider topics such as: language attitudes, language and nation, bilingualism and inter-group relations, speech style and social evaluation. Second, we will also consider some important aspects of language contact such as: linguistic borrowing; code switching; language maintenance and language shift; English as a language of wider communication; language and context; diglossia; conversational interactions; language policy; language and culture. Third, we will also examine some significant aspects of the psychology of bilingualism. Specific topics to be covered are: cognitive and sociocultural consequences of bilingualism; neurolinguistic aspects of language acquisition and bilingualism; theoretical and research issues of bilingual education; performance of bilingual children on standardized tests; alternative approaches to testing and assessment of bilinguals; the teaching of English to non-native English speakers in the State of Colorado.

#### **CLD 509 - TESOL Practicum/Capstone**

Credit Hours: 3.000

This course explores fundamental instructional considerations in TESOL by providing a school-based practical experience. This is a eight (8) week course under the direction of an experienced teacher/mentor and a university supervisor that provides classroom experience in an additional area of teaching certification

for those who already hold certification in one area. Interns will observe teaching, participate in work with students (K-12), participate in planning sessions, teach and participate in all activities for which regularly employed teachers are responsible. This course is the culminating experience for the MA in Education with CLD Endorsement. A copy of the final summative teaching evaluation is placed in the candidate's file in the Teacher Education Department. All candidates are expected to demonstrate the basic skills relative to all teaching skills, such as lesson planning, unit planning, classroom management, effective instructional approaches, appropriate selection of materials, and knowledge of the teaching-learning process prior to being recommended for TESOL K-12 certification. Instruction should demonstrate alignment with the Colorado CLD Competencies. Candidates are required to teach at least six (6) lessons at an appropriate level (i.e., K-6, 7-12). As part of the evidence of competence to provide effective instruction in English as a Second Language/ CLD, class participants are required to generate a Professional Portfolio aligned of the Colorado CLD Competencies, aligned with the five TESOL/CAPE domain areas and to successfully pass a TESOL Portfolio Exit Interview.

**CLD 510 - Culturally/Linguistic Diverse**

Credit Hours: 3.000

Participants will examine issues in our society and education system that impact students from culturally and linguistically diverse backgrounds. Included are history and socio-political contexts for schools, the role of culture and heritage language in developing academic language and succeeding in school, the relationship between first language maintenance and second language literacy, and the importance of family and community involvement in the academic achievement of CLD students.

**CLD 516 - Multicultur Narrativ Ed Reform**

Credit Hours: 3.000

This course emphasizes the ability to deliver literacy instruction to CLD students that supports reading, writing, listening, and speaking, and that is systematic and comprehensive in approach. The relevance of multicultural education to CLD socio-linguistic development is explored.

**CLD 520 - Language Acquisition**

Credit Hours: 3.000

Theory, research, and implications for practice of first and second language acquisition, and related cognitive development, are studied. The differences between constructivist and behaviorist learning theory and the relationship to social-cognitive theories of language acquisition, both oral and written, are emphasized.

**CLD 526 - Assessment of English Learners**

Credit Hours: 3.000

This course applies principles of formative and summative assessment to the identification, placement, and teaching of students from diverse cultural and linguistic backgrounds. Topics include the selection of English proficiency measures, appropriate use of content achievement tests, assessment of literacy development, and the reporting of assessment results.

**CLD 530 - Theory to Practice**

Credit Hours: 3.000

This course focuses on current educational research in and models of ESL education. These models will be evaluated in relation to the students' knowledge of first and second language acquisition, both oral and written, and learning. Adult-child interactions, learning materials, learning environments, and curricula that support successful learning and language acquisition will be examined. Students will examine their own practices in relation to research-based practices using the SIOP model.

**CLD 535 - Internship**

Credit Hours: 6.000

This course provides a candidate practicum experience in ESL settings at different grade levels. In consultation with a college supervisor and mentor teacher, candidates will plan and deliver instruction to CLD students as well as participate in some non-instructional, relevant activities (e.g., curriculum development; CLD assessment; parent involvement). MA Education candidates will complete the Capstone Research Project during this course.

**CLD 579 - Special Topics in CLD**

Credit Hours: 3.000

This is a tutorial course that entails an examination of selected topics of education as they relate directly to first and second language learning, pedagogy, bilingualism, multicultural education and assessment. The course may focus on different semesters on such topics as phonology and language learning, psycholinguistics and bilingualism, or teaching English in the content area classroom. This course may be repeated for credit once under different course subtitle. Prerequisite: consent of instructor. Course content is aligned with Colorado Culturally and Linguistically Diverse Competencies (CLD) and TESOL Teacher Preparation Standards. Students wishing to take a topics course must have a subject of study in mind which they wish to pursue; subjects or topics will not be furnished for them. Each student must have permission from the Chairman of the Teacher Education Department. Each student must design a program of study meeting the supervisory faculty member's approval. The CLD 579- Topics in CLD or TESOL form must be filled out in triplicate (one for the student, one for the faculty member, one for the English Department Chairman) and approved prior to enrollment in CLD 579. Student enrollment without such

approval will be cancelled. A student enrolled in CLD 579 will have one bi-weekly conference throughout the semester with the supervising faculty member (may take place via online).

### **COMM 100 - Public Speaking**

Credit Hours: 3.000

Students will learn the theories behind and the techniques of public speaking. Students will compose, videotape, and upload speeches on various topics and various styles for peer and instructor critique. Students will also learn about the various models of public speaking and the fundamentals of communication theory.

### **COMM 165 - Digital Filmmaking**

Credit Hours: 3.000

Course covers the aesthetics and practice of narrative, documentary, and experimental media production at an introductory level using a variety of digital filmmaking tools including digital photography, digital video, audio recorders, and editing software. Students will complete video products they can post to YouTube and similar sites.

### **COMM 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **COMM 190 - Radio Practicum**

Credit Hours: 1.000 TO 3.000

Students earn one credit hour for every three hours of work weekly on KASF-FM or its web site. See station manager for details.

### **COMM 195 - Video Practicum**

Credit Hours: 1.000 TO 3.000

Students earn one credit per three videos (or equivalent work) that they produce for the student-run Grizzly Video Productions (YouTube channel and Campus Cable Channel 5). Please see the Grizzly Video Productions faculty adviser or the student GVP General Manager for further details.

### **COMM 197 - Newspaper Practicum**

Credit Hours: 1.000 TO 3.000

Students earn one credit per five stories (of 500 words apiece, or pre-approved substitutions) that they write for the Paw Print. Students should write on a variety of topics. Also required is the attendance of three newspaper staff meetings per credit registered. Please see the newspaper faculty advisor or the student editor for further details.

### **COMM 230 - Media Writing**

Credit Hours: 3.000

Students will survey the fundamental types of media writing, including inverted pyramid news writing, feature writing, blogging, and screenplays. News literacy will also be covered.

Prerequisites:

ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T

### **COMM 255 - Fundamentals of Media Comm GT-AH2**

Credit Hours: 3.000

Students will examine how media form and are formed by culture and society. They will develop a sophisticated understanding of media by exploring the links between media production, media content, and a rapidly changing society. Media surveyed will include film, television, print, popular music, and Internet.

Prerequisites:

ENG 102 Minimum Grade: C-

OR ENG 102 Minimum Grade: T

OR ENG 102 Minimum Grade: C-

OR ENG 102 Minimum Grade: T

### **COMM 275 - News Writing and Criticism**

Credit Hours: 3.000

Inverted pyramid print writing and basic broadcast writing are covered in this course. Additionally, students critique, discuss, and analyze current print and broadcasting media conventions, ethics, and procedures.

Prerequisites:

( ENG 102 Minimum Grade: C- )

OR ( ENG 102 Minimum Grade: T )

### **COMM 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **COMM 280 - Visual Rhetoric**

Credit Hours: 3.000

The discourse behind visual communication will be explored. Photography, television, film, web images, etc. will be analyzed for their persuasive meanings. Further, students will create visual messages using standard industry practices to gain an appreciation of how visual rhetorical meaning is encoded.

Prerequisites:

ENG 102 Minimum Grade: C-

### **COMM 285 - Digital Media Production**

Credit Hours: 3.000

Teaches skills needed to produce effective digital media in print, audio, and video formats. Students are encouraged to take this course concurrently with newspaper, radio, and/or video practicum.

### **COMM 293 - Media Practicum**

Credit Hours: 3.000

Students will work hands-on to learn various media industry-related skills. Students will deejay for KASF-FM, Grizz Radio, and/or create podcasts, write for The Paw Print, and create a short video piece.

Prerequisites:

COMM 320 Minimum Grade: C-

OR COMM 320 Minimum Grade: T

### **COMM 327 - Social Media**

Credit Hours: 3.000

Surveys the history of the early Internet and the transition to Web 2.0. Students will apply this knowledge by designing, creating, and developing social media presence for non-profits, local municipalities, etc., and training the recipients on how to maintain their social media presence

Prerequisites:

ENG 102 Minimum Grade: C-

OR ENG 102 Minimum Grade: T

**COMM 340 - Citizen Jour & Freelance Wrt**

Credit Hours: 3.000

This course focuses on the writing skills and theory behind being a freelance or citizen journalist, including feature writing and literary journalism, blogging, and video.

Prerequisites:

COMM 293 Minimum Grade: C-

OR COMM 293 Minimum Grade: T

**COMM 345 - Business of Radio & TV**

Credit Hours: 3.000

This course is designed for majors of Communication & Media, Media Industry & Communication, Public Relations, and other majors who are interested in careers in the radio and television industries. Students will study in-depth as to how the radio and television industries operate.

**COMM 350 - Media Theory & Criticism**

Credit Hours: 3.000

Students will explore various theories that explain the nature of mass communication, the impact that media have on society, and the trends in media consumption. Particular emphasis will be placed on propaganda, violence in media, information processing, media monopolies, and critical media consumption. Students will be expected to track current media and debate contemporary media controversies in class.

Prerequisites:

( COMM 255 Minimum Grade: C- )

OR ( COMM 255 Minimum Grade: T )

**COMM 355 - PR & Strategic Comm**

Credit Hours: 3.000

Students will study the theoretical and practical elements of the field of public relations and the use of strategic communication. Student will then compose public relations materials applying the elements studied.

Prerequisites:

ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T

**COMM 360 - Media Management**

Credit Hours: 3.000

Students learn how various media organizations are managed and operated, with a specific focus on radio and television. Various management structures are also explored.

Prerequisites:

COMM 293 Minimum Grade: C-

OR COMM 293 Minimum Grade: T

**COMM 365 - Digital Filmmaking**

Credit Hours: 3.000

This course covers the aesthetics and practice of narrative, documentary, and experimental media production using a variety of digital filmmaking tools including digital photography, digital video, audio recorders, and editing software. Students will complete video products they can post to YouTube and similar sites.

Prerequisites:

COMM 230 Minimum Grade: C-

OR COMM 320 Minimum Grade: T

**COMM 367 - Short Film/Movie Trailer Prod**

Credit Hours: 3.000

This course is an intensive production workshop on the sort film and the structure of the commercial movie trailer. Students work in small groups to create an original narrative short film and work individually to create a movie trailer from existing material. Students will share their works in progress with the class and screen their final work through ASU media outlets such as the Grizzly Video YouTube and GRZ-TV campus cable channel 5.

Prerequisites:

( COMM 165 Minimum Grade: C-

AND COMM 285 Minimum Grade: C- )

OR ( COMM 165 Minimum Grade: T

AND COMM 285 Minimum Grade: T )

**COMM 368 - Documentary Film Production**

Credit Hours: 3.000

Production course introduces students to the documentary, a form of non-fiction filmmaking. Students will create short documentaries in visual media, utilizing narration, video, still photos, and other elements to tell a story for general audiences.

Prerequisites:

( COMM 165 Minimum Grade: C-

AND COMM 285 Minimum Grade: C- )

OR ( COMM 165 Minimum Grade: T

AND COMM 285 Minimum Grade: T )

**COMM 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student interests in the field.

**COMM 380 - Spanish Media**

Credit Hours: 3.000

Students will examine the issues facing Spanish-speaking media in the United States, as well as its business model and the skills needed to enter the field. Bilingual recommended but not required.

Prerequisites:

COMM 345 Minimum Grade: C-

OR COMM 345 Minimum Grade: T

**COMM 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COMM 420 - Rhetoric of Popular Culture**

Credit Hours: 3.000

This course takes seriously the idea human discourse is inherently persuasive. Further, it takes seriously the idea that popular culture is still human culture, and therefore worthy of analysis to understand how it influences human relationships and political struggle. Students will examine the messages and persuasive discourse found in everyday "texts" in film, television, the Internet, music, technology, celebrity, fashion, and other modes of cultural consumption.

**COMM 425 - Media Research Methods**

Credit Hours: 3.000

Students will examine the prominent methods of media research, including quantitative and qualitative research, reliability and validity, specific methods used in the industry, the Nielsen ratings, and market trends.

Prerequisites:

ENG 102 Minimum Grade: C-

**COMM 430 - Diversity in Media**

Credit Hours: 3.000

Students will analyze how US media represents traditionally marginalized people in the United States. The course will be primarily discussion based, with students and instructor working together to generate ideas and critique dominant ideologies.

Prerequisites:

COMM 350 Minimum Grade: C-

OR COMM 350 Minimum Grade: T

**COMM 457 - First Amendment & Copyright**

Credit Hours: 3.000

This course explores the First Amendment of the U.S. Constitution and current U.S. copyright laws, and how they apply to and affect both media practitioners and U.S. citizens.

Prerequisites:

COMM 255 Minimum Grade: C-

OR COMM 255 Minimum Grade: T

AND COMM 275 Minimum Grade: C-

OR COMM 275 Minimum Grade: T

**COMM 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**COMM 495 - Communication Capstone**

Credit Hours: 3.000

This course is designed to be the academic capstone experience for all students who are majoring in Communication & Media or Public Relations and to prepare students for a career in the media industry and/or

for graduate studies in the field. Subject matter will vary depending upon the instructor's specialization or area of interest. All capstone students will conduct a major research project that reflects the student's mastery of library usage, research methodology, breadth of knowledge, critical thinking, and writing ability.

**COMM 496 - Communication Internship**

Credit Hours: 1.000 TO 3.000

Advanced communication students will work in a pre-employment capacity in the field of communications/journalism (broadcasting, video, print, satellite, or computing), applying learned skills in a working environment.

**COMM 499 - Individual Studies**

Credit Hours: 1.000 TO 13.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COMM 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**COUN 312 - Introduction to Counseling**

Credit Hours: 3.000

This course provides an introduction to the profession of counseling and the importance of interpersonal communication skills and self-awareness across a variety of disciplines. Topics include an introduction to different counseling approaches, such as individual, family, and group counseling.

Prerequisites:

( PSYC 101 Minimum Grade: C-

AND PSYC 204 Minimum Grade: C-

OR PSYC 205 Minimum Grade: C- )

OR ( PSYC 101 Minimum Grade: T

AND PSYC 204 Minimum Grade: T

OR PSYC 205 Minimum Grade: T )

**COUN 392 - Workshops**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**COUN 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COUN 411 - Transpersonal Psychology**

Credit Hours: 3.000

This course will attempt to tap into this reservoir, to journey into the depth of consciousness of the human being. Essentially, transpersonal psychology is an approach to psychology, psychotherapy, and personal growth which integrates psychology and spirituality. The focus of transpersonal psychology goes beyond behaviorism, psychoanalysis, cognitive psychology, and

humanistic psychology. Transpersonal psychology is concerned with the study of humanity's highest potential, and with the recognition, understanding, and realization of unitive, spiritual, and transcendent states of consciousness.

#### **COUN 471 - American Sign Language IV**

Credit Hours: 3.000

The focus of this no-voice course is to give the student a higher level of a continuous and advanced level of American Sign Language and will include more Deaf Community involvement as well as Deaf culture to add on to the students' current basis for in-depth specific signs and norms. The course will help the student to increase not only additional signing vocabulary but also understand the advanced grammatical uses of ASL. The student will augment a deeper awareness of the deaf community and usage of a manual language in many areas such as Law Enforcement, Education, (as in mainstreaming), Social Services, Counseling, Employment, and other areas where contact with the deaf is needed for maximum communication and interaction.

Prerequisites:

COUN 215 Minimum Grade: C

OR COUN 321 Minimum Grade: C

OR COUN 351 Minimum Grade: C

#### **COUN 503 - Intro to Research**

Credit Hours: 3.000

An introductory course to help students develop an understanding of the importance of research; overview basic elements of quantitative, qualitative, and action research ;methods, enhance skills to evaluate and critique research and literature; and gain an appreciation for conducting research.

#### **COUN 508 - School Law for Counselors**

Credit Hours: 3.000

This course will examine the range of topics associated with counseling in the public and private schools. Topics include laws and cases related to the governance and role of federal and state governments with regard to confidentiality, topics and activities pertaining to the implementation of comprehensive guidance and counseling programs, parent and student rights, discrimination and rights of the disabled, student discipline issues, and other topics influencing the profession of school counseling. Liability, common law, statutory law, and current cases and trends will be investigated.

#### **COUN 515 - Multicult & Diversity Issues**

Credit Hours: 3.000

This course is designed to assist students in understanding the impact of social/cultural forces upon identity development and formation. Students will explore various components of our pluralistic society and how oppressive systems can exclude and harm

individuals. Change theory and advocacy principles will be introduced to aid students in dealing with these issues in their communities and with clients.

#### **COUN 517 - Life Span Development**

Credit Hours: 3.000

This course is designed to provide an understanding of major influences of human development. Presentation of various developmental theories enable the student to understand the stages of the developmental process that include conception, childhood, adolescence, adulthood, aging process, and death and dying. Students will develop an appreciation and awareness of the complexity of human growth and development.

#### **COUN 518 - What's love got to do with it?**

Credit Hours: 3.000

This course offers insight into a topic that many are extremely interested in: the exploration of love. Students will explore the nature of the interpersonal relationship from falling in love, parent-child love and attachment, counselor-client relationship, sex and eroticism, neuroscience and the effect of love on the brain, the creation of meaningful relationships, friendship, love of God and nature, the human-animal bond, and the love of possessions. This course will discuss the heartache of love, including grief and loss, and will identify when interpersonal relationships are not healthy. Self-love will be explored as a foundation for all love and affection. The psychological approach to love and relationships from different perspectives - primarily evolutionary, attachment theory; as well as focus on some ethical issues related to these areas within the counseling profession.

#### **COUN 524 - Coun Theors & Hlp Relationship**

Credit Hours: 3.000

This course presents the major schools of thought influencing the practice of counseling. The relationship of philosophy, theory, and practice will be a primary focus. Students will understand the historical foundations of counseling and the beginnings of their own personal foundation of counseling.

#### **COUN 527 - Group Counseling**

Credit Hours: 3.000

This course explores leadership styles, group dynamics, and group process necessary to run successful groups. The major group counseling theories will be explored, and group skills will be practiced. The course requires that students gain experience as both a growth group participant and as a co-leader.

#### **COUN 527L - Group Counseling Lab**

This lab allows students to gain experience as a growth group participant and is a requirement.

#### **COUN 528 - Career Development**

Credit Hours: 3.000

This course provides students an understanding of the career planning process. Key career development

theories will be examined and applied. The counseling process, the world of work, and career information resources, including computerized career assessment, will be examined in relation to career interventions.

#### **COUN 530 - Couples/Family/Systems**

Credit Hours: 3.000

This course provides counseling students with the theoretical background and therapeutic skills necessary for therapeutic intervention in families, couples, and systems. Students will examine systems theory as it relates to families and couples and develop knowledge and skill pertaining to family-of-origin issues, addictions, parenting, and professional consultation.

#### **COUN 531 - Parenting**

Credit Hours: 3.000

This course will provide helpful strategies to those working with children to help them make more effective choices that allow for shared control and equal respect. Using the Becoming a Love and Logic Parent Training, students will learn tips that will help parents develop the skills for shared control, take care of themselves, and make parenting a more enjoyable process.

#### **COUN 534 - Coun Modalities Sch Setting**

Credit Hours: 3.000

This course focuses on applying the skills interventions and modalities learned in the counseling courses to the school setting. Emphasis will be on learning to use evidence-based practices to help K-12 students function more effectively in the academic, personal/social, and career domains.

#### **COUN 535 - Grief and Loss**

Credit Hours: 3.000

Experiences of grief and loss, death and the process of dying are all a part of our human existence. This course presents an overview of grief and the effects on aspects of living, the dying process, and the importance and process of grief work, and bereavement and how these relate to individuals, families and caregivers. Content will also include some of the history, purpose and current practices related to various rituals; as well as focus on some ethical issues related to death and dying within the counseling profession.

#### **COUN 536 - Pre-Practicum**

Credit Hours: 3.000

This course provides students an introduction to the counseling profession and helping relationships. The course will emphasize personal growth, self-awareness, and professional behavior. Students will experience the helping relationship as both client and counselor.

#### **COUN 537 - Practicum**

Credit Hours: 3.000

Practicum is a clinical, experiential course that requires students to complete hours in a professional setting. The student will apply counseling techniques and skills in a supervised setting. The student will participate in the

counseling process, refine techniques, and further enhance his/her therapeutic development.

#### **COUN 538 - Crisis, Disaster, and Trauma**

Credit Hours: 3.000

This course focuses on knowledge of the many types of intervention used to address a range of crises. We will explore definitions of crisis, crisis theory, and models applied to specific crisis situations. The characteristics of effective crisis workers will be examined. Emergency services, school crisis teams, crisis hotlines, and other crisis response units will be discussed. Various activities will be used to practice the skills learned.

#### **COUN 539 - Sexuality Counseling**

Credit Hours: 3.000

This course is designed to increase the effectiveness of counselors in treating various sexual issues. Topics to be addressed in this course include male and female sexual systems, sexual myths, variations in sexual behavior, and common sexual and relationship concerns/disorders.

Various therapeutic approaches will be presented. Note: Material covered and discussed in this class (videotapes included) is to be considered sexually explicit. Any student who is uncomfortable with explicit and detailed discussion of sexual issues, attitudes, behaviors, and practices should frankly consider whether participation in this course is appropriate for them at this time.

#### **COUN 540 - Fdn of School Counseling**

Credit Hours: 3.000

This course provides an introduction to professional school counseling, including historical perspectives, theory, practice, employment settings, credentialing, legislation, research, and ethical considerations.

#### **COUN 541 - Comp School Counseling**

Credit Hours: 3.000

This course offers an in-depth exploration of current professional school counseling. Students will understand the skills needed in counseling, consulting, advocacy, and collaboration to promote academic success for all students. The course offers a comprehensive approach to a school counseling program. Students will learn the mechanism with which school counselors and school counseling teams design, coordinate, implement, manage and evaluate their programs for student success.

Prerequisites:

COUN 540 Minimum Grade: C

#### **COUN 542 - Diagnosis and Psychopathology**

Credit Hours: 3.000

The evolution of the DSM, its organization, and use will be explored. The student will develop an understanding of the process of diagnosis and the classification of mental disorders. The etiology and treatment of psychological disorders will be reviewed. Clinical writing skills will be practiced.

#### **COUN 546 - Assessment in Counseling**

Credit Hours: 3.000



This course provides students with an understanding of individual and group approaches to assessment and evaluation. Students will learn various assessment and appraisal techniques with emphasis on multicultural and diversity, ethical, and legal issues.

**COUN 549 - Foundations Addict Counseling**

Credit Hours: 3.000

This course provides counselors in training with an overview of the addictive process and the practice of addiction counseling. Models and theories of addiction along with professional issues in addiction counseling, co-occurring disorders, such as process addictions will be addressed. Students will demonstrate conceptual knowledge, practical skills, and self-awareness concerning the etiology of addiction and its impact across the life-span, including criminology, neurological and societal implications. Assessment, diagnosis, and treatment of addictions with diversity and advocacy issues also being explored.

**COUN 550 - Ethics & Professional Issues**

Credit Hours: 3.000

This course focuses on the ethical standards that govern the counseling profession. Current legislation and court decisions affecting professional behavior are examined. Particular emphasis is placed on the individual counselor's development of a professional identity within legal and ethical parameters.

**COUN 551 - Prof Sch Counseling Issues**

Credit Hours: 3.000

This course will focus on the day-to-day life of the school counselor and current trends in school counseling. Specifically, students will gain an understanding of the counselor as educational leader, working with parents and the community, diversity in schools, serving specific populations, crises/threat assessment, technology, career advisement, and ethical and legal issues.

**COUN 552 - Cognitive Behavioral Therapy**

Credit Hours: 3.000

The purpose of this course is to introduce students to Cognitive Behavioral Therapy (CBT) theory and its applications. The traditional theories of Skinner, Bandura, Beck, Ellis and Meichenbaum will be studied as well as newer models of cognitive behavioral therapy (e.g., Cognitive constructivism and Mindfulness). Theory will be applied across the lifespan with a special focus on anxiety and depressive disorders. Students will also learn how to utilize a cognitive-behavioral manual in treatment.

**COUN 553 - Child/Adolesc Psychopathology**

Credit Hours: 3.000

This course is designed to present the process of diagnosing childhood and adolescent disorders using the DSM. In addition, this course will provide the guidelines for treatment planning and implementation. Upon

completion of this course, students will demonstrate the ability to more accurately diagnose, define treatment goals, and design and implement treatment plans for use in working with children and adolescents.

**COUN 554 - Coun Mods for Clin Ment Hlth**

Credit Hours: 3.000

This course focuses on applying the skills, interventions and modalities learned in the counseling courses to the Clinical Mental Health setting. Emphasis will be on learning to use evidence-based practices, working with clients with co-occurring diagnoses, and collaborating with multi-disciplinary teams.

**COUN 555 - Clinical Mntl Hlth Counseling**

Credit Hours: 3.000

This course focuses on issues in clinical mental health counseling including professionalism, roles and responsibilities, leadership, and management issues. The roles, responsibilities, and functions of the clinical mental health counselor will be discussed, showing the interrelatedness of community mental health counseling and other therapeutic professions (e.g., hospitals, law enforcement, and human services). In addition, the theoretical and historical framework within which the clinical mental health counselor has functioned in the past, the present, and the future will be explored.

**COUN 556 - Mindfulness and Psychotherapy**

Credit Hours: 3.000

This course will introduce students to the practice of mindfulness and how it relates to the person of the therapist, the therapeutic alliance and the practice of counseling.

**COUN 557 - Advanced Couples Counseling**

Credit Hours: 3.000

This course provides the counseling student the theoretical background and therapeutic skills necessary for intervention in couples. Students will examine systems theory and other therapeutic interventions for couples.

**COUN 558 - Creativity in Counseling**

Credit Hours: 3.000

This course is designed to introduce students to creative approaches in counseling. Topics of discussion will include, but are not limited to: art therapy, sandray, bibliotherapy and music therapy. Students will understand how creative approaches can enhance the counseling process regardless of age and counseling modality. Course activities will include reading discussions, lectures, film and experiential learning.

**COUN 562 - Counseling Adolescents**

Credit Hours: 3.000

This course is designed to develop students' knowledge and skills in the theory and practice of working with adolescents. Focus and attention of the course will be on issues, interventions, techniques and special considerations when counseling adolescents in any

setting. Related topics include: developmental considerations, social and cultural factors of interpersonal issues of adolescents, gender specific and LGBT issues, multicultural family systems, use of diagnostic criteria, treatment planning issues, counseling interventions, relational and career issues, chemical and process addictions, technology, trauma focus and attachment, justice involved adolescents, sexually maladaptive behaviors and legal and ethical considerations.

**COUN 564 - Treatment of Sexual Offending**

Credit Hours: 3.000

This course focuses on applying current skills, interventions, and modalities learned in the counseling courses in the provision of counseling services to those who sexually offend. Additionally, students will gain knowledge and awareness of current issues, modalities of treatment, and past and current management strategies of juvenile and adult sexual offenders.

**COUN 566 - Intro to Play Therapy**

Credit Hours: 3.000

This course provides an overview of essential play therapy elements and principles including history, theories, techniques, and modalities. Emphasis on observation and application of play therapy skills and technique. Covers three content areas required for the Registered Play Therapist credential - History, Theory, and Techniques and methods.

**COUN 567 - Gestalt & Existential Therapy**

Credit Hours: 3.000

This course is an in-depth exploration of the therapeutic approaches of gestalt and existential therapies. Specific existential and phenomenological topics will be addressed including death, meaning, isolation, freedom, anxiety, guilt, authenticity, empathy, worlds, and being. Additionally, a range of gestalt concepts will be covered including contact, boundary disturbances, and the empty-chair technique. The emphasis of the course is on fostering an understanding of these theories in the context of counseling practice. Interventions from both theories will be explored. The course will also focus on integration of multiple counseling theories.

**COUN 570 - Intro to Neurocounseling**

Credit Hours: 3.000

This course provides an introduction and overview of an emerging modality known as Neurocounseling. In this course you will learn basic neuroscientific concepts and their application within various aspects essential to counseling. Specifically, this course will address the underlying neuroscientific concepts related to client mental health concerns and wellness. Neurocounseling approaches and adaptations in addictions, wellness, multiculturalism, counseling theory, and group work will be addressed as well.

**COUN 580 - Adv Play Therapy: Theor,Skills**

Credit Hours: 3.000

This course focuses on learning the different theoretical modalities of play therapy, as well as applying advanced skills, and interventions in play therapy.

Prerequisites:

COUN 566 Minimum Grade: B-

**COUN 581 - School-Based Play Therapy**

Credit Hours: 3.000

This course provides an overview of how to integrate play therapy techniques and interventions into the school setting. This course will also provide an overview of play therapy modalities, discuss the requirements for professional certification as a school-based play therapist, discuss different assessments, and special topics related to incorporating play therapy into the school setting.

Prerequisites:

COUN 566 Minimum Grade: B-

AND COUN 580 Minimum Grade: B-

**COUN 583 - Adlerian Play Therapy**

Credit Hours: 3.000

This course focuses on learning and applying Adlerian play therapy.

**COUN 584 - Suicidology**

Credit Hours: 3.000

This course introduces students to the field of suicidology. Students will develop knowledge of suicide across the lifespan and across diverse populations. In addition, this course is designed for students to develop requisite knowledge and skills in suicide assessment, intervention, and prevention. Particular emphasis will be given to knowledge and skills as they apply to clinical mental health and school counseling settings.

**COUN 585 - Intern I Clinic Mental Health**

Credit Hours: 3.000

Students will utilize knowledge and skills gained in coursework and the practicum experience in a supervised counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration, and self-awareness.

Prerequisites:

COUN 537 Minimum Grade: B

AND COUN 555 Minimum Grade: C

**COUN 586 - Intern I-School Counseling**

Credit Hours: 3.000

Students will utilize knowledge and skills gained in coursework and the practicum experience in a supervised counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration and self-awareness.

Prerequisites:

COUN 537 Minimum Grade: B-

**COUN 587 - Intern I Addiction Counseling**

Credit Hours: 3.000

Students will utilize knowledge and skills gained in coursework and the practicum experience in a supervised counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration and self-awareness.

Prerequisites:

COUN 537 Minimum Grade: C

AND COUN 549 Minimum Grade: C

AND COUN 560 Minimum Grade: C

**COUN 593 - Intern Special-Prof School**

Credit Hours: 3.000

This internship is designed to provide the student with actual supervised experience in school counseling.

Instructor approval is required for registration.

Prerequisites:

PSYC 524 Minimum Grade: C

AND PSYC 536 Minimum Grade: C

AND PSYC 537 Minimum Grade: C

OR COUN 524 Minimum Grade: C

AND COUN 536 Minimum Grade: C

AND COUN 537 Minimum Grade: C

**COUN 594 - Intern Spec-Clinic Mental Hlth**

Credit Hours: 3.000

This internship is designed to provide the student with actual supervised experience in clinical mental health counseling. Instructor approval is required for registration.

Instructor approval is required for registration.

Prerequisites:

PSYC 524 Minimum Grade: C

AND PSYC 536 Minimum Grade: C

AND PSYC 537 Minimum Grade: C

OR COUN 524 Minimum Grade: C

AND COUN 536 Minimum Grade: C

AND COUN 537 Minimum Grade: C

**COUN 595 - Intern II Clinical Mental Hlth**

Credit Hours: 3.000

A continuation of Internship I, students will complete their supervised on-site experience, expand their acquired skills, and receive further supervision.

Instructor approval is required for registration.

Prerequisites:

PSYC 585 Minimum Grade: C

OR COUN 585 Minimum Grade: C

**COUN 596 - Intrnshp II- School Counseling**

Credit Hours: 3.000

A continuation of Internship I, students will complete their supervised on-site experience, expand their acquired skills, and receive further supervision.

**COUN 705 - Advanced Theories and Career**

Credit Hours: 3.000

This course examines several major counseling and career theories that inform current counseling practice.

Students will have an opportunity to compare and analyze and evaluate the compatibility and effectiveness

of counseling theories in practice, including evidence based practices, and ethical and culturally relevant practice in multiple clinical settings. Students will demonstrate knowledge and application of major theories pertaining to the principles and practices of counseling and career development to include the conceptualization of clients from multiple theoretical perspectives.

**COUN 708 - Quantitative Research Method**

Credit Hours: 3.000

This course examines advanced quantitative research models and methods of instrument design such as experimental and quasi-experimental designs to include application of advanced quantitative research skills, evaluation of research proposals from human subjects/institutional review board reviews, application of professional writing for journal and newsletter publication, and appropriate conference proposal procedures. Students will demonstrate knowledge through application of quantitative research questions appropriate for professional research and be introduced to writing for publication. This course will also address ethical and diversity issues involved in research design, measurement, implementation, and generalization of findings.

**COUN 710 - Supervision and Consultation**

Credit Hours: 3.000

Theoretical and applied aspects of the human learning process related to clinical supervision and consultation, with an emphasis on the concepts, issues, and strategies of applied clinical supervision and its delivery will be explored in this course. This course provides an opportunity for students to synthesize and apply knowledge of supervision and the consultations process as they develop their personal style for supervision and consultation. Students will be exposed to current theories, models, and topics related to supervision and consultation. Ethical and legal issues in supervision and consultation will be addressed.

**COUN 712 - Qualitative Research Methodolo**

Credit Hours: 3.000

This course examines qualitative research design and the development of advanced level qualitative research skills. Explores and contrasts philosophical assumptions of qualitative and quantitative research. Areas of emphasis include methodologies, such as grounded theory, ethnographic, and phenomenological and other emergent research practice and processes. Students will develop competencies in qualitative data collection, analysis, and oral and written data presentation. Various methodologies and approaches to qualitative research are reviewed.

**COUN 715 - Adv Multicult & Ethical Issues**

Credit Hours: 3.000

This course will provide an understanding of the cultural context of relationships, issues and trends in a multicultural and diverse society using relevant professional ethical codes and principles. Emphasis will be placed on delivering culturally and ethically relevant counseling in multiple settings, conducting supervision, and conducting and reviewing research. Cultural and ethically relevant leadership and advocacy practices will be discussed. Students will explore current social and cultural issues, including social change theory and advocacy action planning. The role of racial, ethnic, and cultural heritage; nationality; socioeconomic status; family structure; age; gender; sexual orientation; religious and spiritual beliefs; occupation; physical and mental status; local, regional, national, and international perspectives; and equity issues in counselor education programs, counseling supervision, and counseling research.

**COUN 717 - Instruct Theory in Coun Ed**

Credit Hours: 3.000

This course prepares students to teach counseling and related courses. Topics covered are learning theories, retention of material, motivation, classroom instructional strategies and techniques, and assessment of learning from the core learning expectations. This course will provide an overview of the history and development of counselor education with an examination of the theoretical orientation and practice skills necessary to function effectively as a counselor educator. Students will examine their personal philosophy of teaching and learning and demonstrate the ability to design, deliver, and evaluate methods appropriate to course objectives.

**COUN 720 - Advanced Group Counseling**

Credit Hours: 3.000

This course focuses on a critical analysis of advanced group counseling theories, approaches, literature, and modalities applicable to working with groups. Students will engage in experiential learning focused on in-depth exploration of their personal approach to group leadership and supervision. Students will also develop advanced group counseling leadership skills and identify strategies based upon the special needs and characteristics of diverse client groups.

**COUN 722 - Data Analysis**

Credit Hours: 3.000

This course examines univariate and multivariate statistics most frequently used in psychological research. Students will learn how to read and interpret these statistics in published psychological research as well as how to apply them to the analysis of their own research projects. Students will learn how to select the appropriate statistical analyses, collect data in a controlled manner, analyze the data, and interpret the results. This course emphasizes skill in the application of advanced statistical techniques to social science

research, interpreting results of statistical analyses, and data analyses and presentations.

**COUN 725 - Seminar in Counselor Education**

Credit Hours: 3.000

This course is designed to facilitate the student's awareness and knowledge in current issues related to counselor educators. Students will discuss and present current issues in the field, providing a format for debate and discussion. The course will increase the student's awareness of the ever-changing areas of social and educational change.

**COUN 727 - Adv Practicum in Counseling**

Credit Hours: 3.000

This advanced supervised practicum in counseling will enable doctoral-level students to develop and/or refine advanced counseling skills and conceptually link counselor practice and supervision. The doctoral practicum focuses on additional supervised clinical counseling experience beyond the supervised experience completed in the student's master's degree program. Students are required to participate in a supervised doctoral-level practicum of a minimum of 100 hours in counseling, of which 40 hours must be in direct service with clients. The nature of the doctoral-level practicum experience is to be determined in consultation with program faculty and/or a doctoral committee. Students will participate in weekly group supervision with a faculty member and other practicum students.

**COUN 729 - Seminar: Leadership & Advocacy**

Credit Hours: 3.000

This leadership focused course will focus on current issues in counseling to include the role of ethical and legal consideration in counselor education and supervision. Focus will be on the theories, skills and models of leadership as well as strategies for responding to community, national, and international crises and disasters. Students will explore current topical and political issues in counseling and how those issues affect the daily work of counselors and the counseling profession. Students must demonstrate the ability to provide leadership or contribute to leadership efforts of professional organizations and/or counseling programs and the ability to advocate for the profession and its clientele.

**COUN 731 - Advanced Assessment**

Credit Hours: 3.000

This course serves as an advanced course to the basic principles of psychological assessment, testing, and evaluation. The focus will be on both psychometric theory and the usage of advanced psychological/counseling testing instruments in assessment. Students will examine and critique a variety of assessment instruments used in counseling.

**COUN 733 - Seminar: Prgm Eval & Grant Writ**

Credit Hours: 3.000

This course focuses on the concepts and processes related to program evaluation and the steps in performing a program evaluation. Emphasis is on the application and demonstration of critical thinking skills related to analyzing and evaluating an array of programs. Students will also demonstrate the ability to write grant proposals appropriate for research, program enhancement, and/or program development. Students will engage in grant writing activities appropriate to their site and counseling goals.

**COUN 734 - Advanced Rsrch & Publication**

Credit Hours: 3.000

This course examines advanced topics and controversies in qualitative and quantitative counseling research; this integration of theoretical with applied counseling material will augment the department's standard doctoral research offerings. Students will engage in qualitative and quantitative research methods and complete a journal manuscript and conference proposal.

Prerequisites:

( COUN 708 Minimum Grade: B-  
AND COUN 712 Minimum Grade: B-  
AND COUN 722 Minimum Grade: B- )

**COUN 736 - Dissertation Seminar**

Credit Hours: 3.000

This course focuses on developing the essential components of the student's dissertation. This seminar is designed to assist students in making substantive progress in identifying and developing their dissertation proposal. Students will critically examine the current literature associated with their research interests and examine the current literature associated with their research interests and examine applicable conceptual constructs and methodologies. Students will complete the first drafts of the first three chapters of their dissertation, which will be used for their dissertation proposal. A complete review of the literature and draft of the dissertation proposal will be evaluated for methodological strengths and weaknesses.

Prerequisites:

( COUN 708 Minimum Grade: B-  
AND COUN 712 Minimum Grade: B-  
AND COUN 722 Minimum Grade: B-  
AND COUN 734 Minimum Grade: B- )

**COUN 737 - Doctoral Intern I-Supervision**

Credit Hours: 1.000

Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor of the doctoral advisor and the student on the basis of experience and training. Internship is designed

to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of providing individual and group supervision to master's level students, teaching and/or co-teaching master's level counseling courses, and participating in professional activities related to counselor education. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience

Prerequisites:

COUN 710 Minimum Grade: B-

**COUN 738 - Doctoral Intrnshp II Teaching**

Credit Hours: 1.000

Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of student's engaging in teaching activities, which include but are not limited to teaching master's level students on-campus/online. If doctoral students have been limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites:

( COUN 710 Minimum Grade: B-  
AND COUN 737 Minimum Grade: B- )

**COUN 739 - Doctoral Internship III Supv**

Credit Hours: 1.000

Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual

students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of providing individual and group supervision to master's level students, teaching and/or co-teaching master's level counseling courses, and participating in professional activities related to counselor education. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites:

( COUN 710 Minimum Grade: B-  
AND COUN 737 Minimum Grade: B-  
AND COUN 738 Minimum Grade: B- )

**COUN 740 - Doctoral Internship IV - Core**

Credit Hours: 3.000

Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarships, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of student's choosing from one of three doctoral core areas to complete internship hours. These include counseling, research and scholarship, leadership and advocacy. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they must also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites:

COUN 710 Minimum Grade: B-  
AND COUN 737 Minimum Grade: B-  
AND COUN 738 Minimum Grade: B-  
AND COUN 739 Minimum Grade: B-

**COUN 741 - Doctoral Internship V Teaching**

Credit Hours: 1.000

Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experience in at least three of the five doctoral core areas

(counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of student's engaging in teaching activities, which include but are not limited to teaching master's level students on-campus/online. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites:

( COUN 710 Minimum Grade: B-  
AND COUN 737 Minimum Grade: B-  
AND COUN 738 Minimum Grade: B-  
AND COUN 739 Minimum Grade: B-  
AND COUN 740 Minimum Grade: B- )

**COUN 742 - Doctoral Intern VI-Supervision**

Credit Hours: 1.000

Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experience in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designated to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of providing individual and group supervision to master's level students, teaching and/or co-teaching master's level counseling courses, and participating in professional activities related to counselor education. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience

Prerequisites:

( COUN 710 Minimum Grade: B-  
AND COUN 737 Minimum Grade: B-  
AND COUN 738 Minimum Grade: B-  
AND COUN 739 Minimum Grade: B-  
AND COUN 740 Minimum Grade: B-

AND COUN 741 Minimum Grade: B- )

**COUN 744 - Dissertation I**

Credit Hours: 3.000

This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student.

**COUN 746 - Dissertation II**

Credit Hours: 3.000

This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair ( or intended doctoral dissertation/project committee chair) will oversee the work of the student. The student in collaboration with the supervising faculty member will develop a concrete plan of work related to the student's intended dissertation/research project.

Prerequisites:

COUN 744 Minimum Grade: B-

**COUN 750 - Dissertation III**

Credit Hours: 6.000

This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the

course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student.

Prerequisites:

COUN 746 Minimum Grade: B-

**COUN 751 - Dissertation III**

Credit Hours: 3.000

This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student. The student in collaboration with the supervising faculty member will develop a concrete plan of work related to the student's intended dissertation/research project.

Prerequisites:

COUN 736 Minimum Grade: B

AND COUN 744 Minimum Grade: B

AND COUN 746 Minimum Grade: B

**COUN 755 - Dissertation IV**

Credit Hours: 3.000

This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may

register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student. The student, in collaboration with the supervising faculty member, will develop a concrete plan of work related to the student's intended dissertation/research project.

Prerequisites:

COUN 736 Minimum Grade: B  
AND COUN 744 Minimum Grade: B  
AND COUN 746 Minimum Grade: B  
AND COUN 751 Minimum Grade: B

**COUN 756 - Dissertation Continuation**

Credit Hours: 1.000

This course is a Counselor Education & Supervision doctoral degree requirement for students who have not successfully defended their dissertation after completing COUN 754 - Dissertation IV. This course allows students to continue and complete dissertations with the assistance of the dissertation committee.

Prerequisites:

COUN 736 Minimum Grade: B-  
AND COUN 744 Minimum Grade: B-  
AND COUN 746 Minimum Grade: B-  
AND COUN 750 Minimum Grade: B-  
AND COUN 754 Minimum Grade: B-

**COUN 779 - Special Topics**

Credit Hours: 1.000 TO 6.000

Special Topics in the Counselor Education.

**CRJ 102 - Intro to Criminal Justice**

Credit Hours: 3.000

This course examines the primary components of the American criminal justice system including an overview of law enforcement, courts and corrections. The interactions and distinctions of each component will be described in the context of both historical development and contemporary application.

CRJ 201 - Corrections Administration

Credit Hours: 3.000

This course examines the administration of corrections as a component of the criminal justice system. The history and development of corrections is explored, with a special focus on issues involving the care, custody and control of inmates. The development and implementation of policies and procedures to effectively manage correctional facilities will be explored.

Prerequisites:

( CRJ 102 Minimum Grade: C-  
OR CRJ 102 Minimum Grade: C-  
OR CRJ 102 Minimum Grade: T )

**CRJ 203 - Law Enforcement Operations**

Credit Hours: 3.000

This course examines the primary components of the American law enforcement agencies. The development of uniquely American policing and its specialties are explored. Origins and limitations on police power at the local, county, district, specialty, state, federal and military level and their execution are a focus. The concepts will be described in the context of both historical development and contemporary application.

**CRJ 307 - Police/Society/Community Relations**

Credit Hours: 3.000

This course examines the current issues and themes relating to the role of the police in the general community and the greater society. It provides an in-depth study of the philosophies, programs, problems, and definitions that have recently been linked in the literature to the concept of community policing. Also covered are related topics including the organizational structure of police departments, problems in policing, new theories of the effects of policing on crime, the effectiveness of community policing, and recent major changes in U.S. policing.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

**CRJ 309 - Women, Crime & Law**

Credit Hours: 3.000

A sociological examination of women who commit crime, who are victims of crime, and who work in the criminal justice system.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

**CRJ 405 - Theories of Crime Analysis**

Credit Hours: 3.000

This course is an in-depth examination of the application of analytical methods to crime data collected for use in criminal investigation, trend analysis, community policing, staffing, and other law enforcement situation. In addition, there will be identification of the tools used by crime analysts to solve real-world problems in law enforcement.

Prerequisites:

( SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T )

**CRJ 407 - Forensic Evidence**

Credit Hours: 3.000

This course focuses on the context of forensic evidence techniques and how they relate to the law. Modern techniques as well as techniques that have been used in the past will be examined. The crime scene will be looked at, the steps involved in recreating the crime scene, and collecting and testing evidence will be



explored. We will also analyze the most recent court decisions that examine the use of forensic science during the investigation and at the trial of criminal cases. Each of the topics will have cases which have set precedence for future court cases.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

OR SOC 201 Minimum Grade: C-

### **CRJ 409 - Current Issues/Criminal Justice**

Credit Hours: 3.000

This course analyzes the criminal justice process and its effects on practitioners, clients, and the public. It examines resources, organizational status, and leadership in regards to law enforcement agencies, courts and correctional settings, with particular emphasis on how leadership influences the effectiveness of the organization. The construct of bureaucracy and the major philosophical foundations of leadership are also examined.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

OR SOC 201 Minimum Grade: C-

### **CRM 500 - Philosophy, Laws, Standards**

Credit Hours: 3.000

This is the introductory course for Cultural Resource Management. It covers the history and philosophy of CRM, the heritage preservation laws that created and govern the field, and current standards and practices of the field.

### **CRM 510 - Technology and Techniques**

Credit Hours: 3.000

This course is a survey course to introduce and give experience to students to the wide variety of technologies and the necessary techniques to implement those technologies in the field and/or office in a CRM setting. Three major areas of research will be field, analysis, and data dissemination technologies. Specific techniques can be adjusted to each student's previous background and technological expertise.

### **CRM 520 - Report Writing**

Credit Hours: 3.000

Central to all good archaeology is the writing of reports. This is especially true in cultural resource management, but these reports have unique requirements. They must meet professional standards, the standards of the agencies responsible for the resources, and they must be written in a way that is understandable to the project sponsors. This course will prepare students to produce well-written reports and correspondence for this profession.

### **CRM 560 - Applied GIS/CRM Professionals**

Credit Hours: 3.000

This course will introduce students to real world applications of Geographical Information Systems (GIS) as it is used in the Cultural Resource Management (CRM) field. Students will learn from applied examples about the critical thinking needed in cartography, digital data management, spatial data collection, resource management, statistical analysis, and visual learning.

### **CRM 570 - Selected Readings in CRM**

Credit Hours: 3.000

This course permits the student to work with an instructor to develop a syllabus of readings on a topic of the student and instructor's choice that is not otherwise offered through the institution.

### **CRM 571 - Archaeological Theory**

Credit Hours: 3.000

This is an online course which will cover the central theories that have driven the field of archaeology.

### **CRM 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

This course will be developed by the instructor on topics of interest to the students in the CRM Master's Program that are not otherwise offered in the degree plan.

### **CRM 580 - Internship / CRM**

Credit Hours: 3.000

This is a practicum in cultural resource management during which the student will work on one or more actual CRM projects at least at the level of assistant project director. The work will be carried out in conjunction with a recognized CRM firm or a land managing agency.

### **CRM 591 - Thesis**

Credit Hours: 3.000

This course is the culminating experience for the MA program in which students demonstrate mastery of the discipline by producing an acceptable Master's Thesis.

### **CRM 599 - Individual Archaeological Exp**

Credit Hours: 1.000 TO 3.000

This course permits the student to receive credit for prior professional employment and/or archaeological research. The work will be presented in the form of a research report that meets professional standards.

### **CSCI 101 - Introduction to Programming**

Credit Hours: 3.000

Introduction to computer programming. Students will learn to write object-oriented, structured, event-driven code through the use of a user-friendly programming language such as Python, Alice, or Microworlds.

Prerequisites:

A02 - Minimum Score: 19

OR ACMA - Minimum Score: 085

OR MATH 099 Minimum Grade: S

### **CSCI 104 - Fundamentals of Programming**

Credit Hours: 3.000

This course is the first course in the introductory programming sequence for computer science and

information technology majors, but is suitable for non-majors interested in getting a taste of computer programming. The course covers program creation, basic control structures, variables, arithmetic expressions, functions, parameters, internal documentation, arrays and strings.

#### **CSCI 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

#### **CSCI 192 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **CSCI 199 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

#### **CSCI 202 - Progrmg/Science/Math/Engr**

Credit Hours: 3.000

Covers the fundamentals of programming in a language widely used in mathematical, scientific, and engineering disciplines. The programming language may vary each time the course is offered. Examples of languages that may be used in the course include C++, Python, and MatLab.

Prerequisites:

( MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 120 Minimum Grade: C- )

OR ( MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: T )

#### **CSCI 205 - Computer Science I**

Credit Hours: 4.000

This course is the second course in the introductory programming sequence for computer science majors.

Through the study of object design this course introduces the basics of graphical user interfaces, data types, control structures, methods, arrays, strings, files, simple graphics and fundamental algorithms. Students will also be introduced to object oriented design, polymorphism, interfaces, the concept of object abstraction, and simple design patterns.

Prerequisites:

( CSCI 104 Minimum Grade: C-

OR CSCI 202 Minimum Grade: C- )

OR ( CSCI 104 Minimum Grade: T

OR CSCI 202 Minimum Grade: T )

#### **CSCI 206 - Computer Science II**

Credit Hours: 4.000

This course is the third course in the introductory programming sequence for computer science. The course continues object oriented programming and first

concepts in object oriented software design. The course also covers classic data structures and algorithms.

Concepts covered include streams, graphs, trees, recursion, complexity classes, sorting and searching routines, basic algorithm design and analysis, threading, and generic programming.

Prerequisites:

( CSCI 205 Minimum Grade: C- )

OR ( CSCI 205 Minimum Grade: T )

#### **CSCI 224 - Discrete Concepts**

Credit Hours: 4.000

A course on the fundamentals of discrete (as opposed to continuous) processes. The course is a foundational course for students pursuing the B.S. Mathematical Sciences – Computer Science degree. The course covers a variety of discrete mathematical topics required for a solid background in computer science, including mathematical logic, set theory, induction, algorithmic complexity, combinatorics, discrete probability, basic graph theory, relations, Boolean algebra, finite state automata, and basic theory of computation.

Prerequisites:

( MATH 106 Minimum Grade: C-

AND CSCI 205 Minimum Grade: C- )

OR ( MATH 106 Minimum Grade: T

AND CSCI 205 Minimum Grade: T )

#### **CSCI 240 - Introduction to Cybersecurity**

Credit Hours: 4.000

Introduces core concepts in cybersecurity including confidentiality, integrity, authentication, risk management, web security, network security, digital forensics, social engineering and general adversarial thinking. The course contains a lab component where students will conduct a variety of security based hands-on activities using open source actual or virtual systems. At the conclusion of the course students should have hands-on experience in cybersecurity and proficiency with the open source system used for the lab.

Prerequisites:

( CSCI 104 Minimum Grade: C-

OR CSCI 104 Minimum Grade: T )

#### **CSCI 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

#### **CSCI 292 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **CSCI 299 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

#### **CSCI 307 - Prgrming Languages & Platforms**

Credit Hours: 3.000

This course will examine several of the most used programmable platforms/contexts, the programming languages that are used for each, and why each is the way it is. Specific cases and examples that will be considered are cloud computing, mobile platforms, multiprocessors, service oriented architectures, virtual machines, functional programming, logic programming, web services, security, scripting, and even a little low level programming. Students will learn about the various types of programming languages and their appropriate use as well as the use of scripting languages, architectures, application programming interfaces, and programming practices to facilitate the management, integration and security of the systems that support an organization.

Prerequisites:

( CSCI 205 Minimum Grade: C- )

OR ( CSCI 205 Minimum Grade: T )

### **CSCI 316 - Computer Architecture**

Credit Hours: 3.000

This class will introduce concepts of computer architecture and organization, including assembly level machine organization, data representation, memory systems, bus principles, digital logic, micro programs, functional machine architecture, RISC, CISC, parallel architectures and other advanced architectures. It will expose students to assembly-level programming and will make them implement assembly programs.

Prerequisites:

CSCI 206 Minimum Grade: C-

OR CSCI 206 Minimum Grade: T

### **CSCI 317 - Computer System & Architecture**

Credit Hours: 4.000

This class will familiarize students with the basic internals (inner-workings) and design of an OS as well as the core fundamental concepts. Students will learn how an OS exploits the hardware resources of one or more processors, provides a set of services to system users and manages secondary memory and I/O devices. Topics will include process, thread, scheduling, concurrency (exclusion and synchronization), deadlock (prevention, avoidance and detection), memory management, IO management, file management, virtualization and the role of an OS for realizing distributed systems. This course will also cover some security topics with respect to protecting an OS.

Prerequisites:

( CSCI 206 Minimum Grade: C- )

OR ( CSCI 206 Minimum Grade: T )

### **CSCI 325 - Algorithm Design & Analysis**

Credit Hours: 3.000

Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of

efficiency. Topics include asymptotic complexity bounds, techniques of analysis, algorithmic strategies, and an introduction to automata theory and its application to language translation.

Prerequisites:

MATH 250 Minimum Grade: C-

AND CSCI 209 Minimum Grade: C-

OR ( MATH 250 Minimum Grade: T

AND CSCI 209 Minimum Grade: T )

### **CSCI 326 - Mathematical Modeling&Sim I**

Credit Hours: 3.000

This course teaches students how to apply mathematical modeling processes, methodology and software toolsets to solve realistic and complex problems, as well as to program and perform computer simulations of mathematical models.

Prerequisites:

( MATH 220 Minimum Grade: C-

OR MATH 220 Minimum Grade: T

OR MATH 121 Minimum Grade: B

AND CSCI 104 Minimum Grade: C-

OR CSCI 202 Minimum Grade: C-

OR CSCI 205 Minimum Grade: C- )

### **CSCI 328 - Artificial Intelligence/Machine Learning**

Credit Hours: 3.000

Provides both a brief overview of the basics of artificial intelligence and machine learning, and an in-depth investigation of selected hot topics in the field. The course will examine basic and advanced search techniques, knowledge representation, machine learning and data mining, natural language processing, and historical and philosophical issues regarding artificial intelligence. The course is a project-based course that will involve implementing and experimenting with open-source machine-learning software.

Prerequisites:

( CSCI 206 Minimum Grade: C-

AND CSCI 224 Minimum Grade: C- )

OR ( CSCI 206 Minimum Grade: T

AND CSCI 224 Minimum Grade: T )

### **CSCI 335 - Foundations of Networks**

Credit Hours: 4.000

This course introduces students to computer networks. Focus is on the concepts of networking like the OSI layered network architectures, network protocols and protocol design. Topics include the fundamentals of networking and communications, network management and wireless computing. Lab sessions feature computer networking hands-on exercises. The course also exposes students to network programming through the use of sockets

Prerequisites:

CSCI 205 Minimum Grade: C-

OR CSCI 205 Minimum Grade: T

### **CSCI 336 - Mathematical Modeling & Sim I**

Credit Hours: 3.000

This course teaches students how to apply mathematical modeling processes, methodology and software toolsets to solve realistic and complex problems, as well as to program and perform computer simulations of mathematical models.

Prerequisites:

( MATH 220 Minimum Grade: C-  
OR MATH 121 Minimum Grade: B )  
AND ( CSCI 104 Minimum Grade: C-  
OR CSCI 202 Minimum Grade: C-  
OR CSCI 205 Minimum Grade: C- )

### **CSCI 341 - Web Design**

Credit Hours: 3.000

This course covers the design, implementation and testing of web-based applications including related software, databases, interfaces, and digital media. It also covers social, ethical, and security issues arising from the Web and social software. Students use these tools to turn the static pages into a powerful, interactive Web site.

Prerequisites:

( CSCI 205 Minimum Grade: C- )  
OR ( CSCI 205 Minimum Grade: T )

### **CSCI 343 - Database Systems**

Credit Hours: 3.000

Introduction to database design, implementation, security, transaction management, administration, and programming. Includes a study of embedded, relational, object-oriented, and distributed database architectures.

Prerequisites:

( CSCI 205 Minimum Grade: C- )  
OR ( CSCI 205 Minimum Grade: T )

### **CSCI 347 - Software Devel/Prof Pract I**

Credit Hours: 2.000

Combines a range of topics integral to the design, implementation, and testing of medium-scale software systems including fundamental design patterns, software development processes and project management. Students will form teams, work on two small projects during the term and create a proposal for a medium scale software system to be completed in CS348. In addition to material on software architecture and engineering, this course also includes material on professionalism and ethical responsibilities in software development and design.

Prerequisites:

( CSCI 206 Minimum Grade: C- )  
OR ( CSCI 206 Minimum Grade: T )

### **CSCI 348 - Software Devel/Prof Pract II**

Credit Hours: 2.000

The follow up course for CSCI 347 in which students will implement, with their team, a software design they created in CSCI 347. Students will experience project management and software development processes

directly. The course will focus on programming techniques and the last stages of the software development process, including design, validation, evolution, human computer interaction, using APIs, software tools and software development environments.

Prerequisites:

( CSCI 347 Minimum Grade: C- )  
OR ( CSCI 347 Minimum Grade: T )

### **CSCI 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **CSCI 392 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **CSCI 399 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **CSCI 418 - Multiprocessor Computing**

Credit Hours: 3.000

Introduction to multiprocessor programming and application development covers the principles and practice of distributed system architectures and models, interprocess communication, distributed algorithms, concurrency, security, application programming interfaces, system performance, and programming paradigms appropriate for programming of multiprocessor systems.

Prerequisites:

( CSCI 316 Minimum Grade: C-  
AND CSCI 325 Minimum Grade: C- )  
OR ( CSCI 316 Minimum Grade: T  
AND CSCI 325 Minimum Grade: T )

### **CSCI 436 - Research in Computer Science**

Credit Hours: 1.000

An independent research course. The student will work with a professor on a research project designed by the student or the professor. The student's research must result in a professional quality paper or project and a presentation before a group of peers and professors.

### **CSCI 471 - Senior Capstone I**

Credit Hours: 1.000

First-semester of a capstone course intended for senior computer science and information technology majors. In this course students will begin the development of a project to be conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of technical material appropriate to the disciplines of mathematics, computer science, and physics.

### **CSCI 472 - Senior Capstone II**

Credit Hours: 1.000

Second-semester of a capstone course intended for senior computer science and information technology majors. In this course students will continue the development of an independent project, begun in CSCI 471, and conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of a technical material appropriate to the mathematical sciences.

Prerequisites:

( CSCI 471 Minimum Grade: C- )

OR ( CSCI 471 Minimum Grade: T )

**CSCI 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**CSCI 492 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 499 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CSCI 579 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**CSCI 592 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 599 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ECE 279 - Special Topics**

Credit Hours: 3.000

Offered periodically to meet students special interests in the field.

**ECE 303 - Current Issues and Trends EC**

Credit Hours: 3.000

Students will examine social, political, economic, and educational trends and issues that influence the education of young children, both past and present. They will investigate research, practices, and positions related to the issues studied. Students will explore available models for possible solutions or resolution of issues, as well as factors that may have an impact on desired outcomes for the field.

**ECE 323 - Young Children w/Special Needs**

Credit Hours: 3.000

This course is designed to ensure that students have a firm grounding in working with students with special

needs in the early childhood setting. Needs of the child are explored through an examination of the child, family and environmental characteristics. Typical and atypical language, speech, emotional, motor and cognitive development is presented with a focus on the interdependent nature of these domains. The course will enable students to understand the importance of trans-disciplinary collaboration of educators and specialists from occupational therapy, physical therapy, speech and language, psychology and recreation and health in making educationally relevant decisions. Students become familiar with individual and group activities and strategies for implementation in the classroom and enter with a clear set of guidelines for intervention strategies with children and support for families. Ten logged and documented field hours in an approved setting are required.

Prerequisites:

PSYC 204 Minimum Grade: C

OR PSYC 204 Minimum Grade: T

**ECE 333 - Tchg/Lrng Eng Lang Lrns**

Credit Hours: 3.000

Students will discover and implement various research-based strategies and techniques used to create and support language- and culturally-rich environments for dual language learners in early childhood settings. Topics discussed in the course include: supporting first and second language emergent literacy; implementing effective classroom communication; organizing the classroom for language/culturally-responsive instruction; and of dual language learners, impact of cultural and linguistic diversity on teaching and learning; second language learning processes and milestones; issues and factors related to second language acquisition and teaching; and working with parents and families of dual language learners. Fifteen logged and documented field hours in an approved early childhood site required.

Prerequisites:

( ECE 303 Minimum Grade: C

AND ED 230 Minimum Grade: C

AND ECE 323 Minimum Grade: C

AND ECE 340 Minimum Grade: C

AND ECE 343 Minimum Grade: C

AND ECE 353 Minimum Grade: C

AND ECE 363 Minimum Grade: C

AND ECE 433 Minimum Grade: C

AND ECE 424 Minimum Grade: C

OR ED 345 Minimum Grade: C )

AND BKCK - Minimum Score: 1

**ECE 340 - Und/Wrk Diverse Fmly & Comm**

Credit Hours: 3.000

Students will be introduced to the interrelationships of family systems and will develop an awareness of the educator's role in supporting young children and their families. This course emphasizes cultural diversity,

parenting styles; environmental influences, diverse communities and resources for families. Twenty logged and documented field hours in an approved early childhood site required.

Prerequisites:

( ECE 303 Minimum Grade: C  
AND ECE 323 Minimum Grade: C  
AND ED 230 Minimum Grade: C  
OR ED 230 Minimum Grade: T )

**ECE 343 - Advocacy and Leadership in EC**

Credit Hours: 3.000

This course gives students a foundation in the theories of leadership and the concepts of supervision that are applicable in early childhood settings. Students will be expected to have opportunities to practice the various and diverse skills associated with effective supervision. This course will foster the development of early childhood stakeholder leadership skills including advocacy, supervision, accessing funding, and networking. Ten logged and documented field hours in approve ECE setting required.

Prerequisites:

ECE 303 Minimum Grade: C  
AND ECE 323 Minimum Grade: C  
AND ECE 340 Minimum Grade: C  
AND ECE 353 Minimum Grade: C  
AND ECE 424 Minimum Grade: C  
AND ECE 433 Minimum Grade: C  
AND ED 230 Minimum Grade: C

**ECE 353 - Play in Early Childhood**

Credit Hours: 3.000

In this course students explore the nature of play, and creativity, and how these are nurtured and enriched. Play theory, play research and the nature and stages of play are examined. Interrelationship between play, creativity, and development, learning, and imagination are considered. This course is designed to examine the content and methods available to facilitate children's expression through art, music, free play and dramatic play within the early childhood environment. Students will learn how to use the environment and interaction to facilitate through play the development of young children to promote growth across development domains. Fifteen logged and documented field hours in an approved early childhood site required. Field hours are tied to artifacts and proficiency of standards.

Prerequisites:

ECE 303 Minimum Grade: C  
AND ECE 323 Minimum Grade: C  
AND ECE 340 Minimum Grade: C  
AND ECE 424 Minimum Grade: C  
AND ED 340 Minimum Grade: C

**ECE 363 - Spanish for Teachers**

Credit Hours: 3.000

This course provides foundational Spanish knowledge and skills for classroom teachers in the Early Childhood program of study.

Prerequisites:

ECE 303 Minimum Grade: C  
AND ECE 323 Minimum Grade: C  
AND ECE 340 Minimum Grade: C  
AND ECE 353 Minimum Grade: C  
AND ECE 424 Minimum Grade: C  
AND ECE 433 Minimum Grade: C  
AND ED 230 Minimum Grade: C

**ECE 373 - Adv Infant & Toddler Devt**

Credit Hours: 3.000

This course provides an in-depth study of important influences on infant and toddler development, with emphasis on the role and responsibilities of parents and caregivers in creating high quality, supportive environments with sensitivity to attachment and the importance of communication skills in nurturing positive parent/teacher/child relationships. Fifteen hours of field experience are required to be logged in an approved ECE setting/Infant Toddler Room to receive credit for this class.

Prerequisites:

BKCK - Minimum Score: 1

**ECE 379 - Special Topics**

Offered periodically to meet student special interests in the field.

**ECE 399 - Individual Study**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ECE 401 - Integrated Math & Sci Mthds EC**

Credit Hours: 2.000

This course is designed to provide the student with methods and techniques for teaching mathematics and science in the early grades (K-3) along with a study of current National and Colorado State Standards for mathematics and science. This course will provide a deep understanding of the concepts covered in early learning of both content areas. Techniques for assessing student knowledge and ways of integrating mathematics and science with other disciplines will also be covered. This course is aligned with standards needed for licensure. This course is taken concurrently with ECE 402 Literacy and Language and ECE 430 K-3 Practicum ECE Senior Block. Math 155 minimum grade C or T and Math 156 minimum grade C or T, or the general education requirement for mathematics minimum grade C or T.

Prerequisites:

( ECE 303 Minimum Grade: C  
OR ECE 303 Minimum Grade: T )  
AND ( ED 230 Minimum Grade: C

OR ED 230 Minimum Grade: T  
 AND ECE 323 Minimum Grade: C  
 OR ECE 323 Minimum Grade: T  
 AND ECE 340 Minimum Grade: C  
 OR ECE 340 Minimum Grade: T  
 AND ECE 343 Minimum Grade: C  
 OR ECE 343 Minimum Grade: T  
 AND ECE 353 Minimum Grade: C  
 OR ECE 353 Minimum Grade: T  
 AND ECE 363 Minimum Grade: C  
 OR ECE 363 Minimum Grade: T  
 AND ECE 433 Minimum Grade: C  
 OR ECE 433 Minimum Grade: T  
 AND ECE 424 Minimum Grade: C  
 OR ECE 424 Minimum Grade: T  
 AND ED 345 Minimum Grade: C  
 OR ED 345 Minimum Grade: T )  
 AND BKCK - Minimum Score: 1

**ECE 402 - Comp Lang & Lit Devl**

Credit Hours: 2.000

This course in Literacy and Language Development focuses on reading and writing methodology and curricula in language development, content area literacy, vocabulary development, study skills, and inferential and critical comprehension skills. Using the reading and writing processes as basic foundations, this course will provide the balanced practices related to the implementation of literacy instruction. The course will also include and extension of children's literacy (expository) as a vehicle for exploring a variety of genres. Best practices research in the reading and writing instruction will be embedded throughout the courses. Students will also learn about individualized assessment for the diagnosis of reading and writing and spelling disabilities. This course also helps the teacher licensure candidate create a body of evidence using multiple assessments (both formal and informal) which informs the design of an Individual Literacy Plan (ILP); student study terms (SST); remediation plans; special education staffing; and instructional improvement. Additionally, the exploration of recognizing cognitive discrepancies among students; the recognition of perceptual-communicative disorders; the understanding of achievement and cognitive discrepancies; the uses and purpose of standardized testing; and the aforementioned concepts in their relationship to improving instruction and student performance will be emphasized.

Prerequisites:

BKCK - Minimum Score: 1  
 AND ( ECE 303 Minimum Grade: C  
 OR ECE 303 Minimum Grade: T  
 AND ED 230 Minimum Grade: C  
 OR ED 230 Minimum Grade: T  
 AND ECE 323 Minimum Grade: C  
 OR ECE 323 Minimum Grade: T

AND ECE 340 Minimum Grade: C  
 OR ECE 340 Minimum Grade: T  
 AND ECE 343 Minimum Grade: C  
 OR ECE 343 Minimum Grade: T  
 AND ECE 353 Minimum Grade: C  
 OR ECE 353 Minimum Grade: T  
 AND ECE 363 Minimum Grade: C  
 OR ECE 366 Minimum Grade: T  
 AND ECE 433 Minimum Grade: C  
 OR ECE 433 Minimum Grade: T  
 AND ECE 424 Minimum Grade: C  
 OR ECE 424 Minimum Grade: T  
 AND ED 345 Minimum Grade: C  
 OR ED 345 Minimum Grade: T )

**ECE 403 - K-3 Practicum ECE Senior Blk**

Credit Hours: 2.000

This course is designed to provide the student with an opportunity to learn from mentor teachers in the field and put into practice methods and techniques for teaching literacy, mathematics and science in the early grades (K-3). This course is aligned with standards need for licensure. This course is taken concurrently with ECE 402 Literacy and Language and ECE 401 Integrated Mathematics and Science Methods. Thirty logged and documented field hours in an approved early childhood site required.

Prerequisites:

( ECE 303 Minimum Grade: C  
 OR ECE 303 Minimum Grade: T  
 AND ED 230 Minimum Grade: C  
 OR ED 230 Minimum Grade: T  
 AND ECE 323 Minimum Grade: C  
 OR ECE 323 Minimum Grade: T  
 AND ECE 340 Minimum Grade: C  
 OR ECE 340 Minimum Grade: T  
 AND ECE 343 Minimum Grade: C  
 OR ECE 343 Minimum Grade: T  
 AND ECE 353 Minimum Grade: C  
 OR ECE 353 Minimum Grade: T  
 AND ECE 363 Minimum Grade: C  
 OR ECE 363 Minimum Grade: T  
 AND ECE 433 Minimum Grade: C  
 OR ECE 433 Minimum Grade: T  
 AND ECE 343 Minimum Grade: C  
 OR ECE 343 Minimum Grade: T  
 AND ECE 424 Minimum Grade: C  
 OR ECE 424 Minimum Grade: T  
 AND ED 345 Minimum Grade: C  
 OR ED 345 Minimum Grade: T )  
 AND BKCK - Minimum Score: 1

**ECE 424 - Curriculum and Instruction**

Credit Hours: 3.000

This course provides a brief overview of the educational and philosophical principles that influence early childhood curriculum (for children ages 0-8). Students

will explore in-depth components of early childhood effective instruction, theoretical bases, planning, implementation, and evaluation of all aspects related to curriculum that supports the development of the "whole child". Thirty field hours logged and documented in approved ECE required.

Prerequisites:

ECE 303 Minimum Grade: C

AND ECE 323 Minimum Grade: C

AND ED 230 Minimum Grade: C

### **ECE 425 - Student Teaching-Early Childh**

Credit Hours: 6.000 TO 15.000

The purpose of this course is to expose the student to a semester of teaching, observing, and participating in classroom related experiences in a preschool setting. The experience will be supervised by one or more cooperating teachers and coordinated by a college supervisor. For a 0-8 license in Early Childhood Education, students must teach in two different age ranges (K-2, and pre-primary: ages 3-5 years). Student teaching is counted as 640 hours of the 800 hours required by CDE.

Prerequisites:

( ECE 110 Minimum Grade: C-

AND ECE 112 Minimum Grade: C-

AND ECE 115 Minimum Grade: C-

AND ECE 320 Minimum Grade: C-

AND ECE 340 Minimum Grade: C-

AND ECE 424 Minimum Grade: C- )

AND BKCK - Minimum Score: 1

### **ECE 433 - Creating Positive Environments**

Credit Hours: 3.000

Students will study establishing a positive social climate, designing appropriate physical environments, establishing classroom rules and routines, and discussing techniques for handling challenging behaviors. There will be an emphasis on understanding factors that influence the development of various behaviors within the context of children's social and emotional development. Students will gain understanding in the guidance of social development in young children in both indoor and outdoor environments using developmentally appropriate practices. Effective family and staff interactions will also be addressed. Fifteen field hours logged and documented in approved ECE setting required. Field hours are tied to artifacts and proficiency of standards.

Prerequisites:

ECE 303 Minimum Grade: C

AND ECE 323 Minimum Grade: C

AND ECE 340 Minimum Grade: C

AND ECE 424 Minimum Grade: C

AND ED 230 Minimum Grade: C

### **ECE 443 - Dev Approp Effect Practs/Assm**

Credit Hours: 3.000

This course is designed to lead students to an understanding of the link between practice and assessment. Students will study methodologies, instruments, and procedures in assessing young children, their environments, and their programs. While studying developmentally appropriate activities and materials, students will also conduct and examination of formal and informal classroom assessment procedures, observation techniques, using data for planning, methods of action research, and standardized measurement. There will be a focus on how children represent their understanding through language, dramatic play, art, blocks, sand and water manipulatives. Considerations in choosing, administering, and reporting results of assessments will also be addressed. Fifteen logged and documented field hours in an approved early childhood site required. Field hours are tied to artifacts and proficiency of standards.

Prerequisites:

ECE 424 Minimum Grade: C

OR ECE 424 Minimum Grade: T

AND ECE 303 Minimum Grade: C

AND ECE 230 Minimum Grade: C

AND ECE 340 Minimum Grade: C

AND ECE 343 Minimum Grade: C

AND ECE 353 Minimum Grade: C

AND ECE 363 Minimum Grade: C

AND ECE 433 Minimum Grade: C

AND ED 345 Minimum Grade: C

OR ED 345 Minimum Grade: T

AND BKCK - Minimum Score: 1

### **ECE 553 - Play in Early Childhood**

Credit Hours: 2.000

In this graduate course students explore the nature of play, and creativity, and how these are nurtured and enriched. Play theory, play research and the nature and stages of play are examined. Interrelationship between play, creativity and development, learning, and imagination are deeply explored. This course is designed to examine the content and methods available to facilitate children's expression through art, music, free play and dramatic play within the early childhood environment.

### **ECE 573 - Adv Infant Toddler Development**

Credit Hours: 2.000

This graduate course provides an in-depth study of important influences on infant and toddler development, with emphasis on the responsive care. Responsive care provision in creating high quality, supportive environments with sensitivity to attachment and the importance of communication skills in nurturing positive parent/teacher/child relationships will be deeply explored. Resident placement will provide field experience in an approved ECE setting.

### **ECON 201 - Econ & Today's Society GT-SS1**



Credit Hours: 3.000

A general education course using economic thinking to better understand major issues of the nation and world. Learning how the economic behavior of individuals, families, businesses, and government, reflects their drive to meet their needs and satisfy their wants in a world of economic and environmental scarcity. This Course will help students understand the causes and potential solutions to issues such as energy scarcity, unemployment, inflation, pollution, poverty, health care, education, and other important issues.

**ECON 255 - Macroeconomics Principles**

Credit Hours: 3.000

Detailed understanding of the national economy and macroeconomic principles: including opportunity cost, production possibility curve, demand and supply, fiscal and monetary policy, market failures, and the workings of the market system. Analysis of the changes in economic policies from a now globalized economy

**ECON 256 - Microeconomics Principles**

Credit Hours: 3.000

Detailed understanding of the micro approach to the workings of the market system focusing on the individual and the firm and the economic tools needed to operate efficiently.

Prerequisites:

**ECON 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ECON 379 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

Prerequisites:

( ECON 255 Minimum Grade: D  
AND ECON 256 Minimum Grade: D )  
OR ( ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T )

**ECON 399 - Individual Studies**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites:

( ECON 255 Minimum Grade: D  
OR ECON 255 Minimum Grade: T )  
AND ( ECON 256 Minimum Grade: D  
OR ECON 256 Minimum Grade: T )

**ECON 425 - Economic Policy**

Credit Hours: 3.000

Study of the structure and functions of the U.S. economic system and the use of monetary, fiscal, and other policies to stabilize the economy. Emphasis on

historical roots and the evolution into new behavioral economic ideas as well as the complex interplay of policy and economic forces.

Prerequisites:

( ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C-  
AND MATH 104 Minimum Grade: C- )  
OR MATH 106 Minimum Grade: C- )  
OR ( ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T  
AND MATH 104 Minimum Grade: T  
OR MATH 106 Minimum Grade: T )

**ECON 433 - Managerial Economics**

Credit Hours: 3.000

Application and integration of microeconomic theory and the tools of decision science to managerial decision-making. Particular emphasis placed on the economic differences caused by monopolies, cartels, and multinational organizations and their domination of many industries. Understanding of game theory and new economic analysis tools.

Prerequisites:

( ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C-  
AND MATH 104 Minimum Grade: C- )  
OR ( ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T  
AND MATH 104 Minimum Grade: T )  
OR ( ECON 255 Minimum Grade: C-  
AND ECON 256 Minimum Grade: C-  
AND MATH 104 Minimum Grade: C- )

**ECON 479 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

Prerequisites:

( ECON 255 Minimum Grade: D  
AND ECON 256 Minimum Grade: D )  
OR ( ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T )

**ECON 499 - Individual Studies**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites:

( ECON 255 Minimum Grade: D  
AND ECON 256 Minimum Grade: D )  
OR ( ECON 255 Minimum Grade: T  
AND ECON 256 Minimum Grade: T )

**ECON 505 - Managerial Economics**

Credit Hours: 3.000

This course demonstrates how economics theory is applied to national and international managerial decision-making. The course covers topics such as

demand analysis, production and cost functions, market structure, managerial understanding of public policy, and international trade finance topics. Pre-req.- Undergraduate Economics course with a grade of C or higher.

**ECON 579 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

Prerequisites:

**ECON 599 - Individual Studies**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

Prerequisites:

**ED 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**ED 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 200 - Perspectives Teaching/Learning**

Credit Hours: 3.000

A study of school, societal and cultural issues and their influences on teaching and learning. As an introductory course, the purpose is to learn about teaching as a career choice, the historical development of American education, social and political structures in the schools, and power groups influencing educational policy. Issues of educational reform will include civil rights, students' rights, ethnic, gender and racial issues, individualizing instructions, special education, learning theory models, (inclusive of diversity issues related to electronic media) and alternative school structures. Emphasis is placed on the orientation and development of a proficient and reflective professional educator. A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office Prior to the beginning of the field experience component.

Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

BKCK - Minimum Score: 1

**ED 220 - The Exceptional Learner**

Credit Hours: 3.000

This course is designed to survey the foundations of special education, including historical, philosophical perspectives, legal issues and current trends in

instruction and programming. Students will explore the role of general education as it relates to the education of the student with exceptional needs. Emphasis will be placed on developing knowledge of various disabling conditions, available resources and educational alternatives. Students will learn about the ethical and sociopolitical influences on prevention, intervention and educational programs for students with special needs, from birth through post-secondary ages. Learning characteristics and the diverse needs of students who receive special education services will also be studied. From a pedagogically sound, as well as developmentally appropriate perspective, the similarities and differences within and between exceptionalities and typical development will be emphasized. A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office PRIOR to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

BKCK - Minimum Score: 1

**ED 230 - Lit/Language Development I**

Credit Hours: 3.000

This beginning course in reading and writing defines the relationship among a) cognitive and linguistic development, b) emergent literacy, c) the history of reading instruction, and d) the neuro-physiology and (brain research) of language learning [i.e., speaking, reading, writing, visual representation, and listening]. There is a dual focus on the process of reading and writing and the expectations at each level of proficiency and how those expectations are related to: a) phonics, b) concepts about print, c) gaining meaning from text, d) developmental stages of spelling, e) phonemic awareness, word identification, stages of graphonics and sign vocabulary, and f) the writing process. Additionally, this course will include an introduction to children's literature (narratives) as a vehicle for exploring literacy elements and integrated language arts.

Prerequisites:

BKCK - Minimum Score: 1

**ED 279 - Special Topics**

Offered periodically to meet student special interests in the field.

**ED 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 300 - Literacy & Language Dev II**

Credit Hours: 3.000

This second course in the Literacy and Language Development sequence focuses on reading and writing methodology and curricula in language development, content area literacy, vocabulary development, study skills, and, inferential and critical comprehension skills. Using the reading and writing processes as basic foundations, this course will provide the balanced practices related to the implementation of literacy instruction. The course will also include an extension of children's literacy instruction. The course will also include an extension of children's literacy (expository) as a vehicle for exploring a variety of genres. Best practices research in the reading and writing instruction will be embedded throughout the courses.

Prerequisites:

( TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

AND ED 230 Minimum Grade: C )

OR ( TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

AND ED 230 Minimum Grade: T )

### **ED 303 - Promote Healthy Environment**

Credit Hours: 3.000

This course provides students the opportunity to demonstrate mastery of health and wellness issues. Conflict resolution, mediation, nutrition, emergency protocol and first aid will be examined as they relate to developing a safe and healthy school environment. Students will develop and implement health-related curricula in both stand-alone and infusion models within the educational setting. Students will address the curricular needs of diverse students. Students will demonstrate a variety of strategies associated with assisting in a crisis situation. It is essential for school personnel to be aware and knowledgeable of student behaviors that may lead to an unsafe school environment.

Prerequisites:

BKCK - Minimum Score: 1

### **ED 304 - Sec Teaching & Learning Methods**

Credit Hours: 3.000

This course is an introduction to concepts and techniques if imparting state academic standards to middle and high school students. A study of effective teaching methods used in preparing a secondary education majors in Social Studies, English, and Business This course requires 30-40 hours of field placement.

Prerequisites:

BKCK - Minimum Score: 1

### **ED 310 - Methods/Teaching Science-Elem**

Credit Hours: 3.000

This course provides a background in constructivist, inquiry based science instruction that corresponds to the Colorado State Science Content Standards. This background prepares the student to develop and

implement student centered learning in science. Emphasis is given to the integration science into the broader curriculum, especially literacy, and to instruction strategies that support success for all students, including linguistically and culturally diverse students. This course has field lab hours, which are attached to the senior block, focusing on field-based experience related to the teaching of science in the elementary classroom. Students will have completed Gen Ed Science requirements minimum grade C or T.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

### **ED 328 - Methods/Teaching Math-Elem**

Credit Hours: 3.000

This course is designed to provide the student with methods and techniques for teaching mathematics in the elementary school along with a study of current National and Colorado State Standards for elementary school mathematics. This course will provide a deep understanding of the concepts covered in elementary school. Techniques for assessing student knowledge and ways of integrating mathematics with other disciplines will also be covered. This course has field lab hours focusing on field-based experience related to the teaching of math in the elementary classroom. 30-40 hours of Lab assignments are off-campus; students are responsible for their own transportation. The gen ed requirement for math plus one class from the following (minimum grade C or T): MATH 106, MATH 107, MATH 120, MATH 121, PSYC 211.

Prerequisites:

BKCK - Minimum Score: 1

AND ( MATH 155 Minimum Grade: C

OR MATH 155 Minimum Grade: T )

AND ( MATH 156 Minimum Grade: C

OR MATH 156 Minimum Grade: T )

OR ( MATH 104 Minimum Grade: C

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: C

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: C

OR MATH 120 Minimum Grade: T

OR MATH 121 Minimum Grade: C

OR MATH 121 Minimum Grade: T

OR MATH 150 Minimum Grade: C

OR MATH 150 Minimum Grade: T )

AND ( MATH 106 Minimum Grade: C

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: C

OR MATH 120 Minimum Grade: T

- OR MATH 121 Minimum Grade: C
- OR MATH 121 Minimum Grade: T
- OR PSYC 211 Minimum Grade: C
- OR PSYC 211 Minimum Grade: T )

**ED 340 - Methods/Teaching Math-Sec**

Credit Hours: 3.000

This course is designed to support the beginning secondary math teacher. Presuming a solid foundation of conceptual knowledge in the content area, the course emphasizes the development of a framework of instructional knowledge and skills to provide successful learning for all students. This course has 30-40 field lab hours, which are off-campus; students are responsible for their own transportation. Students must take at least 24 semester hours of credit in math.

Prerequisites:

BKCK - Minimum Score: 1

**ED 345 - Educational Psychology**

Credit Hours: 3.000

Designed to explore the background of educational psychology. Major topic areas include: research, value and utilization, student characteristics and diversity, learning theories and their application, motivation, teaching methods and practices, evaluating student learning, and standardized measurements. Students will develop increased ability to understand and assess the interrelationships of intellectual, cognitive, instructional, personality, social and cultural influences, theories, and factors as they affect the learning environments. Students will cover assessment procedures, analysis of data, legal and ethical responsibilities as part of necessary research and evaluation within the school learning environment. Emphasis is placed on developing knowledge of historical and current research and its meaning for interaction and planning in the school setting.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 350 - Methods/Teaching Science-Sec**

Credit Hours: 3.000

This course is designed to support the beginning secondary science teacher. Presuming a solid foundation of conceptual knowledge in the content area, the course emphasizes the development of a framework of instructional knowledge and skills to provide successful learning for all students. This course has 30-40 field lab hours, which are off-campus; students are responsible for their own transportation. Students are required to take at least 24 semester hours of credit in math and/or science (minimum grade C- or T).

Prerequisites:

BKCK - Minimum Score: 1

**ED 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**ED 392 - Workshops**

Credit Hours: 0.500 TO 5.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ED 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 404 - Literacy and Language Dev III**

Credit Hours: 2.000

This third course in the Literacy and Language Development sequence focuses on individualized assessment for the diagnosis of reading and writing and spelling disabilities. This course also helps the teacher licensure candidate create a body of evidence using multiple assessments (both formal and informal) which informs the design of an Individual Literacy Plan (ILP); student study teams (SST); remediation plans; special education staffings; and, instructional improvement. Additionally, the exploration of recognizing cognitive discrepancies among students; the understanding of achievement and cognitive discrepancies; the uses and purposes of standardized testing; and the aforementioned concepts in their relationship to improving instruction and student performance will be emphasized. This course has field lab hours, which are off-campus; students are responsible for their own transportation.

Prerequisites:

( TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

AND ED 230 Minimum Grade: C

AND ED 300 Minimum Grade: C )

OR ( TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

AND ED 230 Minimum Grade: T

AND ED 300 Minimum Grade: T )

**ED 405 - Literacy & Language Dev III**

Credit Hours: 3.000

This third course in the Literacy and Language Development sequence focuses on individualized assessment for the diagnosis of reading and writing and spelling disabilities. This course also helps the teacher licensure candidate create a body of evidence using multiple assessments (both formal and informal) which informs the design of an Individual Literacy Plan (ILP); student study teams (SST); remediation plans; special education staffings; and instructional improvement. Additionally, the exploration of recognizing cognitive discrepancies among students; the understanding of achievement and cognitive discrepancies; the uses and purposes of standardized testing; and the aforementioned concepts in their relationship to improving instruction

and student performance will be emphasized. A 20-hour, supervised, field-based experience is a course requirement. Elementary licensure candidates will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office PRIOR to the beginning of the field experience component. This is a requirement, not an option. This course is offered through Extended Studies through the REAP program only.

Prerequisites:

( ED 300 Minimum Grade: C

AND ED 230 Minimum Grade: C

AND TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1 )

OR ( ED 300 Minimum Grade: T

AND ED 300L Minimum Grade: T

AND ED 230 Minimum Grade: T

AND TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1 )

**ED 410 - Class Instruct/Mngmnt**

Credit Hours: 3.000

This course is designed to introduce candidates for licensure to basic theory and principles of practice in the area of classroom management and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to evaluation and planning to successfully deal with management in the classroom.

Additional focus will be on the successful management of time, communication, and record-keeping procedures that support and enhance student learning. Additionally candidates for licensure will design a management plan for a specific grade level. This data will be added to the portfolio initiated in the Perspectives Teaching and Learning course. A 20-hour, supervised field-based experience must be completed as a course requirement. This course is offered through Extended Studies through the REAP program only.

Prerequisites:

TEPP - Minimum Score: 1

**ED 414 - Class Instruct/Mngmnt - Elem**

Credit Hours: 2.000

This course is designed to introduce elementary licensure candidates to basic theory and principles of practice in the areas of classroom instruction, classroom management, and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to the design and implementation evaluation and planning to successfully deal with management in the classroom. Additional focus will be on classroom instruction that promotes student achievement, the successful management of time, communication, and record keeping procedures that support and enhance student learning. Additionally, licensure candidates will design a management plan. This course had field lab

hours, which are off-campus; students are responsible for their own transportation. Prerequisites: admitted to Teacher Education Preparation Program, score of 1 and background check completed, score of 1.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 416 - Sec/K-12 Class Instruct/Mngmnt**

Credit Hours: 2.000

This course is designed to introduce licensure candidates to basic theory and principles of practice in the areas of classroom instruction, classroom management, and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to the design and implementation evaluation and planning to successfully deal with management in the classroom. Additional focus will be on classroom instruction that promotes student achievement, the successful management of time, communication, and record keeping procedures that support and enhance student learning. Additionally, licensure candidates will design a management plan.

This course had field lab hours, which are off-campus; students are responsible for their own transportation.

Prerequisites: admitted to Teacher Education Preparation Program, score of 1 and background check completed, score of 1.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 420 - Ed Practices/Assessment**

Credit Hours: 3.000

This course is designed to assist the elementary licensure candidate in learning the theoretical foundations, skills and strategies to assess students in ways that inform instruction and improve learning. Candidates will explore the purposes of assessment, learn when and how to use a variety of assessment methods, learn to construct valid classroom instruments (i.e. selected-responses, constructed-response, and performance assessments), learn how to minimize assessment bias, and use appropriate accommodations that ensure student learning in a standard-based curriculum. A 20-hour, supervised, field-based experience must be completed as a course requirement. This course is offered through Extended Studies through the REAP program only.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 424 - Elem Ed Practices/Assessment**

Credit Hours: 2.000

The Teacher Education Program portfolio will be continued in this course. The required elements for the program portfolio will include student constructed assessment tools, a standard-based mini unit, electronic data on alternative assessments and an assessment

reporting profile. This course had field lab hours, which are off-campus; students are responsible for their own transportation.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 426 - Sec/K-12 Ed Practice/Assmnt**

Credit Hours: 2.000

This course is intended to assist the secondary licensure candidate in learning the theoretical foundations, skills and strategies to assess students in ways that inform instruction and improve learning. Candidates will explore the purposes of assessment, learn when and how to use a variety of assessment methods, learn to construct valid classroom instruments (i.e. selected-response, constructed-response and performance assessments), learn how to minimize assessment bias, and use appropriate accommodations that ensure student learning in a standard-based curriculum. This course had field lab hour, which are off-campus; students are responsible for their own transportation.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 429 - Content Area Literacy**

Credit Hours: 2.000

Approaches and strategies for teaching secondary reading in various subject areas. Topics include textbook selection and readability, comprehension skills, study skills, and meeting needs of diverse student populations.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 434L - Field Experience Lab - Elem**

Credit Hours: 3.000

Senior Block component. Labs scheduled one day per week, eight hours per day. Students complete field hours as arranged by the Teacher Education office. Reflections and proficiencies demonstrated during this experience meet requirements for evidences related to concurrent (senior block) courses. Supervision is provided by senior block course instructors. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 435 - Student Teaching-Elementary**

Credit Hours: 1.000 TO 15.000

Corresponds with the public school calendar for one full semester. Student teacher candidates must pass state required field content examination, (i.e., the Program for Licensing Assessments for Colorado Educators (PLACE) or Praxis II content exam) prior to the student

teacher semester. This field experience provides student teachers with comprehensive experience. Students must complete all components explained in the Student Teaching Handbook. An Educational Field Experience Team will help student teacher acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating mentor teacher, the college field supervisor, the building principal, and the classroom students. The student teaching experience requires a minimum of 640 hours of contact time.

Prerequisites:

TEPP - Minimum Score: 2

AND BKCK - Minimum Score: 1

**ED 436L - Field Experience Lab-Sec/K-12**

Credit Hours: 3.000

Senior block component. Labs scheduled one day per week, eight hours per day. Students complete field hours as arranged by the Teacher Education office. Reflections and proficiencies demonstrated during this experience meet requirements for evidences related to concurrent (senior block) courses. Supervision is provided by senior block course instructors. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites:

TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**ED 445 - Student Teaching-Secondary**

Credit Hours: 1.000 TO 15.000

Corresponds with the public school calendar for one full semester. Student teacher candidates must pass state required field content examination, i.e. (the Program for Licensing Assessments for Colorado Educators (PLACE) or Praxis II content exam) prior to the student teacher semester. This field experience provides student teachers comprehensive experience. Students must complete all components explained in the Student Teaching Handbook. An Educational Field Experience Team will help the student teacher acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating mentor teacher, the college field supervisor, the building principal, and the classroom students. The student teaching experience requires a minimum of 640 hours of contact time.

Prerequisites:

TEPP - Minimum Score: 2

AND BKCK - Minimum Score: 1

**ED 455 - Student Teaching K-12**

Credit Hours: 1.000 TO 15.000

Corresponds with the public school calendar for one full semester. Student teacher candidates must pass state

required field content examination, (i.e., the Program for Licensing Assessments for Colorado Educators (PLACE) or Praxis II content exam) prior to the student teacher semester. This field experience provides student teachers comprehensive experience. Students must complete all components explained in the Student Teaching Handbook. An Educational Field Experience Team will help student teacher candidates acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher candidate, the cooperating mentor teacher, the college field supervisor, the building principal, and the classroom students. The student teaching experience requires a minimum of 640 hours of contact time.

Prerequisites:

TEPP - Minimum Score: 2

AND BKCK - Minimum Score: 1

### **ED 478 - Special Topics**

Credit Hours: 3.000

This course is designed to provide the secondary licensure candidate with focused application and discussion of the skills and strategies needed to effectively teach in the content area. This course is a pre-requisite to the secondary Post-Baccalaureate Licensure (PBL) program of study. Topics will vary according to the emphasis area of the candidate: business, foreign language (Spanish), English, math, science, or social studies.

### **ED 478L - Field Experience Lab**

Credit Hours: 5.000

Lab hours in degree programs are assigned within the syllabi of the courses in which the hours are assigned. There is no syllabus for this lab course.

### **ED 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **ED 492 - Workshops**

Credit Hours: 0.500 TO 5.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **ED 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **ED 500 - Culture of the Valley**

Credit Hours: 3.000

This course surveys the various cultures of the San Luis Valley and the characteristics of schooling among various cultural groups of the San Luis Valley.

### **ED 501 - Perspect in Teach and Learning**

Credit Hours: 3.000

This course is a study of school, societal and cultural issues and their influences on teaching and learning. As an introductory course, the purpose is to learn about teaching as a career choice, the historical development of American education, social and political structures in the schools, and power groups influencing educational policy. Issues of educational reform will include civil rights, students' rights, ethnic, gender and racial issues, individualizing instructions, special education, learning theory models, (inclusive of diversity issues related to electronic media) and alternative school structures. Emphasis is placed on the orientation and development of a proficient and reflective professional educator.

### **ED 502 - The Exceptional Learner**

Credit Hours: 3.000

This course is designed to survey the foundations of special education, including historical, philosophical perspectives, legal issues and current trends in instruction and programming. Students will explore the role of general education as it relates to the education of the student with exceptional needs. Emphasis will be placed on developing knowledge of various disabling conditions, available resources and educational alternatives. Students will learn about the ethical and sociopolitical influences on prevention, intervention and educational programs for students with special needs, from birth through post-secondary ages. Learning characteristics and the diverse needs of students who receive special education services as well students who culturally and linguistically diverse will also be studied. From a pedagogically sound, as well as developmentally appropriate perspective, the similarities and differences within and between exceptionalities and typical development will be emphasized.

### **ED 503 - Prin Lic Tools/Skills I**

Credit Hours: 3.000

This course is an introduction to the Principal Licensure program with assessment components, grounded in the Colorado's Principal Quality Standards, Strategic, Instructional, School Culture and Equity, Human Resource, External Development and Leadership around Measures of Student Learning and introduction to the Action Research project needed for the accumulation of the Principal Licensure program. Candidates will be expected to critically examine each of the Principal Quality Standards personnel policies within their own districts and make recommendations for improving such policies based on current research and best practice.

### **ED 504 - Methods of Tching& Lrning**

Credit Hours: 3.000

Students will examine constructivist theory and mindset specific to instructional methods for a selected content area. This class will provide opportunities for observing, standards based lesson and unit planning, teaching

lessons, and assessment for understanding in support of the student's field experience. This will include working with students individually, in small groups, and with the whole classroom.

### **ED 505 - Schools and Society**

Credit Hours: 3.000

This course will research the role of schools in communities to include: The school as government, school safety and security, the school leader as a social justice advocate, the school leader's role in equitable assessment and instructional practices. An overarching theme of this course is to produce leaders who are responsive and involved within the surrounding communities that the school leader serves in.

Prerequisites:

ED 503 Minimum Grade: B

### **ED 506 - Tchr Fellow/Apprenticeship I**

Credit Hours: 3.000

The Teacher Fellowship/Apprenticeship I course will support preservice and beginning teachers in developing their art of teaching through field-based experiences focused on the planning, teaching, and learning cycle. Candidates will collaborate with mentors and field supervisors to develop their effectiveness in demonstrating mastery of and pedagogical expertise in the content they teach, establishing a safe, inclusive and respectful learning environment for a diverse population of students, planning and delivering effective instruction and creating an environment that facilitates learning for their students, reflecting on their practice, and demonstrating leadership.

### **ED 507 - Integrated Instr & Assessment**

Credit Hours: 3.000

This course supports candidates in aligning their beliefs and values to develop their teaching identity. Metacognitive processes will help candidates be aware of their own motives and empower them to actively participate in their own learning as they begin to develop their art of teaching. Candidates will design a sequence or unit of study following the Understanding by Design framework which includes digging deeper into formative and summative assessments and interpreting assessment data to teach responsively. Alternative methods of facilitating instruction and assessing student performance and understanding will be investigated and implemented to increase the candidate's understanding of their students' abilities, interests, and needs. Candidate's will also discover strategies for fostering successful community partnerships.

### **ED 508 - School Law**

Credit Hours: 3.000

This course will provide an opportunity for administrative candidates to enhance their knowledge of Colorado School Law, educational legal issues through the study of case law, legal case brief, teachers union,

collective bargaining, SB 191, IDEA, bullying, school board policy, technology policies, legal representation, student rights, and special education.

Prerequisites:

ED 503 Minimum Grade: B

### **ED 509 - Fiscal Management**

Credit Hours: 3.000

Current funding formula for public schools will be examined, along with, Colorado's Long Bill, Joint Budget Committee (JBC), Colorado House Senate Committee, needs based and zero based budget principles, local school board fiscal policies, school board budgets, financing school facilities, human resource funding and technology. Student's will review the district's budget, grants, Title Program Funding, and state and non state revenue sources to provide enhancement to the instructional process. Students will demonstrate knowledge of school district policies regarding financing school facilities, pupil funding, state funding, free and reduced lunch program, property taxes, bus transportation, food service and collective bargaining.

Prerequisites:

ED 505 Minimum Grade: B

AND ED 508 Minimum Grade: B

AND ED 515 Minimum Grade: P

### **ED 510 - Personnel Management**

Credit Hours: 3.000

This course will focus on the management of school personnel and the challenges associated with balancing managerial and instructional leadership. Candidates will develop skills in supporting school personnel through policies and practices that support documentation, due process and data based decision-making. Other course topics include recruitment and retention of personnel, hiring practices, performance evaluation, collective bargaining and legal issues related to due process and termination of employees. Candidates will be expected to critically examine personnel policies within their own districts and make recommendations for improving such policies based on current research and best practice.

Prerequisites:

ED 505 Minimum Grade: B

AND ED 508 Minimum Grade: B

AND ED 515 Minimum Grade: P

### **ED 511 - Methods of Tching Science-Elem**

Credit Hours: 3.000

This graduate course promotes an inquiry-based, constructivist approach for teaching science in elementary classrooms. Residents in this course will support the meaningful integration of science, technology, engineering and mathematics. The course aims to enhance the theoretical background, and pedagogical knowledge and skills in science essential for prospective teachers to be successful in their classrooms.



This includes being able to address the needs of diverse populations especially culturally and linguistically diverse students.

**ED 513 - Promoting Healthy & Safe Env**

Credit Hours: 3.000

This course supports teachers in developing practical and effective approaches to various forms of student assessment. Students will make distinctions between formative and summative assessments. Pre-service teachers will learn various approaches to gathering student and teacher feedback to facilitate students' learning and guide instruction. The course will explore grading systems that are consistent, reliable, and valid. This course has field lab hours, which are off-campus; students are responsible for their own transportation.

Prerequisites:

**ED 514 - Curric/Data Coll/Schools & Soc**

Credit Hours: 4.000

This course addresses key areas of curriculum, instruction, data collection, Colorado's Educational Standards, Colorado's Workforce Readiness Act, personnel management, building level assessment and school safety.

**ED 515 - Principal Licensure Intern I**

Credit Hours: 1.000

During this 50 hour internship, field experience under the supervision of two building principals, one of which cannot be the building where the candidate is currently working or has worked, candidates will demonstrate competencies in the subject areas of Colorado Academic Standards, schools and society. \*This course will also introduce administrative candidates to Action Research Project. \*Students will pick a topic of educational interest or importance to be completed by the end of the endorsement \*Students will be introduced to the IRB process and research procedures \*Students will choose relevant educational topic(s) \*Students will submit topic for approval (faculty and university) The principal internships will supplement the research and IRB process.

Prerequisites:

ED 503 Minimum Grade: B

**ED 516 - Administrator 3.04 Intern I**

Credit Hours: 2.000

This course equips candidates with foundations of School Law and Fiscal Management. Candidates must demonstrate a mastery of education legal issues through the study of case law and current legal fiscal issues.

**ED 519 - Culture and Communities**

Credit Hours: 3.000

This course surveys the roles of diverse cultures and communities in teaching and learning across the state of Colorado. By combining multicultural educational and community-based theory with practices of action planning around community engagement, students will

develop the skills necessary to become leaders in their respective schools, while improving access to educational opportunities for all students and families.

**ED 520 - Tchr Fellow/Apprenticeship II**

Credit Hours: 3.000

The Teacher Fellowship/Apprenticeship II course will continue to support preservice and beginning teachers in refining their art of teaching through field-based experiences focused on the planning, teaching, and learning cycle. Candidates will collaborate with mentors and field supervisors to develop their effectiveness in demonstrating mastery of and pedagogical expertise in the content they teach, establishing a safe, inclusive and respectful learning environment for a diverse population of students, planning and delivering effective instruction and creating an environment that facilitates learning for their students, reflecting on their practice, and demonstrating leadership.

**ED 521 - Foundations of Literacy**

Credit Hours: 3.000

This course work provides K-12 classroom teachers with basic knowledge of a balanced literacy and content area literacy approach to instruction. This course will build upon and expand the teacher's knowledge of learning theory, methods and materials for developing literacy, historical and current trends in literacy instruction, and also provide a research base for classroom organization and selection and management of instructional resources.

**ED 522 - Diagnosis & Assmnt of Literacy**

Credit Hours: 3.000

This course is designed to aid K-12 teachers in developing both knowledge and proficiency in diagnostic reading techniques and also in planning and delivering instructional programs for developmental readers, struggling readers and proficient readers. The course focuses on applying research based assessment models and strategies in both elementary classrooms and secondary content area instruction.

**ED 523 - Lit Strategies f/Div Learners**

Credit Hours: 3.000

This course is designed to assist teachers in the mainstream classroom in improving literacy learning for all students, especially those who are now least served. Course content will include the practical application of theory to literacy instruction in classrooms of the 21st century. These cultural, racial, ethnic, gender, religious, socioeconomic, and learning diversities found in "real" classrooms will be explored relative to the real and perceived role that those differences have on students' literacy learning. The course will focus on developing teachers' ability to effectively meet the literacy needs of English language learners, special education students and gifted students in the mainstream classroom.

**ED 524 - Content Area Literacy**

Credit Hours: 3.000

Approaches and strategies for teaching secondary reading in various subject areas. Topics include text selection and readability, comprehension skills, study skills, and meeting needs of diverse student populations.

**ED 525 - Principal Licensure Intern II**

Credit Hours: 1.000

During this 50 hour internship, field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked) candidates will demonstrate competencies in the subject areas of finance and school law. This course will also continue with administrative candidates Action Research Project.

Prerequisites:

ED 505 Minimum Grade: B

AND ED 508 Minimum Grade: B

AND ED 515 Minimum Grade: P

**ED 526 - Readers Writers Workshop**

Credit Hours: 1.000

This course is designed to provide teachers with the tools and knowledge to develop a plan for implementing Readers Writers Workshop in their classroom. Teachers will learn how to plan, facilitate, manage, and assess both reading and writing workshops in the classroom. Reading and transacting with texts and writing using the process approach will be the main focus.

**ED 527 - Internship in Literacy**

Credit Hours: 6.000

Each candidate for the endorsement in Literacy is required to complete an internship in a classroom at the appropriate level (Elementary, Secondary, or K-12) depending on the candidate's license. Practice experiences may include the following instruction settings or a combination of the following instruction settings self-contained classroom setting, reading or early literacy classes, secondary reading classes, summer school or migrant school, tutoring students in reading, curriculum development activities, assessment or diagnostic activities related to literacy, peer coaching/seminar sessions, or other activities as approved.

**ED 528 - Managing Curr/Instruct/Assess**

Credit Hours: 3.000

This course will prepare school leaders to manage the curriculum, instruction and assessment procedures within a school district by analyzing, reviewing and discussing the following key topics: the management of curriculum, curriculum development and revision, state teaching standards, units of study, pacing of instruction and UBD, management of assessment, Colorado school view, data collection, state and district assessments, Response to Intervention and progress monitoring, management of research based instruction, current technologies for school management, professional development, community awareness and responsiveness,

teaching strategies, evaluation of teaching and collaborative planning, the management of achievement for special populations, differentiated instruction, collaborative planning, team building and team consensus, principal responsibilities, strategic planning, unified improvement planning and accountability.

Prerequisites:

ED 509 Minimum Grade: B

AND ED 510 Minimum Grade: B

AND ED 525 Minimum Grade: P

**ED 529 - Instruct/Improve Supervision**

Credit Hours: 3.000

This course will prepare students for the supervision and evaluation of PreK-12 teachers in addition to utilizing reflection for the professional growth of teachers to enhance the academic achievement of PreK-12 students. Students will gain an understanding of how to oversee and support day to day teaching and assessment to include professional development, professional learning communities, mentoring programs, administration expectations and administration/teacher accountability.

Prerequisites:

ED 509 Minimum Grade: B

AND ED 510 Minimum Grade: B

AND ED 525 Minimum Grade: P

**ED 530 - Educ Philosophy & Foundations**

Credit Hours: 3.000

This course offers a study of the principles, purpose, and goals of education. Philosophical perspectives on the role of education from the ancient to contemporary times will be presented. The focus is on the practical application of philosophy to classroom teaching. Units within the course include (1) Metaphysics: What should we teach? (2) Epistemology: How should we teach? and (3) a thorough investigation of a wide-range of teaching strategies derived from the philosophical literature.

**ED 531 - Building Level Assessment**

Credit Hours: 2.000

Building level situational and comparative analysis of assessment orientations; due process; building level records & information management; progress documentation & communication; HS/MS/EL schedule variables; and the development of related situational improvement plans.

Prerequisites:

ED 509 Minimum Grade: B

AND ED 510 Minimum Grade: B

AND ED 513 Minimum Grade: B

**ED 533 - Prin Lic Tools/Skills II**

Credit Hours: 3.000

During this 50 hour internship, field experience under the supervision of two building principals (one of which cannot be in the building where the candidates is currently working or has worked) candidates will demonstrate competencies in the subject areas of

managing curriculum, instruction and assessment, supervision for improvement of instruction and building level assessment. Each area will include reflection papers and 50 hours of logged internship during the semester. This course will also continue with administrative candidates Action Research Project.

Prerequisites:

ED 505 Minimum Grade: B

AND ED 508 Minimum Grade: B

AND ED 509 Minimum Grade: B

AND ED 510 Minimum Grade: B

### **ED 534 - Multicultural Perspectives**

Credit Hours: 3.000

This course provides students with an overview of the role of cultural diversity in the classroom and its effect on teaching and learning. While exploring issues of race, class, culture, and power, students will develop a deeper understanding of school demographics, perspectives on teaching and learning and the interaction between pedagogy and culture. Students will gain an understanding about the effects of different social, cultural, linguistic, and cognitive experiences on learner development, the impact this can have on their choices as teachers and leaders.

### **ED 535 - Principal Licensure Internship 3**

Credit Hours: 1.000

During this 50 hour internship, field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked) candidates will demonstrate competencies in the subject areas of managing curriculum, instruction and assessment, supervision for improvement of instruction and building level assessment. Each area will include reflection papers and 50 hours of logged internship during the semester.

Prerequisites:

ED 533 Minimum Grade: B

### **ED 536 - School Law & Fiscal Management**

Credit Hours: 4.000

This course equips candidates with foundations of School Law and Fiscal Management. Candidates must demonstrate a mastery of education legal issues through the study of case law and current legal fiscal issues.

### **ED 537 - Administrator 3.04 Intern II**

Credit Hours: 2.000

This internship allows the candidate to document proficiencies in the subject areas of School Law and Fiscal Management.

### **ED 538 - Child/Adolescent Development**

Credit Hours: 3.000

This course is designed for students pursuing a career in teaching. While students will learn about the theories and principles of child and adolescent development and learning, they will do so considering the applications in

educational settings. Development and learning are examined as part of the decision making process regarding instruction, curriculum, learning environments, student motivation, classroom management, assessment, and technology. The role of context and culture is an underlying theme.

### **ED 539 - Methods of Teaching Math & Sci**

Credit Hours: 3.000

Students will examine the theories of teaching math and science. This class provide opportunities for observing, preparing, and teaching lessons as well as for assessing learning. This will include working with students individually, in small groups, and with the whole classroom.

### **ED 540 - Intro to Leadership Studies**

Credit Hours: 3.000

An introductory course to meet Colorado standards 6.02, 6.03, 6.09. The administrator candidate will identify and critique (1) theories of leadership and their application to various school environments and educational trends, (2) various ethical frameworks and perspectives on ethics, (3) models of moral leadership, and (4) models and strategies of the change process. The student will develop an educational philosophy or platform. Colorado standards 6.02, 6.03, 6.05.

### **ED 541 - Standards-based Education**

Credit Hours: 3.000

Participants will study the concept of standards-based education as a means of educational reorganization and reform. In addition, they will be able to apply this conceptual knowledge to the design and implementation of standards-based practices in their classroom and schools.

### **ED 542 - Literacy & Language Devl II**

Credit Hours: 3.000

This graduate course is a second course in the Literacy and Language Development sequence and focuses on reading and writing methodology and curricula in language development, content area literacy, vocabulary development, study skills, and, inferential and critical comprehension skills. Using the reading and writing processes as basic foundations, this course will provide the balanced practices related to the implementation of literacy instruction. The course will also include an extension of children's literacy (expository) as a vehicle for exploring a variety of genres. Best practices research in the reading and writing instruction will be embedded throughout the courses

### **ED 544 - Sec Clsrm Inst/Management**

Credit Hours: 3.000

This course is designed to introduce licensure candidates to basic theory and principles of practice in the areas of classroom instruction, classroom management, and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to the design and

implementation evaluation and planning to successfully deal with management in the classroom. Additional focus will be on classroom instruction that promotes student achievement, the successful management of time, communication, and record keeping procedures that support and enhance student learning. Additionally, licensure candidates will design a management plan.

#### **ED 545 - Principal Licensure Internship 4**

Credit Hours: 3.000

During this 150 hour internship, field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked) candidates will demonstrate in a culminate final interview, competencies in the subject areas of schools and society, school law, fiscal management, personnel management, curriculum and instruction, assessment, supervision and building management. During this internship, candidates will write reflection papers, one on each topic and log 150 hours of internship during the semester. This course has the accumulation of the final/capstone presentation of the students Action Research Project.

Prerequisites:

ED 535 Minimum Grade: P

#### **ED 546 - Curriculum & Instruction**

Credit Hours: 3.000

This course addresses curriculum reform and improvement of instructional standards. As traditional views of education are abandoned through investigation of curricular issues, the skills of thinking and problem solving will replace discrete subject areas as the core of the curriculum, which will lead to changes in instruction and assessment. The focus for this course will be on the major areas that influence curriculum: philosophy, educational anthropology, standards, subject-matter integration, cultural pluralism cross-subject curricula, the nature of knowledge, human development, and social forces.

#### **ED 547 - Resiliency: Thriving & Surviving**

Credit Hours: 3.000

Resiliency: Thriving and Surviving focuses on understanding and building resilience. Candidates will reflect on what they already know about resilience, explore current thinking regarding resilience, investigate why resilience matters and how it can be facilitated, and identify supports they have for facilitating resilience in their personal and professional lives.

#### **ED 548 - Secondary Practices & Assessment**

Credit Hours: 3.000

This course supports pre-service teachers in developing practical and effective approaches to various forms of student assessment. Candidates will make distinctions between formative and summative assessments. Pre-service teachers will learn various approaches to gathering student and teacher feedback to facilitate

students' learning and guide instruction. The course will explore grading systems that are consistent, reliable, and valid.

#### **ED 549 - Educating Diverse Learners**

Credit Hours: 3.000

The faculty of Graduate Teacher Education is committed to preparing candidates for the Master's degree who demonstrate the knowledge, skills, and dispositions that will enable them to effectively meet the needs of all students in the schools of the 21st century. This core course is designed for future principals, teachers, counselors, special educators, and teachers of the linguistically different.

#### **ED 550 - Curriculum & Assessment**

Credit Hours: 3.000

This course provides a general foundation of knowledge skills, and principles in curriculum and assessment. Through this course, candidates will focus on the major influences on curriculum and the concomitant development of valid and reliable assessments that will allow educators to make formative and summative judgments regarding the curriculum. A major emphasis will be on developing assessment skills and competencies that promote the learning of children and youth.

#### **ED 551 - Supervise/Personnel & Programs**

Credit Hours: 3.000

This class will emphasize the relationship between teaching appraisal and the need for continuous personal professional development. Among the major topics examined in this course will be the establishment of a mentor program, a critical understanding of the clinical evaluation process, termination and non-renewal process, legal aspects of personnel and program management, management of student services programs, community involvement in program development and assessment, principles of learning, discipline and safe school policies, and an understanding of the various evaluation models found in teaching.

#### **ED 553 - Systems Theory & Leadership**

Credit Hours: 3.000

In this course students will begin to understand the systems in school districts that contain interconnected parts, and complex webs of interactive loops. Systems thinking is often difficult. School systems are so complex that it is difficult for school leaders to be certain they are truly understanding and considering all of the elements of the system when making changes. Systems thinking applied to educational organizations involves a large element of sense making regarding their experiences in school districts.

#### **ED 555 - Ed Political/Organizational Theory**

Credit Hours: 3.000

This course will concentrate on fiscal management and the political arena where the decisions on management

are made. Particular emphasis in this class will include equity in funding, efficiency, adequacy of funding, and policy responses. Students will be made aware of the political climate/theory both in the micro and macro frameworks of the American public education systems.

**ED 556 - What Writers Need**

Credit Hours: 3.000

This course is designed to aid K-12 teachers in developing both knowledge and proficiency in demonstrating skills necessary to implement writing instruction practices successfully for all learners including students with special needs and culturally and linguistically diverse learners. The course focuses on Common Core State Standards for Writing with an emphasis in connecting writing to reading.

**ED 557 - Research Methods**

Credit Hours: 3.000

Research methods is designed to provide candidates in the program with background knowledge of quantitative and qualitative research methods. The course will help candidates evaluate the appropriateness of each method when designing a research project. Candidates will develop mini- proposals for each type of research in preparation for implementing and reporting on their own research project.

**ED 558 - Action Research II with CRP**

Credit Hours: 3.000

Action Research I & Action Research II are designed to provide residents in the program with practical knowledge and skills to design, implement, and report on action research conducted in a classroom. In these courses, residents will act as teacher-researchers in order to explore issues that impact the achievement of culturally and linguistically diverse learners. An overarching goal is to prepare educators to systematically investigate a relevant aspect of their instructional and professional practice. These courses will allow residents to use functional research tools that can inform their practice and address challenges in meeting student needs that can lead to better teaching & learning in the classroom.

**ED 560 - Educational Psychology**

Credit Hours: 3.000

This course supports teachers in developing practical and effective approaches to various forms of student assessment. Students will make distinctions between formative and summative assessments. Pre-service teachers will learn various approaches to gathering student and teacher feedback to facilitate students' learning and guide instruction. The course will explore grading systems that are consistent, reliable, and valid. This course has field lab hours, which are off-campus; students are responsible for their own transportation.

**ED 561 - Literacy/Language I - Elem**

Credit Hours: 3.000

This is a graduate level course in reading and writing that defines the relationship among a) cognitive and linguistic development, b) emergent literacy, c) the history of reading instruction, and d) the neuro-physiology and (brain research) of language learning [i.e., speaking, reading, writing, visual representation, and listening].

**ED 563 - Content Area Literacy - Sec**

Credit Hours: 3.000

This is a graduate level course that covers approaches and strategies for teaching secondary reading in various subject areas. Topics include textbook selection and readability, comprehension skills, study skills, and meeting needs of diverse student populations.

**ED 564 - Methods of Teaching Math-Elem**

Credit Hours: 3.000

This graduate level course is designed to provide the candidate with methods and techniques for teaching mathematics in the elementary school along with a study of current National and Colorado State Standards for elementary school mathematics.

**ED 566 - Special Populations/Programs**

Credit Hours: 3.000

This course consists of a combination of instructor-led activities and group presentations by students. Public school personnel directly responsible for some of the special programs will serve as resource persons. Special programs within the scope of this course include all federal and state funded programs that address the needs of special populations.

**ED 567 - Methods of Teaching Math - Sec**

Credit Hours: 3.000

This course is designed to support the beginning secondary math teacher. Presuming a solid foundation of conceptual knowledge in the content area, the course emphasizes the development of a framework of instructional knowledge and skills to provide successful learning for all students. Students must take at least 24 semester hours of credit in math.

**ED 568 - Methods/Teaching Science-Sec**

Credit Hours: 3.000

This course provides a background in constructivist, inquiry-based science instruction for middle school and high school students that corresponds to the P-12 CO Science Education Standards. Pre-service students will gain expertise in planning standards-based science instruction, science teaching strategies and assessment bringing coherence to the activities of science teaching and learning. Utilizing materials, resources and technology that support secondary science education, pre-service teachers will learn to integrate inquiry-based, project and problem-based teaching models and collaborative strategies into long-term and daily secondary instructional plans. Emphasis is on the integration of science into the broader curriculum,

especially literacy, and to instruction strategies that support success for all students, including linguistically and culturally diverse learners.

**ED 571 - Education Research**

Credit Hours: 3.000

This course is designed to provide students with an introduction to the fundamentals of research. In this course the students will develop the knowledge and skills to critically "consume research". Students will examine the foundations of qualitative and quantitative research, focusing on foundational and contemporary research that is significant for professional practice.

**ED 573 - Literacy/Language II - Elem**

Credit Hours: 3.000

This graduate level course is the second course in the Literacy and Language Development sequence that focuses on reading and writing methodology and curricula in language development, content area literacy, vocabulary development, study skills, and, inferential and critical comprehension skills.

**ED 574 - School Principalship Intern I**

Credit Hours: 2.000

The administrator candidate's program will culminate with a 180-hour field experience under the supervision of a building principal. The candidate will demonstrate competencies in the four areas of leadership: strategic leadership, instructional leadership, organizational leadership, and school-community leadership. The supervised experience will encompass two semesters of fieldwork in order to open and close a school.

**ED 575 - Data-Driven Decision Making**

Credit Hours: 3.000

This course is designed to use data collection and communication to improve instruction, student retention/growth, and introduce candidates to state and national requirement/laws reporting, timelines and student graduation rates.

Prerequisites:

**ED 576 - School Principalship Intern II**

Credit Hours: 2.000

The administrators candidate's program will culminate with a 180-hour field experience under the supervision of a building principal. The candidate will demonstrate competencies in the four areas of leadership: strategic leadership, instructional leadership, organizational leadership, and school-community leadership. The supervised experience will encompass two semesters of field work in order to open and close a school.

**ED 577 - Student Teaching Secondary I**

Credit Hours: 3.000

This field experience is a required component of the post-baccalaureate teacher licensure program and provides candidates with a comprehensive experience in a public school setting. Candidates must complete all components outlined in the Student Teaching Handbook.

A team of faculty supervisors and mentors will help the candidate acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating mentor teacher, the university field supervisor, the building principal, and the classroom students. This student teaching experience requires a minimum of 640 hours of contact time over the course of an academic year.

Prerequisites:

TEPP - Minimum Score: 1

**ED 578 - Student Teaching Secondary II**

Credit Hours: 3.000

This field experience is a required component of the post-baccalaureate teacher licensure program and provides candidates with a comprehensive experience in a public school setting. Candidates must complete all components outlined in the Student Teaching Handbook. A team of faculty supervisors and mentors will help the candidate acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating mentor teacher, the university field supervisor, the building principal, and the classroom students. This student teaching experience requires a minimum of 640 hours of contact time over the course of an academic year.

**ED 579 - Special Topics**

Credit Hours: 0.500 TO 12.000

Offered periodically to meet student special interests in the field.

**ED 580 - 21st Century Education**

Credit Hours: 3.000 TO 4.000

This course analyzes current initiatives that impact schools and teaching. This may include content in workforce readiness skills, P-16 transitions, teacher accountability and legislative mandates.

**ED 581 - COBoettchrTchrRsdncySUInsttute**

Credit Hours: 3.000

This is a graduate level orientation course for the Colorado Boettcher Teacher Residency Program. Residents will tour campus, meet with their financial aid advisor, sign their service agreement forms, and review the expectations and requirements outlined in the Residency Handbook. Reflection and collaboration are the focal points for this institute, so residents will participate in team building activities surrounding the Boettcher Guiding Principles, Seven Norms of Collaborative Work, and Culturally Relevant Pedagogy. Mentor teachers will be brought into the seminar to collaborate with the residents and plan for the residency experience.

**ED 585 - Policy & Change Agents**

Credit Hours: 3.000

This Policy and Change Agents course will investigate the history of American education as well as the policy pitfalls that have dogged education systems and reform initiatives. This course will examine the positive and negative effects of corporate influence, reform agendas, the complexities of education legislation and funding as well as issues of access and achievement gaps. In this course educators will explore potential paths forward.

**ED 586 - Ed Crtive & Entrpl Learners**

Credit Hours: 3.000

The Educating Creative and Entrepreneurial Learners course will examine a variety of instructional strategies to foster engagement, understanding, and inquiry. This course will focus on student-directed and differentiated experiences to increase rigor and deepen learning.

**ED 587 - Inst Mentoring/Coaching Int**

Credit Hours: 3.000

Educators will receive job-embedded mentoring or coaching that cultivates compassion, nurtures efficacy and resilience, uncovers strengths and skills, promotes collaboration and leadership, and engages in continual reflection.

Corequisites:

ED 586

**ED 588 - Adaptive Leadership**

Credit Hours: 3.000

School improvement today relies on teachers and leaders having a learning orientation and understanding of their role in reframing organizational structures; participating in collaborative inquiry and distributed leadership; employing technical and adaptive strategies, and embracing collective responsibility for the culture of the school, as well as the performance of students.

Emotional and collective intelligence will be investigated through a reflective and group process. This course draws on the literature of both business and education to explore the concepts crucial to educational leadership that maximizes the growth of teachers and students.

**ED 590 - PLCs: Collab & Coll Resp**

Credit Hours: 3.000

Creating Collaborative Cultures and Collective Responsibility through Professional Learning Communities will challenge educators to alter long-held assumptions, beliefs, expectations, and habits.

Candidates will examine the influences of beliefs and norms on classroom and school cultures. Additionally, candidates will explore how Professional Learning Communities can dramatically improve school performance, student engagement, and the self-efficacy of educators.

**ED 591 - Capstone Project II**

Credit Hours: 3.000

In this Capstone II course educators will continue engaging in the action research process which involves

collecting and analyzing data, reporting the results, and taking informed action. Educators will continue to reflect on and define their purpose for action research which may include building the reflective practitioner, making progress on school wide priorities, and building professional cultures. While planning and conducting action research, educators will respect the ethical obligations that educational researchers have and adhere to the codes and procedures involved.

**ED 592 - Workshops**

Credit Hours: 0.500 TO 5.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ED 593 - Ed Crtive & Entrpl Teachers**

Credit Hours: 3.000

This course is the co-requisite for ED 594 Mentoring and Coaching Internship. The Educating Creative and Entrepreneurial Teachers course will examine how relationships, learning environments, reciprocal growth, and communication skills contribute to educator effectiveness. Teachers will investigate approaches to create trusting and supportive relationships and to foster collaborative and self-directed learning environments. Throughout this course, teachers will plan, reflect, and problem-solve to generate reciprocal growth and learning for themselves and colleagues.

**ED 594 - Mentoring and Coaching**

Credit Hours: 3.000

The Mentoring and Coaching Internship course is the co-requisite for ED 593 Educating Creative and Entrepreneurial Teachers. This internship will support educators in developing their art of mentoring and coaching through intention, planning, practice, and reflection to actively engage in enhancing teaching practices and addressing systemic issues to aid in the transformation of schools.

Corequisites:

ED 593

**ED 598 - Capstone Project Seminar**

Credit Hours: 3.000

This seminar provides for the completion of the Capstone Research Project and requires the candidate carry out and report on an Action Research study.

Prerequisites:

ED 549 Minimum Grade: B

AND ED 550 Minimum Grade: B

AND ED 571 Minimum Grade: B

**ED 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ED 614 - School District Management**

Credit Hours: 4.000

This course introduces superintendent candidates to district wide leadership, management, and accountability in curriculum development and approval, instruction, data collection, Colorado Academic Standards, SB 191, Colorado's Workforce Readiness Act, district personnel management, system-wide strategic planning, building(s) level assessment, district wide technology systems, school view and school safety.

**ED 615 - Superintendent Internship I**

Credit Hours: 2.000

This 150 hour internship, introduces superintendent candidates to district wide leadership, management, and accountability in curriculum development and approval, instruction, data collection, Colorado Academic Standards, SB 191, Colorado's Workforce Readiness Act, district personnel management, system-wide strategic planning, building(s) level assessment, district wide technology systems, school view and school safety.

**ED 624 - School Law/Fiscal Management**

Credit Hours: 4.000

This course introduces superintendent candidates to district wide leadership in School Law and Fiscal Management. Candidates will have a command of education legal issues through the study of case law, employee and student rights, educational organization, educational technology policy, district responsibility and accountability, networking with inter-governmental agencies, strategies for procurement of external funding, and code of ethical issues related to managing a school district. Candidates will demonstrate a comprehensive, working knowledge of generally accepted accounting practices applied to the school district budget, governmentally designated grant funding, private funding, and external funding strategy variables, in addition to the development of related situational improvement plans in order to become a successful superintendent candidate.

**ED 625 - Superintendent Internship II**

Credit Hours: 2.000

This 150 hour internship introduces superintendent candidates to district wide leadership, of School Law and Fiscal Management by providing candidates with a command of education legal issues through the study of case law, current trends in rights, and due process as; student educational rights; due process; chain of command; technology policy; policy; responsibility & accountability; intergovernmental agencies; external funding strategies; code of ethical conduct; Candidates will gain a comprehensive, working knowledge of generally accepted accounting practices; governmental designated grant funding; private funding; and external funding strategies variables; and the development of related situational improvement plans become a successful Superintendent.

**ED 643 - Capstone I**

Credit Hours: 3.000

In this Capstone I course, educators will investigate the action research process which involves selecting a focus, identifying research questions, conducting a review of the literature, and generating a plan. Educators will reflect on and define their purpose for action research which may include building the reflective practitioner, making progress on school wide priorities, and building professional cultures. While planning and conducting action research, educators will recognize the ethical obligations that educational researchers have and adhere to the codes and procedures involved.

**EDRD 579 - Special Topics**

Credit Hours: 0.500 TO 3.000

Offered periodically to meet student special interest in the field.

**EDRD 592 - Workshop**

Credit Hours: 0.500 TO 5.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**EDRD 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**EMM 102 - Principles of Emergency Mgmt**

Credit Hours: 3.000

This course presents the theories, principles, and approaches to emergency management. The philosophy of Comprehensive Emergency Management will be discussed with the four attendant steps which include mitigation, preparedness, response, and recovery. An analysis of past disasters will be presented along with their impacts on policy formation leading up to the current FEMA all-hazards approach. The role, duties, and importance of the Emergency Manager will be discussed throughout the semester. Finally, legal issues involving emergency management will be presented.

**EMM 106 - Emergency Plan/Exercise Design**

Credit Hours: 3.000

This course examines concepts of principles of community risk assessment, regional and cooperative procedures and plans, relationship of structural, pre- and post-occurrence factors, communications, planning, organizing, coordination, command, and logistics related to disaster planning. Examines practical execution of planning through exercise processes and drills, especially as prescribed by FEMA guidelines.

**EMM 210 - Field Study in Emergency Mgmt**

Credit Hours: 3.000

This course provides guidance as the student develops a disaster mitigation plan, a disaster response plan, and a training exercise using FEMA principles under the supervision of an experienced emergency manager.

**ENG 079 - Special Topics**



Credit Hours: 4.000

Offered periodically to meet student special interests in the field.

**ENG 092 - College Compstn & Reading**

Credit Hours: 3.000

Students in this course will learn new and purposeful ways to engage with reading, writing, and thinking. Through this engagement, students will create an academic identity, which will enable them to persist through college until they complete their degree or certificate program. The course work will first focus on understanding concepts and relationships and then move to a stronger focus on evaluating and critiquing ideas and arguments. This course is specifically designed to prepare students for the reading and writing tasks they will face in 100-level content courses.

**ENG 096 - College Prep Read & Writing**

Credit Hours: 3.000

English 096 emphasizes critical thinking as students explore reading and writing for different academic disciplines. The course is designed to enable students who do not place into ENG 101, to build skills required for college-level reading and writing while developing writing skills which include sentence, paragraph, and essay structures. Students also focus on writing as a process of invention, exploration, organization, and development of ideas.

**ENG 101 - Communication Arts I GT-C01**

Credit Hours: 3.000

A course designed to provide students with the reading, writing, and critical thinking skills necessary to produce effective college-level expository writing. Students are placed in this course according to current state placement policy. Students entering Adams State University with an ACT English score less than 19 or an SAT Verbal score less than 431 will take the English Placement Exam administered by the English Department. Students who do not pass the English Placement Exam must enroll in a section of ENG 101 and a co-requisite section of ENG101L, a 0 credit hour lab.

Prerequisites:

A01 - Minimum Score: 18

OR S01 - Minimum Score: 430

OR S11 - Minimum Score: 470

OR EPE - Minimum Score: 1

**ENG 101L - Communication Arts I Lab**

Credit Hours: 0.000

A course designed to provide students with supplemental instruction in order to facilitate the goals of ENG 101: obtaining reading, writing and critical thinking skills necessary to produce effective college-level expository writing. Required companion laboratory to ENG 101.

**ENG 102 - Communication Arts II GT-C02**

Credit Hours: 3.000

The emphasis in this course is upon source-based writing designed to develop skills in critical reading, thinking, and writing. A series of written assignments, including a fully documented paper and oral presentation, are required.

Prerequisites:

ENG 101 Minimum Grade: D

OR ENG 101 Minimum Grade: T

OR A01 - Minimum Score: 29

OR S01 - Minimum Score: 660

OR ENG 101 Minimum Grade: D

**ENG 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**ENG 192 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ENG 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ENG 200 - College Writing Review**

Credit Hours: 1.000 TO 3.000

Designed for referred students at the sophomore or junior level, the course emphasizes composition and writing in the disciplines. Students will polish their writing skills and develop portfolios.

Prerequisites:

( ENG 101 Minimum Grade: C-

AND ENG 102 Minimum Grade: C- )

OR ( ENG 101 Minimum Grade: T

AND ENG 102 Minimum Grade: T )

**ENG 203 - Major Themes in Lit GT-AH2**

Credit Hours: 3.000 TO 6.000

This course is designed to expose students to a variety of literature and to develop critical thinking, reading, and writing skills. ENG 203 is a prerequisite to all higher numbered English courses.

Prerequisites:

ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T

OR ENG 101 Minimum Grade: C-

OR ENG 101 Minimum Grade: T

**ENG 210 - The Study of Literature**

Credit Hours: 3.000

This course covers fundamental literary terms and concepts. Focus on close analyses of texts: tone, symbolism, figurative language, speaker, diction, and syntax. Introduction to literary theories. Mechanics of incorporating primary and secondary sources using MLA style. Development of analytical reading and

writing skills. PREREQUISITE TO ALL HIGHER NUMBERED LITERATURE COURSES.

Prerequisites:

- ENG 102 Minimum Grade: C-
- OR ENG 102 Minimum Grade: T
- OR ENG 102 Minimum Grade: C-

**ENG 214 - Oral Interpret and Performance**

Credit Hours: 3.000

Helps develop effectiveness in personal expression and abilities in the oral performance of one's own original works of fiction, nonfiction, and poetry.

**ENG 226 - English Language**

Credit Hours: 3.000

This course is an in-depth study of the syntax, phonology, morphology, semantics, and grammar of English. Additionally, it may include a basic introduction to issues such as historical linguistics, first and second language acquisition, psycholinguistics, and sociolinguistics.

Prerequisites:

- ENG 101 Minimum Grade: C-
- OR ENG 101 Minimum Grade: T

**ENG 227 - Intro to Creative Writing**

Credit Hours: 3.000

Students write and read poetry, fiction, creative nonfiction, and drama, develop aesthetic standards, and evaluate their writing and that of their classmates. Course emphasizes the writing process, including strategies for invention and revision, and presents ideas for teaching creative writing.

Prerequisites:

- ENG 101 Minimum Grade: C-
- OR ENG 101 Minimum Grade: T
- OR ENG 101 Minimum Grade: C-
- OR ENG 101 Minimum Grade: T

**ENG 279 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**ENG 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ENG 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ENG 302 - Creative Comm in Classroom**

Credit Hours: 3.000

This course is designed to develop proficiency in oral communications for prospective teachers. Through instructor and student led discussions, small group work, in-class exercises and creative activities, the class will explore the role of communication in the classroom as

well as everyday life. There will be a strong focus on the creative uses and development of oral communication skills for both teachers and students.

Prerequisites:

- ENG 101 Minimum Grade: C-
- OR ENG 101 Minimum Grade: T

**ENG 304 - Lit Traditions for Teachers**

Credit Hours: 3.000

This course explores literary tradition and will provide students with the tools necessary to integrate literature in the total instructional program. The course will be divided into sections focused on the genres of fiction, poetry, and drama.

Prerequisites:

- ENG 101 Minimum Grade: C-
- OR ENG 101 Minimum Grade: T

**ENG 306 - English Grammar for Teachers**

Credit Hours: 3.000

Fundamentals of English grammar and a brief, non-technical history of the language, geared toward future educators in the Rural Educational Access Program (REAP) and similar distance programs. Students will review basic grammatical elements.

Prerequisites:

- ENG 101 Minimum Grade: C-
- OR ENG 101 Minimum Grade: T

**ENG 309 - British Literature I**

Credit Hours: 3.000

Historical survey of British Literature.

Prerequisites:

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )

**ENG 310 - British Literature II**

Credit Hours: 3.000

Continuing historical survey of British literature.

Prerequisites:

- ( ENG 210 Minimum Grade: T
- OR ENG 210 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C-
- OR ENG 203 Minimum Grade: T
- OR ENG 203 Minimum Grade: C-
- OR ENG 203 Minimum Grade: C- )

**ENG 311 - World Literature I**

Credit Hours: 3.000

Selected masterpieces of world literature from ancient times to 1700. Includes some works from outside the Western tradition.

Prerequisites

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )

**ENG 312 - World Literature II**

Credit Hours: 3.000

Selected masterpieces of world literature from 1700 to the present. Includes some works from outside the Western tradition.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

### **ENG 314 - Adolescent Literature**

Credit Hours: 3.000

A course designed to acquaint prospective teachers of English with representative literature of adolescence.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

### **ENG 315 - Children's Literature**

Credit Hours: 3.000

Survey of literature for children (ages 0-14) from ancient times to the present. Evaluation and use of books and other resources in the home, in public libraries, and in school media centers.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

### **ENG 316 - Methods/English in Sec School**

Credit Hours: 3.000

A study of effective teaching methods used in presenting grammar, composition, and literature to junior and senior school students. Usually taken as part of the Education licensure senior block. Students should have a strong preparation in upper-division English content courses. Admission to the Teacher Education Program is required. This course must be taken along with other courses designated in the senior block. Students wishing to take the course who do not meet the above requirements must obtain instructor permission.

Prerequisites:

( ED 200 Minimum Grade: C  
AND ED 200 Minimum Grade: C  
AND ENG 210 Minimum Grade: C-  
OR ENG 203 Minimum Grade: C-  
AND ENG 226 Minimum Grade: C-  
AND TEPP - Minimum Score: 1  
AND BKCK - Minimum Score: 1 )  
OR ( ED 200 Minimum Grade: T  
AND ED 220 Minimum Grade: T  
AND ENG 210 Minimum Grade: T  
OR ENG 203 Minimum Grade: T  
AND ENG 226 Minimum Grade: T  
AND TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1 )

### **ENG 320 - Literature & Sexualities**

Credit Hours: 3.000

An examination of a variety of sexual identities and expressions as portrayed in literature.

### **ENG 323 - Introduction to Memoir**

Credit Hours: 3.000

Introduction to Memoir explores the genre of memoir as a significant subgenre of creative non-fiction. Students will learn the history, key elements, and different types of memoir including the hybrid memoir, explore and analyze complete memoirs and memoir excerpts written by culturally diverse writers, and begin the process of writing their own memoir.

Prerequisites:

ENG 102 Minimum Grade: C  
OR ENG 102 Minimum Grade: T  
OR ENG 227 Minimum Grade: C  
OR ENG 227 Minimum Grade: T

### **ENG 324 - The Prison Memoir**

Credit Hours: 3.000

The Prison Memoir is designed to help students explore and understand how well-crafted memoirs written about prisons and the incarcerated life are a significant contribution to literature and the story of humanity. In addition to reading prison memoirs and excerpts written by men and women from diverse cultures, situations, and perspectives, students will study the craft of memoir as a creative writing genre with its own challenges and problems, as well as begin the process of writing their own memoir. Although this course will have special appeal to prisoners, it is open to any student wishing to understand the incarcerated life as told by those who have lived it, or are still living it.

Prerequisites:

ENG 102 Minimum Grade: C  
OR ENG 323 Minimum Grade: T  
OR ENG 323 Minimum Grade: C  
OR ENG 227 Minimum Grade: C  
OR ENG 227 Minimum Grade: T  
OR ENG 102 Minimum Grade: T

### **ENG 325 - Women and Memoir**

Credit Hours: 3.000

Women and Memoir is designed to help students explore and understand the recent explosion of women's memoir as a significant yet historically underrepresented contribution not only to literature but also to the story of humanity and its treasure house of collective wisdom. In addition to reading culturally and ethnically diverse woman-authored memoirs and excerpts, students will study the craft of memoir as a creative writing genre with its own challenges and problems, and will begin the process of writing their own memoir in order to tell their unique and diverse stories. Although this course will have special appeal to women, it is open to any student.

**Prerequisites:**

- ENG 102 Minimum Grade: C
- OR ENG 102 Minimum Grade: T
- OR ENG 227 Minimum Grade: C
- OR ENG 227 Minimum Grade: T
- OR ENG 323 Minimum Grade: C
- OR ENG 323 Minimum Grade: T

**ENG 326 - CW Poetry Workshop I**

Credit Hours: 3.000

This course will teach students to develop their craft and creativity in the genre of poetry. Students submit original poems weekly, read selected works of contemporary, published poetry, and critique their own work and that of their classmates. Students practice revision and submit revised work in a final portfolio of at least 10 pages.

**Prerequisites:**

- ( ENG 227 Minimum Grade: C-
- OR ENG 227 Minimum Grade: T )
- AND ( ENG 210 Minimum Grade: C-
- OR ENG 210 Minimum Grade: T
- OR ENG 203 Minimum Grade: C-
- OR ENG 203 Minimum Grade: T )
- OR ( ENG 227 Minimum Grade: C-
- AND ENG 210 Minimum Grade: C-
- OR ENG 203 Minimum Grade: C- )

**ENG 327 - Fiction Workshop I**

Credit Hours: 3.000

This course will teach students to develop creativity in the genre of prose fiction (short story). Students will submit their original writing, read works of published fiction, and critique their own work and the work of their classmates.

**Prerequisites:**

- ENG 227 Minimum Grade: C-
- OR ENG 227 Minimum Grade: T

**ENG 328 - Creative Nonfiction I**

Credit Hours: 3.000

This course covers techniques in nonfiction writing encompassing a variety of styles, forms, and topics, encouraging exploration of the genre's innumerable possibilities while developing the student's personal and critical theories of writing.

**Prerequisites:**

- ( ENG 102 Minimum Grade: C-
- OR ENG 102 Minimum Grade: C-
- OR ENG 102 Minimum Grade: T )
- AND ( ENG 227 Minimum Grade: C-
- OR ENG 227 Minimum Grade: C-
- OR ENG 227 Minimum Grade: T )

**ENG 329 - Women and Drama**

Credit Hours: 3.000

A survey of the history and literature associated with women in theatre. The course will include the history of actual women involved in the evolution of western and

eastern theatre traditions as well as playscripts which deal with the subject of women's issues. There will be a strong emphasis on the incorporation of contemporary dramatic theory, especially feminist theory, to analyze dramatic texts. The course will cover Greek through Contemporary Drama.

**Prerequisites:**

- ( ENG 210 Minimum Grade: C-
- OR ENG 203 Minimum Grade: C- )
- OR ( ENG 210 Minimum Grade: T
- OR ENG 203 Minimum Grade: T )

**ENG 350 - 20-21st C Brit/Anglophone Lit**

Credit Hours: 3.000

An examination of British and Anglophone writers and the movements they are associated with, including traditionalists, modernists, post-modernists and post-colonialists. Course content investigates the global and multicultural nature of recent and current Anglophone literature.

**Prerequisites:**

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )
- OR ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )

**ENG 355 - The Novel**

Credit Hours: 3.000

Selected novels written between the 18th century and the present.

**Prerequisites:**

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )
- OR ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )

**ENG 356 - The Russian Novel**

Credit Hours: 3.000

A study of major Russian novels.

**Prerequisites:**

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )

**ENG 357 - Studies in Linguistics**

Credit Hours: 3.000

This course is an in-depth study of topics related to linguistics. These topics may include historical linguistics, first and second language acquisition, psycholinguistics or sociolinguistics.

**Prerequisites:**

- ENG 226 Minimum Grade: C-
- OR ENG 226 Minimum Grade: T

**ENG 358 - Bible as Literature**

Credit Hours: 3.000

This course analyzes the Bible as literature, examines the use of biblical motifs, imagery, and themes in post-biblical texts, and explores the First Amendment challenges confronting those who plan to teach Bible-as-literature courses in the public schools.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )

### **ENG 359 - Mythology**

Credit Hours: 3.000

An in-depth study of world mythology to familiarize students with major cultural and literary traditions.

Prerequisites:

ENG 203 Minimum Grade: C-  
OR ENG 203 Minimum Grade: T

### **ENG 363 - Advanced Composition**

Credit Hours: 3.000

Advanced techniques of effective writing for a variety of purposes. Includes a unit on writing for the World Wide Web.

Prerequisites:

ENG 102 Minimum Grade: C  
OR ENG 102 Minimum Grade: T  
OR ENG 102 Minimum Grade: C

### **ENG 365 - Ethnic & Minority Literature**

Credit Hours: 3.000

A study of the literature of Native American, African-American, Chicano, and other American ethnic and minority groups.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 210 Minimum Grade: C-  
OR ENG 203 Minimum Grade: C- )

### **ENG 375 - Chicano Literature**

Credit Hours: 3.000

This course explores the canon of Chicana/o Literature and its multiple influences. Specifically, the course deals with the cultural, political and societal climates that necessitated the literature. The course will focus on oral tradition and its evolution into other genres of Chicana/o Literature (poetry, fiction, & essay). Chicana/o Literature (poetry, fiction, & essay).

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

### **ENG 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

Prerequisites:

### **ENG 385 - Women and Literature**

Credit Hours: 3.000

A survey of literature written by women beginning with Sappho and focusing on the western tradition. An introduction to feminist literary criticism.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

### **ENG 392 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites:

### **ENG 394 - American Literature I**

Credit Hours: 3.000

Pre-Columbian to 1865 survey of American Literature from its native and colonial beginnings through the mid-nineteenth century.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )

### **ENG 395 - American Literature II**

Credit Hours: 3.000

Survey of American literature from 1865 to the present. Thematic emphases include the development of American, Native American, and feminist literary traditions; industrialization, urbanization, and the closing of the frontier, realism, naturalism, and modernism; the Lost Generation; and the '60s and postmodernism.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )

### **ENG 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites:

( ENG 210 Minimum Grade: C-  
OR ENG 203 Minimum Grade: C-

- OR ENG 210 Minimum Grade: T
- OR ENG 203 Minimum Grade: T )

**ENG 403 - Shakespeare**

Credit Hours: 3.000

Combines study of comedies, histories, and tragedies.

Prerequisites:

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )

**ENG 407 - Chaucer**

Credit Hours: 3.000

Concentrates mainly on the Canterbury Tales, but covers other major works as time permits.

Prerequisites:

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 203 Minimum Grade: T )

**ENG 409 - Medieval/Renaissance Lit**

Credit Hours: 3.000

Survey of Medieval and/or Renaissance literature with emphasis on specific authors and/or topics.

Prerequisites:

- ENG 203 Minimum Grade: C-
- OR ENG 203 Minimum Grade: T

**ENG 416 - The Teaching of Writing**

Credit Hours: 3.000

A study of theories about writing through reading, research, reflection, writing and practice. Students will practice the teaching of writing and develop instructional strategies and philosophies for all levels including college.

**ENG 420 - Environmental Literature**

Credit Hours: 3.000

This course is a survey of environmental literature – poetry, fiction, and non-fiction – spanning from the beginning of the conservation movement with Thoreau through the modern environmental movement with Carson, and to the present day with a focus on sustainability and the Southwestern United States with attention paid to the environmental impacts on indigenous populations and minority groups and authors, particularly Latinx. Students will analyze, criticize, reflect, and write about the reading, but also reflect upon field visits to farms, ranches, monuments, and parks throughout the region.

Prerequisites:

- ENG 203 Minimum Grade: C-
- OR ENG 203 Minimum Grade: T

**ENG 425 - English Syntax**

Credit Hours: 3.000

A descriptive study of English syntax in the framework of generative-transformational grammar, with emphasis

on theoretical approaches developed in the 1980's and later.

Prerequisites:

- ENG 357 Minimum Grade: C-
- OR ENG 357 Minimum Grade: T

**ENG 426 - Poetry Workshop II**

Credit Hours: 3.000

This course will teach students to further develop their craft and creativity in the genre of poetry. Students will submit original poems weekly, read selected works of contemporary published poetry, and critique their own work and the work of their classmates. They will practice revision and submit revised work in a portfolio of at least 15 pages.

Prerequisites:

- ENG 326 Minimum Grade: C-
- OR ENG 326 Minimum Grade: T

**ENG 427 - Fiction Workshop II**

Credit Hours: 3.000

This course will teach students to further develop their craft and creativity in the genre of prose fiction (short story). Students will submit their original writing, read works of published fiction, and critique their own work and the work of their classmates.

Prerequisites:

- ( ENG 227 Minimum Grade: C-
- AND ENG 327 Minimum Grade: C- )
- OR ( ENG 227 Minimum Grade: T
- AND ENG 327 Minimum Grade: T )

**ENG 428 - Creative Nonfiction II**

Credit Hours: 3.000

This course covers advanced techniques in nonfiction writing begun in ENG 328 as the student assembles a portfolio of work suitable for application to graduate programs.

Prerequisites:

- ( ENG 328 Minimum Grade: C-
- OR ENG 328 Minimum Grade: T )

**ENG 443 - 20th Century American Novel**

Credit Hours: 3.000

Selected American Novelists 1900 to present.

Prerequisites:

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )
- OR ( ENG 203 Minimum Grade: T
- OR ENG 210 Minimum Grade: T )
- OR ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )

**ENG 450 - Romantic and Victorian Lit**

Credit Hours: 3.000

Selected works of major English writers of the Romantic and Victorian periods.

Prerequisites:

- ( ENG 203 Minimum Grade: C-
- OR ENG 210 Minimum Grade: C- )

OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

**ENG 458 - Reading Poetry**

Credit Hours: 3.000

A study of poetry from ancient to contemporary with an emphasis on form and technique.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )

**ENG 460 - Reading Short Prose**

Credit Hours: 3.000

A study of fiction and nonfiction short prose forms with an emphasis on authors writing in the English and American traditions, but including works in translation, and with special attention to form and technique.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

**ENG 465 - Modern Theatre**

Credit Hours: 3.000

Study of theatre history and the diverse trends in dramatic literature during the 19th century and early to mid-20th century, as viewed through the works of the major playwrights of Europe and the United States. The focus of the course will be placed equally upon history, script analysis, and dramaturgy.

Prerequisites:

ENG 203 Minimum Grade: C-  
OR ENG 203 Minimum Grade: T

**ENG 470 - Classical Theatre**

Credit Hours: 3.000

A chronological study of the major periods of theatre history and dramatic literature, from the emergence of Greek Tragedy in the 5th century B.C. to English Restoration Comedy. The focus of the course will be placed equally upon history, script analysis and dramaturgy.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

**ENG 472 - Contemporary Theatre**

Credit Hours: 3.000

An inclusive study of theatre history and dramatic literature from 1965 through the present day with a specific emphasis on multicultural theatre. The focus of the course will be placed equally upon history, script analysis, and dramaturgy.

Prerequisites:

ENG 203 Minimum Grade: C-  
OR ENG 203 Minimum Grade: T

**ENG 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**ENG 480 - Contemporary Literary Theory**

Credit Hours: 3.000

Study of the developments of literary critical theory and practice from the beginning of the 20th century to the present. Some emphasis on important earlier theories as they relate to contemporary developments.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )

**ENG 490 - Major Authors**

Credit Hours: 3.000

Study of major figures in fiction, dramatic literature, and poetry. Author (s) will be selected by instructor.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )  
OR ( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )

**ENG 492 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites:

**ENG 495 - Senior Seminar**

Credit Hours: 3.000

This course is designed to be the academic capstone experience for all students who are majoring in English/Liberal Arts and to prepare students for graduate studies in the field. Subject matter will vary depending upon the instructor's specialization or area of interest. All seminar students will write a major research essay that reflects the student's mastery of library usage, research methodology, breadth of knowledge, critical thinking, and writing ability.

Prerequisites:

( ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: C- )  
OR ( ENG 203 Minimum Grade: T  
OR ENG 210 Minimum Grade: T )

**ENG 497 - Capstone Writing Workshop**

Credit Hours: 3.000

This course is designed as a capstone for all Creative Writing majors. The content of the course will focus on organization, editing, and honing of a final writing project.

Prerequisites:

( ENG 210 Minimum Grade: C-  
OR ENG 203 Minimum Grade: C-  
OR ENG 210 Minimum Grade: T  
OR ENG 203 Minimum Grade: T )  
AND ( ENG 214 Minimum Grade: C-  
OR THTR 213 Minimum Grade: C- )  
OR ( ENG 214 Minimum Grade: T  
OR THTR 213 Minimum Grade: T )  
AND ( ENG 227 Minimum Grade: C-  
OR ENG 227 Minimum Grade: T )  
AND ( ENG 326 Minimum Grade: C-  
OR ENG 326 Minimum Grade: T )  
AND ( ENG 327 Minimum Grade: C-  
OR ENG 327 Minimum Grade: T )  
AND ( ENG 328 Minimum Grade: C-  
OR ENG 328 Minimum Grade: T )

**ENG 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ENG 510 - Stdy Lit & Literary Theory**

Credit Hours: 3.000

The course will focus on the most recent and relevant critical frameworks, and such lenses will be used to analyze works of literature from the classical period to today. Recent works of fiction, poetry, drama, and creative nonfiction will provide core readings, including works that would appeal to adolescent audiences. Some texts may be read in translation. Close reading skills will be applied. While this course focuses primarily on English content, issues related to the teaching of literary studies and analysis will be covered.

**ENG 511 - Stdy of Rhetoric & Composition**

Credit Hours: 3.000

Advanced study of composition and rhetorical theory, its history, and practice of teaching writing, with special emphasis on teaching composition to diverse students at various levels (e.g., middle school, high school and college freshman).

**ENG 512 - Cont Lit in American Pub Sch**

Credit Hours: 3.000

This course investigates the politics at work in banning and challenging literature in the American public school system and offers middle and high school English teachers that skills necessary to teach and defend the pedagogical value of "contentious" literature.

**ENG 515 - Tching Eng Secondary Classroom**

Credit Hours: 3.000

This course is designed to provide a conceptual framework for aligning curriculum to State and Common Core Standards. Students will explore an array of methods for appropriately assessing the degree of student understanding, knowledge, and skill while meeting the demands of state and national standards. The course will include practical analysis and application of data to drive curriculum and meaningful assessment.

**ENG 516 - Methods/Teaching English-Sec**

Credit Hours: 3.000

A study of effective teaching methods used in presenting grammar, composition, and literature to junior and senior high school students.

**ENG 517 - Understanding Language**

Credit Hours: 3.000

This course explores the nature of language primarily through an exploration of English structures. Those structures include sound patterns (phonetics and phonology); word classes (lexicon); word parts (morphology); and sentence patterns (syntax). Other topics include bilingualism (and issues pertaining to bilingual education); the varieties of English nationally and internationally; a social history of English and the expansion of English; first and second language development; methodologies of teaching ESL; and language death.

**ENG 563 - Theory & Perf of Dramatic Lang**

Credit Hours: 3.000

This course examines both historical and contemporary dramatic and performance theories with a focus on the application to the creative study of plays in the classroom.

**ENG 565 - Issues in Vid Prod/Soc Media**

Credit Hours: 3.000

The ability to use video equipment, including video software, and social media successfully is increasingly a vital skill in today's society. To that end, in this course students will learn how to use social media and video production equipment/software, how to instruct others in their uses, and the major issues facing students regarding social media and video on the Internet.

**ENG 567 - Media Literacy**

Credit Hours: 3.000

With the proliferation of media in our society, it is important that informed citizens of all ages understand the socialization role of media in US society. To that end, this course prepares students for discussions about the media, understanding its ideological, cultural, socio-political role and influence, with the goal of having these discussions beyond the classroom so that students and those they encounter can make conscious, informed decisions about the messages in the media.

**ENG 570 - Advanced Readings**

Credit Hours: 3.000



This individualized course allows the student, working one-to-one with a professor, to pursue readings and advanced, in-depth study into a particular author's work, a genre, or a literary period, or to pursue advanced, in-depth study into an area of composition or an area of theatre production or performances. This course may be repeated to allow the student to pursue study in another area.

**ENG 574 - Special Topics Varied Lit**

Credit Hours: 3.000

This course will vary annually in the spring semester. Each 3-credit offering will explore a new area of literature or composition.

**ENG 579 - Special Topics**

Credit Hours: 0.500 TO 3.000

Offered periodically to meet students' special interests in the field.

**ENG 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short course offered on an intermittent basis to meet the needs of special constituents.

**ENG 595 - Thesis**

Credit Hours: 3.000

This course is the culminating experience for the MA program in which students demonstrate mastery of the discipline by producing an acceptable Master's Thesis.

**ENG 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ENV 101 - Intro Environmental Sci GT-SC1**

Credit Hours: 4.000

An introductory level study of ecosystems, evolution population growth dynamics and problems, atmospheric and geologic processes, nonrenewable resource use, soil and land use, nutrient cycling, energy use, pollution and conservation strategies.

Prerequisites:

MATH 097 Minimum Grade: S

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: S-C

OR MATH 104 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 110 Minimum Grade: C-

OR MATH 120 Minimum Grade: C-

OR MATH 150 Minimum Grade: C-

OR A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ALEK - Minimum Score: 030

OR MAPT - Minimum Score: 23

OR MATH 097 Minimum Grade: T

OR MATH 099 Minimum Grade: T

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 110 Minimum Grade: T

OR MATH 120 Minimum Grade: T

OR MATH 150 Minimum Grade: T

Corequisites:

ENV 101L

**FOOD 100 - Perspectives on Food**

Credit Hours: 3.000

This course is an exploration of the multitude of roles that food plays in the world. Each class will consist of a discussion of food through a different lens, such as culture, history, economy, nutrition, power, medicine, and ecology. The course will be highly discussion based and students will be challenged to explore their own personal relationship with food. Grades will be determined based on class participation, weekly reading reflections, a blog-post, and a food sharing presentation in which you will explore the history, culture and personal meaning of a specific dish.

**FOOD 200 - U.S. Food Systems**

Credit Hours: 3.000

This course will provide an overview of the U.S. Food System, including the policy, agricultural, and cultural history that has led us to the food system that we have today. The course will include the following topics: the role of policy in shaping the food system; the history and current state of federal governmental food and agricultural programs; food as an industry (production, processing, distribution, sales, advertising, and consumer behavior). We will explore the implication of our current system for health, communities, and the environment.

**FOOD 250 - Community Food Systems**

Credit Hours: 3.000

In this course, students will study local food systems, using the San Luis Valley as a case study for a broader understanding of the role of local food systems in community vitality and health. We will explore: the pathways of food from the farm, to the distributor, to consumer, and finally as waste; inequalities in food access within communities; strategies for creating a resilient and sustainable local food system; and the major players in the local food system. Students will be provided with many examples of organizations using creative solutions to food system problems.

Prerequisites:

FOOD 100 Minimum Grade: C-

AND FOOD 200 Minimum Grade: C-

**FOOD 300 - Food Lab I**

Credit Hours: 3.000

Food lab is a hands-on upper level course for Food Studies majors to learn about food from Farm to Table. Food Lab I & II should be taken in consecutive Spring and Fall semesters, as the Food Lab I students will plant

a garden to be harvested by the students in Food Lab II, the following fall. In Food Lab I, students in the class will work together to plan a vegetable garden, order seeds, grow seedlings, prepare the soil, plant the vegetables, and troubleshoot problems using sustainable practices. Grades will be determined by peer-evaluation, based on each student's contribution to the class garden project. Students will also begin learning basic cooking techniques, starting with food safety and handling and knife skills.

Prerequisites:

FOOD 250 Minimum Grade: C-

**FOOD 350 - Food Lab II**

Credit Hours: 3.000

Food Lab II is a continuation of Food Lab I. Students enrolling in this course should have taken Food Lab I in the previous Spring semester. In Food Lab II, students will harvest produce from the garden they planted in the spring. Food Lab II will expand upon the basic food preparation skills acquired in Food Lab I.

Prerequisites:

FOOD 250 Minimum Grade: C-

AND FOOD 300 Minimum Grade: C-

**FOOD 400 - Food Studies Internship I**

Credit Hours: 3.000

This is the first internship for the Food Studies interdisciplinary degree. This course does not include regular classroom instruction, but is an internship in a food-related organization. The purpose of this internship is for the student to learn how the organization functions, its mission and principles, and to provide assistance to the organization.

Prerequisites:

FOOD 250 Minimum Grade: C-

**FOOD 450 - Food Studies Internship II**

Credit Hours: 3.000

This is the second internship for the Food Studies interdisciplinary degree. This course does not include regular classroom instruction, but is an internship in a food-related organization. The second semester of internship must include a project for which the student has primary responsibility, to be determined by the internship advisor, in collaboration with the student. The second internship may be completed at the same organization as the first internship or with a new organization.

Prerequisites:

FOOD 400 Minimum Grade: C-

**FOOD 498 - Food Studies Capstone**

Credit Hours: 3.000

This is the capstone course for the Food Studies interdisciplinary degree. This course includes regularly scheduled meetings with the instructor and significant independent work on a self-guided project, chosen by the student, in collaboration with their advisor.

Prerequisites:

FOOD 400 Minimum Grade: C-

**FR 135 - Begin Conversational French**

Credit Hours: 2.000

Practice in speaking French. Discussion based on cultural topics.

**FYS 101 - First Year Seminar**

Credit Hours: 3.000

New students launch into the Adams Experience through the First-Year Seminar (FYS). The FYS will encourage students to explore issues that matter them, consider big questions, share their ideas, challenge assumptions, and learn to appreciate different points of view. Each FYS will focus on a unique topic that will be the theme of course discussions, experiences, and assignments. The FYS will develop students' knowledge, skills, and confidence to begin their own journey through the Adams Experience. This particular First Year Seminar is the first course in a series of FYS courses and focuses on adjusting to the Adams Experience. All first-time full-time students must complete 3 credit hours of FYS.

**FYS 102 - First Year Seminar**

Credit Hours: 1.000 TO 2.000

New students launch into the Adams Experience through the First-Year Seminar (FYS). The FYS will encourage students to explore issues that matter to them, consider big questions, share their ideas, challenge assumptions, and learn to appreciate different points of view. Each FYS will focus on a unique topic that will be the theme of course discussions, experiences, and assignments. The FYS will develop students' knowledge, skills, and confidence to begin their own journey through the Adams Experience. FYS 102 is the first course in a two-course series of first-year seminars designed for specific programs. All first-time full-time students must complete 3 credit hours of FYS.

**FYS 103 - First Year Seminar**

Credit Hours: 1.000

This is the second course in the two-course series of first-year seminars. During this course, students will be immersed in a unique topic of inquiry that will be the theme of course discussions, experiences, and assignments. Students will explore relevant issues, consider big questions, challenge their own assumptions, and learn to appreciate different points of view. Through class discussions, readings, collaborative projects, presentations, and guest speakers/field trips students will continue to develop college level critical thinking.

Prerequisites:

FYS 102 Minimum Grade: C-

**GOVT 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**GSCI 109 - Dynamic Earth**

Credit Hours: 4.000

This course is an introduction to the interwoven geoscience fields including the relationships among the four spheres of the Earth (i.e., atmosphere, biosphere, hydrosphere, and lithosphere). This course emphasizes the understanding of geoscience processes from the Earth's core to the fringes of outer space. A major focus is the relationship between humans and the environment, including global climate and environmental change. Laboratory work includes identification and classification of minerals and rocks, climate and weather analysis, surface and groundwater simulations, and topographic and geologic map exercises. This course includes 3 hours of lecture and 2 hours of laboratory per week.

Prerequisites:

ALEK - Minimum Score: 30

OR A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: T

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: T

OR MATH 104 Minimum Grade: C-

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: C-

OR MATH 120 Minimum Grade: T

### **GSCI 112 - Earth History**

Credit Hours: 4.000

Introduction to the geological evolution of the earth through time using basic principles of stratigraphy and paleontology. Laboratory work includes identification and classification of fossils and correlation of sedimentary environments.

Prerequisites:

GSCI 109 Minimum Grade: C-

### **GSCI 123 - Geology of the San Luis Valley**

Credit Hours: 1.000

This course explores the local geology of the San Luis Valley and surrounding areas on day trips. Course is offered during the fall or spring semester. Outdoor activity required.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 201 - Intro to Cartography and GIS**

Credit Hours: 3.000

This course will introduce students to the core concepts of Geographic Information Systems (GIS) and the importance and relevance of GIS in today's world.

Students will learn what GIS is, what it is used for, and how to perform basic and core tasks involving GIS analysis. An objective is to help students develop the ability to think critically about cartographic processes and representations as well as develop their skills in creating maps. Students are expected to have basic computer proficiency prior to enrolling in this course.

### **GSCI 212 - Nat Res Mgt on Public Lands**

Credit Hours: 3.000

This course will examine public lands management from both a theoretical and descriptive perspective. The major political forces affecting public lands, and the specific details of energy policy, forests, rangelands, national parks, and wildlife on public lands are discussed.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR BIOL 330 Minimum Grade: C-

### **GSCI 300 - World Geography**

Credit Hours: 3.000

The course examines human or cultural geography with a global perspective. It uses a topic centered approach. It is intended to give the student an appreciation of the interaction between physical geography, environment, and cultural practices.

### **GSCI 307 - Bio-Geography**

Credit Hours: 3.000

The course builds upon topics introduced in the introductory physical geography and general biology courses and synthesizes concepts addressed in other upper-division courses dealing with vegetation science, climatology, soil, historical geology, ecology, and evolution to explain patterns and processes influencing past and present distributions of organisms.

Prerequisites:

GSCI 109 Minimum Grade: C-

AND BIOL 209 Minimum Grade: C-

### **GSCI 311 - Climatology**

Credit Hours: 4.000

This course examines the global patterns of climate and the processes that shape them. Particular attention is given to climate change mechanisms (past & present), human-induced changes to the climate system, and likely future climates. Field- and computer-based methodology relevant to the field of climatology is also emphasized.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 321 - Geomorphology w/Env Applic**

Credit Hours: 4.000

This course is a study of the processes that control the development of the materials and landforms found on the earth's surface. An emphasis is placed upon the hydrologic and variables in generating landforms and human interactions with these formative processes. Field trips, topographic map, and aerial photo exercises are

required. Offered spring semester of even-numbered years.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 330 - Nature and Properties of Soils**

Credit Hours: 4.000

This course analyzes soils as natural bodies and managed resources, focusing on impacts of landforms, hydrology, nutrients, and organisms on soils. The laboratory includes analysis of soil patterns, methods of sampling, and techniques of determining physical and chemical properties of soils. Course includes three hours of lecture and two hours of laboratory per week.

Prerequisites:

( GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T )

AND ( CHEM 111 Minimum Grade: C-

OR CHEM 111 Minimum Grade: T

OR CHEM 131 Minimum Grade: C-

OR CHEM 131 Minimum Grade: T )

### **GSCI 331 - Macro and Optical Mineralogy**

Credit Hours: 5.000

This course provides a systematic identification of natural minerals and gemstones utilizing their physical, crystallographic, and optical characteristics.

Prerequisites:

GSCI 112 Minimum Grade: C-

OR GSCI 112 Minimum Grade: T

### **GSCI 334 - Igneous/Metamorphic Petrology**

Credit Hours: 5.000

The study of the occurrence and origin of igneous and metamorphic rock. Laboratory exercises will emphasize the petrographic analysis of both macro and optical components of igneous and metamorphic rocks. Course includes field trips. Course is offered Spring semester of even-numbered years. GSCI 334 is a complimentary course with GSCI 343 Sedimentology and Stratigraphy

Prerequisites:

GSCI 331 Minimum Grade: C-

OR GSCI 331 Minimum Grade: T

### **GSCI 343 - Sedimentology & Stratigraphy**

Credit Hours: 4.000

This course studies the origin and occurrence of sedimentary materials and their vertical succession. Sediment dynamics and structures will be explored within various depositional settings. Course includes required field trips. GSCI 343 is complementary to Igneous and Metamorphic Petrology (GSCI 334).

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 350 - Geology Excursion**

Credit Hours: 2.000

This course centers around a field trip experience of approximately one week, generally during spring break, to different areas of the southwestern U.S. This course may be taken only twice for credit. An additional fee is required. Camping and outdoor activity is required.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 371 - Structural Geology**

Credit Hours: 4.000

This course focuses on the recognition, representation, and significance of geologic structures of the earth's crust. This course includes occasional required field trips and is offered fall semester of even-numbered years.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 411 - Mountain Geography**

Credit Hours: 3.000

This class focuses on the physical science of mountains, including the origin of mountains as well as the climatic, geomorphic, and ecological processes and patterns found in mountain environments. The impact of mountains on human settlement and activities are discussed, as well as how humans have impacted mountain environments.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 420 - Remote Sensing**

Credit Hours: 4.000

The course considers acquisition and interpretation of remote sensed environmental data, theory and sensors, and manual and computerized interpretation methods.

Prerequisites:

( GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T )

AND ( GSCI 201 Minimum Grade: C-

OR GSCI 201 Minimum Grade: T )

### **GSCI 421 - Glacial and Periglacial Geog**

Credit Hours: 3.000

This course will examine geomorphological aspects of the cryosphere, giving emphasis to the study of landforms and sediments created by ice sheets and periglacial processes both past and present. Where relevant, the applied aspects of glacial and periglacial geomorphology will be given specific attention.

Prerequisites:

GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T

### **GSCI 433 - Environmental Geochem Model**

Credit Hours: 3.000

This lecture and computer modeling course examines the interaction of geological materials with the surface environment. Processes of transport and fate of contaminants and pollutants from natural and man made

sources will be addressed, as well as the geology of some natural resources that contribute pollutants.

Prerequisites:

( GSCI 109 Minimum Grade: C-

OR GSCI 109 Minimum Grade: T )

AND ( CHEM 131 Minimum Grade: C-

OR CHEM 131 Minimum Grade: T )

AND ( CHEM 132 Minimum Grade: C-

OR CHEM 132 Minimum Grade: T )

### **GSCI 440 - Groundwater**

Credit Hours: 4.000

This course explores the groundwater system and its relationship with surface water systems of rivers, lakes, and oceans.

Prerequisites:

( MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T )

OR ALEK - Minimum Score: 61

OR A02 - Minimum Score: 26

OR S02 - Minimum Score: 600

OR S12 - Minimum Score: 620

AND ( GSCI 112 Minimum Grade: C-

OR GSCI 112 Minimum Grade: T )

### **GSCI 450 - Senior Capstone in Geosciences**

Credit Hours: 2.000

Capstone experiences integrate material learned in the major through independent research and creative thinking by students. The capstone experience may include a primary research experience (such as field project or internship) or a substantive exploration of a geoscience topic. Emphasis is also placed on effective writing and oral presentation skills.

### **GSCI 462 - Geog & Geol of World Regions**

Credit Hours: 3.000

This field course, offered during winter, spring, or summer break, explores regions of the world through a geographic and geological perspective. A different region is studied every other summer. Focus is placed on understanding the structural geology, tectonic landscape, surficial processes, and human-environment interactions of the region. Students will gain an intimate knowledge of world regions, landscapes, and cultures. Examples of world regions include the Northern Alps, Iceland, Great Britain and Newfoundland, and Japan.

### **GSCI 488 - Problems in Geosciences**

Credit Hours: 2.000

This course provides opportunities for laboratory or field research into problems of special interest. Fall and spring semesters upon sufficient interest.

### **GSCI 495 - Field Geology**

Credit Hours: 6.000

This course teaches fundamental applications of traditional geological field mapping methods and recognition of geological features in an outdoor setting. Report writing, presentations, and planning for field

work are also covered. Modern technology is included whenever appropriate to learning field-based methods.

### **GSCI 499 - Independent Study**

Credit Hours: 0.500 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By permission of instructor and approval of the department chair.

### **HCA 179 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

### **HCA 279 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

### **HCA 303 - Health Care Administration**

Credit Hours: 3.000

This course is an introductory Health Care Administration course and will expose the student to the industry and its significant elements and trends of the current health care environment.

Prerequisites:

BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T

### **HCA 305 - Health Care Marketing**

Credit Hours: 3.000

This course involves an analysis, evaluation, and implementation of marketing strategies within health care and managed-care environments. Designed to develop skills in segmenting customer and medical markets, brand products and services, enhance a communication strategy to the consumer, and develop pricing approaches. Methods and models of marketing fundamentals will be introduced.

Prerequisites:

( BUS 304 Minimum Grade: C-

AND HCA 303 Minimum Grade: C- )

OR ( BUS 304 Minimum Grade: T

AND HCA 303 Minimum Grade: T )

### **HCA 311 - Health Care Law & Ethics**

Credit Hours: 3.000

This course presents an overview of the legal and ethical issues faced by health care consumers, practitioners, and administrators. The course will introduce students to the legal aspects of health care at the federal, state, and local levels. Topics covered will include criminal and civil claims against health care providers, corporate and individual liability, and legal and ethical decision-making, individual liability, and legal and ethical decision-making. HCA 361 Health Care Administration. Instructor permission.

Prerequisites:

( BUS 211 Minimum Grade: C-

AND HCA 303 Minimum Grade: C- )

OR ( BUS 211 Minimum Grade: T

AND HCA 303 Minimum Grade: T )

### **HCA 312 - Health Care Med Terminology**

Credit Hours: 3.000

This course will focus on the components of medical terms and the methods for analysis of word definitions. The emphasis will be on learning to define, pronounce, and spell medical terms using prefixes, suffixes, roots, and combining forms related to the anatomy and physiology of the human body. The course will include an introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems.

### **HCA 325 - Health Care Informatics**

Credit Hours: 3.000

This course is a study of record keeping practices in the hospital and physician's office. Emphasis is placed in hospital and medical staff organization, patient record content, procedures in filing, numbering and retention of patient records, quantitative analysis, release of patient information, forms control and design, indexes and registers, reimbursement, regulatory and accrediting agencies, and alternate health care delivery systems. Instructor permission required.

Prerequisites:

( BUS 120 Minimum Grade: C-

AND HCA 303 Minimum Grade: C- )

OR ( BUS 120 Minimum Grade: T

AND HCA 303 Minimum Grade: T )

### **HCA 363 - Health Care Finance**

Credit Hours: 3.000

This course is devoted to the practical aspects of finance in health care, an examination of current practices in financial management of health care organizations, and managerial applications to specific problems facing health care managers. The first part of the course will focus on an overview of health care finance, managerial accounting, and financial analysis. The second part will continue with managerial accounting and financial analysis and will concentrate on the various tools used in financial management. Emphasis is placed on unique issues and concerns that result from the regulatory framework of health care organizations. At the conclusion of this course, the student should be able to discuss the financial structure, market forces, controls and techniques used in the health care management field, be able to read and analyze financial statements and budgets and have the skill to interpret financial and operating performance.

Prerequisites:

( BUS 207 Minimum Grade: C-

AND HCA 303 Minimum Grade: C- )

OR ( BUS 207 Minimum Grade: T

AND HCA 303 Minimum Grade: T )

HCA 379 - Special Topics

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

### **HCA 381 - Health Care Admin Internship**

Credit Hours: 3.000

The Health Administration Internship provides the students the opportunity to gain practical experience and integrate classroom knowledge and theory in an administrative setting within the health care industry.

Prerequisites:

HCA 303 Minimum Grade: C-

OR HCA 303 Minimum Grade: T

### **HCA 399 - Individual Studies**

Credit Hours: 1.000 TO 4.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **HCA 402 - Epidemiology**

Credit Hours: 3.000

This course consists of an examination of epidemiological concepts and methods of studying the distribution and determinants of morbidity and mortality in human population. The knowledge and skills acquired should enable one to understand and critically review scientific literature dealing with epidemiology concepts and measures. Instructor permission.

Prerequisites:

( BUS 318 Minimum Grade: C-

AND HCA 303 Minimum Grade: C- )

OR ( BUS 318 Minimum Grade: T

AND HCA 303 Minimum Grade: T )

### **HCA 455 - Health Care Economics**

Credit Hours: 3.000

This course will examine health care decision-making and the functioning of health care markets in the U.S. The course is not designed as a pure economics theory course but instead emphasizes how you can frame and analyze various health issues using the principles of economics. By doing so, you will gain a powerful new perspective that will help you understand the decisions made by individuals and organizations in the face of scarce resources. Instructor permission.

Prerequisites:

( ECON 255 Minimum Grade: C-

AND ECON 256 Minimum Grade: C-

AND HCA 303 Minimum Grade: C- )

OR ( ECON 255 Minimum Grade: T

AND ECON 256 Minimum Grade: T

AND HCA 303 Minimum Grade: T )

### **HCA 462 - Quality Mgmt in Health Care**

Credit Hours: 3.000

Quality is an important aspect of health care; indeed, for most people, it is the most important aspect. Quality is defined in the dictionary as "degree of excellence" or "superiority in kind." Quality of care must be part of both the process and outcome of health care whenever

possible. The issue is how does the system develop mechanisms to assure such quality? This course serves as an introduction to the process of quality management in health care organizations. Principles of total quality in health care will be discussed. Differentiation between quality assurance and quality management will also be presented. Instructor permission.

Prerequisites:

( BUS 318 Minimum Grade: C-  
AND HCA 303 Minimum Grade: C- )  
OR ( BUS 318 Minimum Grade: T  
AND HCA 303 Minimum Grade: T )

#### **HCA 479 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

#### **HCA 480 - Health Care Policy**

Credit Hours: 3.000

This course is an introduction to health policy. It will focus on how U.S. health policy is developed and will provide students with a general understanding of the policy making process and debates related major U.S. health care legislations.

Prerequisites:

( HCA 303 Minimum Grade: C-  
AND HCA 305 Minimum Grade: C-  
AND HCA 363 Minimum Grade: C- )  
OR ( HCA 303 Minimum Grade: T  
AND HCA 305 Minimum Grade: T  
AND HCA 363 Minimum Grade: T )

#### **HCA 545 - Public Health**

Credit Hours: 3.000

This course provides a comprehensive coverage of traditional public health responsibilities- assessing the burden of disease, preventing and controlling health threats, and developing policies and public administration responses to improve health --in a contemporary framework. It covers the basics of administration, including public health law, human resources management, budgeting and financing, and legislative relations in public health.

#### **HCA 550 - Elderly and Managed Care**

Credit Hours: 3.000

This course will consider long-term service delivery programs designed to meet the special needs of seniors. The course will include a managerial overview of seniors' housing and care and will analyze the demographics of aging, the role of financing, and the evolving marketplace.

#### **HCA 555 - Health Policy**

Credit Hours: 3.000

Critical analysis of federal and state health policy processes, outcomes, and issues. This course allows students to examine the efficiency and effectiveness of health policy issues associated with access, cost, and

quality. Emphasis is placed on policy formulation, implementation, assessment, and modification.

Prerequisites:

HCA 303 Minimum Grade: C

#### **HCA 579 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

#### **HCA 590 - Practicum**

Credit Hours: 3.000

The MHA Practicum: executive skill development is designed to develop and enhance the skills necessary for success as a healthcare executive through management practice in health care administration. The course provides the students the opportunity to gain practical experience and integrate classroom knowledge and theory in an administrative setting within the health care industry.

#### **HCA 595 - HCA Thesis**

Credit Hours: 3.000

The research project serves as a capstone experience as students complete the MBA emphasis area of study. Students will complete a research project involving an introduction to the problem or research question, comprehensive in-depth review of the current literature, research methodology, data collection, and analysis if applicable, and conclusions.

Prerequisites:

BUS 515 Minimum Grade: C

#### **HEAL 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

#### **HEAL 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

#### **HEAL 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interest in the field.

#### **HEAL 500 - Historical/Contemporary Issues**

Credit Hours: 3.000

This course provides students with an overview of the evolution of American higher education as we know it today. The first half of the course is an examination of the history of American higher education, beginning with colonial times and tracing its development to the present. The second half of the course examines current topics in higher education, focusing on perennial issues and why they continue to perplex higher education officials.

#### **HEAL 510 - Admin & Academic Collaboration**

Credit Hours: 3.000

This course provides students with an overview of staffing practices in higher education and the opportunities and challenges for collaboration between faculty, staff, and administration, with a special emphasis on acquiring a better understanding of who faculty are, what faculty do, and what faculty think. Particular attention will be given to how organizational culture drives collaborative efforts in minority serving institutions.

**HEAL 520 - Leadership in MSIs**

Credit Hours: 3.000

This course examines the various leadership theories that inform the practice of administration in colleges and universities and the higher education industry in general. Through assignments, special attention will be geared toward applying these theories to leadership within the context of Hispanic Serving Institutions (HSIs).

**HEAL 530 - Finance/Budgeting in Higher Ed**

Credit Hours: 3.000

This course provides students with an overview of finance and budgeting issues in higher education. It describes the financial resource management in institutions as well as the budgeting process.

**HEAL 540 - Leading for Success in MSIs**

Credit Hours: 3.000

This course examines theories and practices that influence student success. Particular attention will be given to the roles and responsibilities of administrators engaged in managing organizational strategies and interventions within minority serving institutions.

**HEAL 550 - Politics/Policy in Higher Ed**

Credit Hours: 3.000

This course examines state and federal government policies that influence institutions of higher education (IHEs) generally and Hispanic Serving Institutions (HSIs) specifically. The intersection between policies and institutional actions creates a dynamic that influences administrative leadership and student access and success. Effective leaders must account for the context in which they operate, and state and federal policies contribute to that context and, as such, merit special consideration and study.

**HEAL 560 - Data Analysis in Higher Ed**

Credit Hours: 3.000

This course introduces the concepts and skills involved in understanding and analyzing research in a variety of areas in higher education. The course provides an overview of basic, general knowledge of various research methodologies. It emphasizes the conceptual underpinnings of statistical analysis of data, including univariate and bivariate descriptive statistics, sampling distributions, statistical estimation, hypothesis testing and procedures in testing statistical hypothesis for one and two sample designs. This course also enhances

students' abilities to locate, read, comprehend, and critically analyze research articles and reports.

**HEAL 570 - Legal Issues in Higher Ed**

Credit Hours: 3.000

This course is designed to review the impact of the judiciary on higher education. The legal standing of institutions of higher education on issues of staff rights, student rights, and tort liability will be addressed. In addition, the impact of local ordinances, state and federal laws and regulations will be examined.

**HEAL 579 - "Special Topics"**

Credit Hours: 0.050 TO 6.000

Offered periodically to meet student special interests in the field.

**HEAL 580 - Planning/IR/Assessment**

Credit Hours: 3.000

This course provides students with an overview of decision-making strategies and techniques for effective planning, institutional research, and assessment. Particular attention will be given to the diversity of institutional settings and the context within which leaders in higher education practice, including small and large campuses, public and private colleges and universities, system offices, and state and federal level agencies.

**HEAL 581 - Planning/IR/Assess Practicum**

Credit Hours: 2.000

This course provides students actual experiences, through projects and activities, in the management and practice of planning, institutional research, or assessment in a professional setting within higher education administration under supervision. Students will work with administrators in college and university offices whose function is in the planning, institutional research, and assessment domain.

**HEAL 590 - Entrepreneurship in Higher Ed**

Credit Hours: 3.000

This course provides an understanding of the various relationships that enable Institutions of Higher Education to expand their resource base to help them fulfill their missions. Students will examine the importance of external partnerships and activities related to such partnerships, including but not limited to grantsmanship, institutional advancement, and strategic collaborations with public and private entities.

**HEAL 591 - Practicum in Entrepreneurship**

Credit Hours: 2.000

This course provides students actual experiences, through projects and activities, in the management and practice of entrepreneurship and external partnerships, including but not limited to the areas of grantsmanship, institutional advancement, and strategic collaborations with public and private entities. Students will work with administrators in college and university offices whose



function it is to create, maintain, or grow external partnerships and expand the institution's resource base.

**HEAL 598 - HEAL Portfolio**

Credit Hours: 1.000

Program coherence and student learning are demonstrated through a public exhibition and faculty assessment of an e-portfolio. The e-portfolio is required for graduation with a master's degree in HEAL. The e-portfolio will begin during the first course and is finalized during the final two semesters. The course may be repeated for a maximum of 2 semester hours. The e-portfolio serves as a formative and summative evaluation of student learning.

**HEAL 599 - Independent Studies**

Credit Hours: 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 110 - World History and Culture I**

Credit Hours: 3.000

Tour the ancient world as we survey the development of civilization from the dawn of history to 1500 CE. This course examines the major cultures of China, Japan, India, Egypt, Greece, Rome, Medieval Europe, the Byzantine Empire, Africa, the Islamic Empire, and the Mayan, Aztec, Incan, and Native American worlds. Students will gain a foundation in the world's major religious traditions such as Buddhism, Christianity, Hinduism, Islam, and Judaism, as well as explore philosophical and political traditions such as Confucianism and Greek thought.

**HGP 111 - World History and Culture II**

Credit Hours: 3.000

A study of Western and Eastern civilizations from 1500 to the present, with emphasis on cultural and institutional developments. See the emergence of the modern world from the European Renaissance to today. Students will gain an understanding of the origins of modern Europe through the Renaissance, European Reformations, and overseas exploration and colonization. They will learn about the U.S., French, and Spanish American Revolutions, the changes brought by the Industrial Revolution, and the catastrophes of World War I and World War II. They will also gain an understanding of European imperialism and its impact on Africa, India, China, and the Middle East, and the resulting independence movements that ended imperialism. Finally, students will examine conflict in the modern era from the Cold War through the changes brought on by September 11.

**HGP 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HGP 192 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HGP 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 316 - Methods/Teaching Soc Studies**

Credit Hours: 3.000

An introduction to concepts and techniques of imparting state content area standards to middle school and high school students.

Prerequisites:

( ED 200 Minimum Grade: C-

OR ED 200 Minimum Grade: T )

AND ( ED 220 Minimum Grade: C-

OR ED 220 Minimum Grade: T )

**HGP 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HGP 392 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 471 - Senior Seminar**

Credit Hours: 3.000

This course is designed to be the academic capstone experience for all students who have majored in History/Government. All seminar members will participate in the discussion of the assigned reading material. Each student will write a paper that reflects the student's mastery of library usage, research methodology, breadth of knowledge, and writing ability. The students will give oral presentations of their papers to the members of the Seminar. All students enrolled in

the Senior Seminar will also write their Senior Comprehensive Examinations as part of the requirement for all History/Government majors. The Seminar topic will be chosen by the instructor but sufficient methodological approaches will be explored to accommodate the interests of students from either a History or Government emphasis.

**HGP 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HGP 492 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 516 - Methods/Teach Soc Studies-Sec**

Credit Hours: 3.000

This course is an introduction to concepts and techniques if imparting state academic standards to middle and high school students.

**HGP 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HGP 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**HIST 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HIST 192 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HIST 202 - American Hist to 1865 GT-HII**

Credit Hours: 3.000

A chronological examination of American problems and progress.

**HIST 203 - Amer Hist 1865-Present GT-HII**

Credit Hours: 3.000

A chronological examination of American problems and progress.

**HIST 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HIST 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HIST 301 - Colorado History**

Credit Hours: 3.000

The development of Colorado from prehistoric times to the present.

**HIST 305 - The American West**

Credit Hours: 3.000

Historical survey of the Indian-, Hispanic-, and English-speaking groups of the West. Emphasis is on the frontier period.

**HIST 314 - Colonial America**

Credit Hours: 3.000

An examination of the development of Europe's North American colonies from their planting to the eve of the American Revolution.

**HIST 316 - Amer Revol & Federalist Era**

Credit Hours: 3.000

A comprehensive study of the period from 1763 to 1801, with particular attention given to the American Revolution, the Confederation, the Constitutional Convention, and the administrations of Presidents Washington and Adams.

**HIST 318 - Foundations of Amer Diplomacy**

Credit Hours: 3.000

An examination of the United States' relations with other nations from the American Revolution to the end of the 19th century.

**HIST 320 - History of American Women**

Credit Hours: 3.000

This course examines the role of women in American History with special emphasis on how the story of women is told by historians over time. It examines not only the lives of many famous white women, but also the experience of women from various ethnicities and economic backgrounds. In addressing how Americans construct their understanding of women's lives in the U.S., the course will also reassess how focusing on women's lives might alter one's understanding of the

broader patterns and interpretations of American History.

**HIST 322 - The Gilded Age/Progressive Era**

Credit Hours: 3.000

A detailed survey of American diplomatic, social, and political developments from the Civil War to the eve of the World War I, with particular attention given to the industrialization and urbanization of the United States.

**HIST 328 - Chicano History**

Credit Hours: 3.000

A survey of the historical development of the character, economy, social structure, politics, culture, and ideas of the Spanish-speaking people of Mexican descent in the U.S. from settlement until present, with particular attention given to the San Luis Valley.

**HIST 330 - The Middle Ages**

Credit Hours: 3.000

A survey of the development of European civilization from the decline of the Roman Empire to the Italian Renaissance.

**HIST 331 - Renaissance and Reformation**

Credit Hours: 3.000

A survey of European civilization from the end of the Middle Ages through the Renaissance and Reformation, with special emphasis on culture, religion, art, politics, science, and social history.

**HIST 334 - French Revolution & Napoleon**

Credit Hours: 3.000

An examination of the many complex causes, effects, and lessons of the French Revolution, including daily life, the Estates, politics, economics and the absolute monarchy in Old Regime France, the onset of the Revolution, Napoleon and his empire.

**HIST 342 - England**

Credit Hours: 3.000

A study of the social, economic, political, and constitutional development of the English state, with emphasis on the evolution of the Empire and contemporary Great Britain.

**HIST 345 - History of Germany**

Credit Hours: 3.000

A survey of the history of the German people from the Roman period to the fall of the Berlin Wall and reunification of Germany in 1989.

**HIST 346 - Imperial Spain**

Credit Hours: 3.000

This course examines Spanish history from 1700 to the end of the twentieth century, devoting special attention to the role of Spain in Europe and the construction of colonies in Africa and Asia in addition to the Americas.

**HIST 350 - History of Sport in America**

Credit Hours: 3.000

This course covers the development of sports and their significance in American life from colonial period to present. It is designed both to supplement student's

understanding of American History and to examine the role that sports have played in shaping contemporary society. Close attention will be paid to the context of sports development, especially the economic and social environment. Topics will include a study of the role of industrial society in fostering sports, and the changing gender structure of sports.

**HIST 355 - Latin America to 1830**

Credit Hours: 3.000

A survey of the economic, political, and social dimensions of the colonial system. Themes include the pre-Columbian civilizations of the Americas, the imposition of European rule, the place of Latin America in the emerging Atlantic economy, and the independence movements of the early 19th century. Major emphasis will be given to the "core" areas of Mexico, Peru, and Northeastern Brazil, but other regions will also be considered.

**HIST 356 - Latin America Since 1830**

Credit Hours: 3.000

This course will examine the evolution of Latin America from the aftermath of independence to the present. Major themes include: the incorporation of Latin America into the global economy, the effect of the export economy on the region's peasant populations, the building of national states, the fate of revolutionary struggles in the 20th century, and Latin America's "neocolonial" relationship with the United States.

**HIST 357 - Mexico**

Credit Hours: 3.000

Historical survey of the social, intellectual, and political developments from the conquest to the present.

**HIST 360 - Italian Nationhood**

Credit Hours: 3.000

This course is a survey of the history of the Italian nation from the Renaissance to Italy's 21st century role in the European Union.

**HIST 363 - Civil War & Reconstruction**

Credit Hours: 3.000

A study of the ante-bellum South, sectional discord, armed conflict, and reconstruction of the union.

**HIST 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HIST 392 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HIST 426 - US in the Era of World Wars**

Credit Hours: 3.000

A study of the diplomatic, social, and political developments of the first half of the twentieth century, with emphasis on the impact of immigration, urbanization, technology, and America's increasing involvement in world affairs through World War II.

**HIST 427 - The Sixties Era**

Credit Hours: 3.000

This course is a study of U.S. history from World War II through the 1980s, with emphasis on the Cold War, the Vietnam War, and social change in the 1960s era.

**HIST 432 - Age of Revolutions**

Credit Hours: 3.000

This course will serve as a study of the greater Atlantic world between 1750 and 1850 with a major focus on the late Enlightenment and the birth of liberalism, nationalism, and romanticism in trans-Atlantic and revolutionary contexts. It will devote special attention to major political and social revolutions. Additionally, the course will consider the importance of the late Scientific Revolution, the abolition of African slavery, and the early Industrial Revolution.

**HIST 433 - Industry and Empire**

Credit Hours: 3.000

This course will serve as a study of the late nineteenth century to the start of World War I. It will devote special attention to the rise of industrial Europe and the expansion of European imperialism in Africa and Asia. Additionally, the course will consider the importance of the Darwinian Revolution and modernism in several scholarly fields.

**HIST 434 - Twentieth Century Europe**

Credit Hours: 3.000

This course examines how the relationship of Europe and the world has been transformed, whether a new United States of Europe is emerging, or whether Europe is collapsing into ethnic nationalism. Current materials available through the Internet will be used in this course.

**HIST 435 - History of Nazism and Fascism**

Credit Hours: 3.000

This course will survey the history of Italian Fascism and Nazism in Germany from the end of the First World War to 1945.

**HIST 436 - American Thought**

Credit Hours: 3.000

The historical, philosophical, and literary ideas that have influenced American life and thought. Same as GOVT 436 and PHIL 436.

**HIST 470 - Readings in History**

Credit Hours: 3.000

Through directed readings around a topic, this course permits students to explore fundamental questions concerning history or historiography.

**HIST 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HIST 492 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

**HIST 500 - Historiography/Historical Meth**

Credit Hours: 3.000

A historiographical seminar in which students learn and demonstrate a mastery of a variety of methods historians use to understand the past.

**HIST 501 - State History**

Credit Hours: 3.000

A graduate-level survey of the history of a particular state, with emphasis on how meta and national phenomenon impacted a given state, as well as events and phenomena unique to the state.

**HIST 505 - American West**

Credit Hours: 3.000

This course is a survey of the American West with an emphasis on interpretation by historians. Admission to the Master of Arts program is required.

**HIST 507 - Latino History**

Credit Hours: 3.000

This course will give special attention to the loss of land in the late nineteenth century, community formation during the early twentieth century, and the Chicano Movement of the late 1960's and early 1970's. At a deeper level, this course explores both the strengths and weaknesses in the relevant historiography and fundamental questions about the practice of history and the forces that form and serve as custodians of memory.

**HIST 516 - Amer Rev and Federal Era**

Credit Hours: 3.000

A graduate-level survey of the period from 1761 to 1801, with particular attention to the American Revolution, the Confederation, the Constitutional Convention, and the administration of Presidents Washington and Adams.

**HIST 520 - Topics in World History**

Credit Hours: 3.000

This course will involve intensive reading, analysis, and discussion of selected topics/controversies in world history.

**HIST 521 - Women in US History**

Credit Hours: 3.000

This course examines the role of women in American history with special emphasis on how the story of women is told by historians over time. It examines not only the lives of many famous white women, but also

the experiences of women from various ethnicities and economic backgrounds. In addressing how Americans construct their understanding of women's lives in the U.S., this course will also reassess how focusing on women's lives might alter one's understanding of the broader patterns and interpretations of American history.

**HIST 522 - U.S., 1877-1920**

Credit Hours: 3.000

A study of the United States History from 1877 to 1920, with special attention devoted to the economic and social changes brought about as a result of the industrialization. Other topics of particular interest is the changing role of the United States in the world and advent of overseas expansion. The history of reform in the early 20th century through the Progressive Movement can also be a particular emphasis. The course with separate subtitles can be repeated no more than 3 times.

**HIST 526 - U.S. in the Era of World Wars**

Credit Hours: 3.000

A study of the United States History during World War I and World War II, or focused on either War, with special attention devoted to diplomatic, social, and political developments of the specific period under study with emphasis on the impact of immigration, urbanization, technology, and America's increasing involvement in world affairs.

**HIST 531 - Early Modern Europe**

Credit Hours: 3.000

This course is designed to familiarize graduate students with the major themes and historiographical debates found in Early Modern European History. Admission to the Master of Arts program is required.

**HIST 536 - Religion in US History**

Credit Hours: 3.000

This course explores thematically, chronologically, or topically the general religious history of the United States from pre-Columbian times to the present (Graduate Level Survey) or alternatively, major particular themes, eras, or topics from pre-Columbian times down to the present day.

**HIST 540 - U.S. Presidency**

Credit Hours: 3.000

A study of the United States Presidency from 1789 to the present., with special attention devoted to the changing scope and function of the office in the changing context of broader American History. Other topics of particular interest are the key figures who have altered the institution and the role of crises in changing the scope and functioning of the office. The course with separate subtitles can be repeated no more than 3 times.

**HIST 546 - Borderlands**

Credit Hours: 3.000

This course explores borderlands as a site of historical scholarship with special emphasis on the southwestern United States and the United States-Mexico border.

**HIST 550 - US Sports History**

Credit Hours: 3.000

A study of the history of sports and leisure in the United States Presidency from colonial times to the present, with special attention devoted to the changing social context in which sporting activities have taken place. Other topics of particular interest are the roles of race and gender in shaping the world of sport, and the roles of marketing, professional organizations, and media such as television in examining how sport has become part of the fabric of American life. This course views sport both as reflective of broader trends in American society but also as a catalyst of change.

**HIST 551 - Atlantic History**

Credit Hours: 3.000

This course explores the Atlantic world as a field of historical scholarship with a special focus on European colonization of the Americas, African slavery, and the Age of Revolutions.

**HIST 563 - Civil War and Reconstruction**

Credit Hours: 3.000

A graduate-level study of the antebellum South, sectional discord, armed conflict, and reconstruction of the Union.

**HIST 567 - Topics in Political Theory**

Credit Hours: 3.000

A critical evaluation of contemporary political divisions in the United State. The course will focus on the psychology of commitment and the rational justifications for the various positions that define and divide political discourse in the United States. The divisions to be discussed include cultural values, gender/sex, race, and class.

**HIST 568 - U.S.-Latin American Relations**

Credit Hours: 3.000

This course will examine U.S. - Latin Relations from the Monroe doctrine to the present with a more intensive and analytical focus on cold-war relations and the shift to post-cold-war dynamics.

**HIST 569 - African Amer Civil rights Mvmt**

Credit Hours: 3.000

This course explores the Civil Rights Movement within the African American communities and the United States in general from the end of the World War II to the early 1970's.

**HIST 570 - Readings in US History**

Credit Hours: 3.000

This course is a graduate-level directed readings seminar on a common topic.

**HIST 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**HIST 590 - History Practicum**

Credit Hours: 3.000

A graduate-level practicum in the development and of United States History curriculum (education and public history).

**HIST 591 - Thesis**

Credit Hours: 3.000

This course is the culminating experience for the MA program in which students demonstrate mastery of the discipline by producing an acceptable Master's Thesis. Successful completion of 21 hours of graduate-level work in History.

**HIST 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Head.

**ID 179 - Selected Topics**

Credit Hours: 0.500 TO 6.000

Offered periodically to meet student special interests in the field.

**ID 199 - Independent Study**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 279 - Selected Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**ID 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 299 - Individual Study**

Credit Hours: 1.000 TO 16.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 379 - Selected Topics**

Credit Hours: 1.000 TO 11.000

Offered periodically to meet student special interests in the field.

**ID 392 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 399 - Interdivisional**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 479 - Selected Topics**

Credit Hours: 1.000 TO 4.000

Offered periodically to meet student special interests in the field.

**ID 492 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 579 - Selected Topics**

Offered periodically to meet student special interests in the field.

**ID 592 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 599 - Independent Study**

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**IT 151 - Productvty Sftware Appln Assmnt**

Credit Hours: 1.000

This course is a study and review of productivity software. The productivity software should be a current Microsoft Office product. The focus of the course is to explore application software on a comprehensive level to gain expertise needed to support decision-making and manage information. Study includes word processing, spreadsheet applications, presentation and database applications.

**IT 152 - Practical Unix**

Credit Hours: 2.000

A practical introduction to using the Unix operating system with a focus on Linux command line skills. Topics include: grep and regular expressions, ZSH, Vim and Emacs, basic and advanced GDB features, permissions, working with the file system, revision control, Unix utilities, environment customization, and creating and executing shell scripts. Topics may be added, given sufficient interest.

**IT 179 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interest in the field.

**IT 240 - Information Assurance/Security**

Credit Hours: 3.000

This course is an introductory class on information assurance and security including topics like cyber security, web security, network security, platform security, cryptography, defensive programming, threats and attacks, digital forensics, etc. It contains a lab component, where students will get an opportunity to

conduct different security based hands-on activities and will gain an understanding of actual security issues.

Prerequisites:

( CSCI 104 Minimum Grade: C- )

OR ( CSCI 104 Minimum Grade: T )

**IT 253 - Platform Tech/System Admin**

Credit Hours: 3.000

IT professionals will encounter a variety of platforms in their careers. The role of the IT professional is to select, deploy, integrate and administer platforms or components to support the organization's IT infrastructure. This course includes the fundamentals of hardware and software and how they integrate to form essential components of IT systems. The course consists of those skills and concepts that are essential to the administration of operating systems, networks, software, file systems, file servers, web systems, database systems, and system documentation, policies, and procedures. This also includes education and support of the users of the systems.

Prerequisites:

MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

**IT 279 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interest in the field.

**IT 345 - System Integration/Architectur**

Credit Hours: 3.000

One of the roles of the IT professional is to design and build systems and integrate them into an organization. This course develops advanced skills to gather requirements, then source, evaluate and integrate components into a single system, and finally validate the system. It also covers the fundamentals of project management and the interplay between IT applications and organizational processes.

Prerequisites:

( IT 253 Minimum Grade: C- )

OR ( IT 253 Minimum Grade: T )

**IT 355 - System Admin/Maintenance**

Credit Hours: 3.000

The role of the IT professional is to design, select, apply, deploy and manage computing systems to support the organization. This course consists of exploring in depth the skills and concepts that are essential to the administration of operating systems, networks, software, file systems, file servers, web systems, database systems, and system documentation, policies, and procedures. This also includes education and support of the users of these systems.

Prerequisites:

( MATH 106 Minimum Grade: C-

AND IT 253 Minimum Grade: C- )

OR ( MATH 106 Minimum Grade: T

AND IT 253 Minimum Grade: T )

**IT 379 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interest in the field.

**IT 446 - Project Mgmt/Sys Analsis/Desgn**

Credit Hours: 3.000

The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects that will benefit their organizations. In addition, this course discusses Systems Analysis and Design. Project management topics include project management concepts, needs identification, the project manager, teams, project communications, project planning, scheduling, control, and cost performance. Systems analysis topics include analyzing the business case, requirements modeling, data and process modeling, and development strategies. Students also learn about output and user interface design, data design, systems architecture and implementation, and systems operation, support and security. Project management software tools will be an integral part of the course.

Prerequisites

( MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR MATH 120 Minimum Grade: C-

AND CSCI 205 Minimum Grade: C-

AND IT 345 Minimum Grade: C- )

OR ( MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: T

AND CSCI 205 Minimum Grade: T

AND IT 345 Minimum Grade: T )

**IT 479 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interest in the field.

**KIN 100 - Foundations of Kinesiology**

Credit Hours: 3.000

This course serves as an overview of the historical, philosophical, ethical and sociological foundations of Kinesiology. This course will be delivered with a specific emphasis on exercise science, sport management, sport psychology, and coaching. Students also will study current issues, challenges and trends as they relate to professional careers and the administration of sport, fitness, and physical education. Embedded within this course is an introduction to the key Academic Program Goals of Kinesiology.

**KIN 101 - Professional Intro to K-12 PE**

Credit Hours: 2.000

The purpose of this course is to focus on historical and current issues and philosophical perspectives of American physical education and sport. Implications for

today's physical education programs will be identified and discussed.

**KIN 105 - Beginning Swimming**

Credit Hours: 1.000

This course is designed to prepare physical education majors or those with a physical education emphasis to teach swimming and pool related activities. Among the activities of the course are fundamental skills and basic strokes of swimming and water games and activities appropriate for K-12 students.

**KIN 120 - Concepts in Wellness**

Credit Hours: 3.000

In this course, students will learn about the various dimensions of wellness, assess their own health status, and design interventions to improve personal health through lecture, video, laboratory experiences, and physical activities. This course will also provide students with the information necessary to make evidence-based decisions regarding personal wellness and to understand health disparities among diverse populations. There is a physical activity component to this course.

**KIN 123 - Tech/Coach & Offic Softball**

Credit Hours: 3.000

This course is a study of theory, techniques and practical application of coaching softball. The course will cover recent trends and systems, offensive and defensive play, as well as individual and team development as they pertain to the game of softball. A study and application of the rules of officiating softball will be covered.

**KIN 125 - Tech/Coach & Offic Volleyball**

Credit Hours: 3.000

This course is an overview of appropriate techniques and strategies of coaching and officiating the game of volleyball. There is an emphasis on offensive and defensive play, fundamentals of individual skills and play, and the rules and mechanics of officiating volleyball.

**KIN 141 - Teaching Team Activities**

Credit Hours: 3.000

This course is designed to teach basic skills, lead-up activities, and patterns of motor performance needed to successfully participate in and teach a variety of team activities.

**KIN 160 - Intro to Adventure&Leadership**

Credit Hours: 3.000

In this course, students will build an understanding of adventure and leadership through a variety of readings, class discussions, presentations, and hands on adventure activities. Completion of the course will prepare students for future leadership roles and for the KIN 261 Adventure Leadership and Programming Expedition and ALP minor.

**KIN 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

This course is offered periodically to meet student special interests in the field.

**KIN 192 - Workshops**

Credit Hours: 0.500 TO 5.000

These courses are offered on an intermittent basis to meet the needs of special constituents.

**KIN 199 - Independent Studies**

Credit Hours: 1.000 TO 6.000

This course provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**KIN 205 - Sports and Rec Management**

Credit Hours: 3.000

The Sport and Recreation Management course is designed for students preparing for positions with sport and club teams, community recreation, intercollegiate and high school athletics programs, international sport organizations, national and international amateur sport organizations, or firms specializing in sport. The course is designed to emphasize fundamental knowledge in sport and recreation and will prepare students for various roles in the industry. Through lectures, readings, video, and classroom assignments students will gain an understanding of the sport and recreation industry and how to successfully manage and lead an organization.

Prerequisites:

BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T

**KIN 210 - Sport Comm and Techniques**

Credit Hours: 3.000

This course introduces students to the main skills required for sports journalism and public relations, with particular emphasis on writing and public speaking. Students will learn about the historical development and cultural significance of sport and how those have shaped the business of sport. Students will also be introduced to technologies that impact on their abilities to write and disseminate stories and on how those technologies affect the character of messaging.

**KIN 241 - Classroom Mngmnt in PE**

Credit Hours: 1.000

This course provides classroom management strategies for the unique demands of the physical education environment. Examines how to establish and maintain effective managerial task systems.

Prerequisites:

KIN 240 Minimum Grade: C-

OR KIN 240 Minimum Grade: T

**KIN 242 - Assessment in PE**

Credit Hours: 2.000

This course provides assessment strategies in standards-based physical education programs. Examines traditional and alternative assessment.

Prerequisites:



KIN 240 Minimum Grade: C-

OR KIN 240 Minimum Grade: T

**KIN 247 - First Aid, CPR & AED Training**

Credit Hours: 2.000

This course covers practical and accepted first aid methods and techniques stressing evaluation and treatment of injuries caused by common accidents. Certification in Community First Aid and Safety, CPR, Professional Rescuer, Automated External and Defibrillator and Oxygen Administration upon successful skill completion.

**KIN 251 - Teaching Indiv/Dual Activities**

Credit Hours: 3.000

This course is designed for KIN majors within the teaching emphasis. It will educate these majors in the basic skills, lead-up activities, and patterns of motor performance needed to successfully participate in and ultimately teach a variety of individual and dual activities.

Prerequisites:

( KIN 101 Minimum Grade: C-

OR KIN 101 Minimum Grade: T )

AND ( KIN 141 Minimum Grade: C-

OR KIN 141 Minimum Grade: T )

AND ( KIN 240 Minimum Grade: C-

OR KIN 240 Minimum Grade: T )

**KIN 261 - Adv Leadership/Program Exped**

Credit Hours: 6.000

The Adventure Leadership and Programming Expedition (ALP) is a 14-day expeditionary learning experience that takes place in the back country of the Southern San Juan Mountains or the Sangre De Cristo Wilderness. This is the first and introductory course in the Adventure Leadership and Programming Minor. The course seeks to teach the basic principles of outdoor leadership, wilderness expeditioning, and site management. This is one of eight courses that build to the Adventure Leadership and Programming Minor.

**KIN 262 - Climbing Wall Instructor**

Credit Hours: 1.000

The Climbing Wall Instructor Course provides potential instructors with an in-depth and standardized understanding of the skills essential to teaching climbing in an indoor setting. It is the first step in a sequential approach to professional climbing instructor development. The course reinforces the importance of teaching technically accurate information and debunks many common climbing myths. The course emphasizes the presentation of sound fundamental skills to climbing gym participants, the formation of risk assessment and risk management skills and basic problem solving skills such as belay transitions and on wall coaching and assist techniques.

Prerequisites:

KIN 261 Minimum Grade: C-

OR KIN 261 Minimum Grade: T

**KIN 263 - Mountain Bike Site Management**

Credit Hours: 1.000

The Mountain Bike Site Management course provides Adventure Leadership and Programming students with an in-depth understanding of the skills essential for leading and teaching a mountain bike program. This is the third course in the Adventure Leadership and Programming Minor. Over a two-day period, this course will cover mountain biking technique, safety, basic maintenance, course designing, and will reinforce risk management strategies.

Prerequisites:

KIN 261 Minimum Grade: C-

OR KIN 261 Minimum Grade: T

**KIN 264 - Rock Climbing Site Management**

Credit Hours: 2.000

This course will cover the safety concerns surrounding a rock climbing site, equipment use and care, setup of the site, managing participants, and basic physics of climbing and climbing anchors.

Prerequisites:

KIN 262 Minimum Grade: C-

OR KIN 262 Minimum Grade: T

**KIN 266 - Wilderness First Aid (WFA)**

Credit Hours: 1.000

The course is designed to introduce you to the concepts of medical care in a wilderness setting. The course focuses on Basic Life Support skills, minor trauma, selected environmental topics, spine assessment and the ruling out process, allergic and toxic reactions, and "common" medical emergencies.

**KIN 267 - Challenge Course Instructor**

Credit Hours: 1.000

The course provides potential instructors with an in-depth and standardized understanding of the skills essential to facilitating challenge course programs. It is the first step in a sequential approach to professional challenge course facilitator. The course emphasizes the presentation of sound facilitation skills; the formation of risk assessment and risk management skills; on challenge course coaching / assist techniques.

**KIN 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student interests in the field.

**KIN 292 - Workshops**

Credit Hours: 0.500 TO 5.000

These courses are offered on an intermittent basis to meet the needs of special constituents.

**KIN 299 - Independent Studies**

Credit Hours: 1.000 TO 6.000

The course provides the opportunity for independent research/study into problems of special interest in the

field. By faculty permission and approval of the department chair.

**KIN 300 - Promote a Healthy Environment**

Credit Hours: 3.000

In this course licensure candidate students will receive instruction in such areas as conflict resolution and mediation, empathy and compassion, non-violent restraint training, child health and nutritional concerns, crisis intervention, basic first aid and CPR, and emergency protocol as the relate to develop a safe and healthy school atmosphere.

Prerequisites:

BKCK - Minimum Score: 1

**KIN 301 - Sport & Fitness Nutrition**

Credit Hours: 3.000

This course will present a review of basic nutrition. The course will also explore the areas of sport, exercise and fitness nutrition, supplementation, sport drug use and abuse, weight loss diets, eating disorders, weight gain nutrition, body composition, and the metabolic nutritional requirements of various sports and fitness activities.

Prerequisites:

( KIN 329 Minimum Grade: C-

OR KIN 329 Minimum Grade: T )

AND ( BIOL 112 Minimum Grade: C-

OR BIOL 112 Minimum Grade: T

OR BIOL 205 Minimum Grade: C-

OR BIOL 205 Minimum Grade: T )

**KIN 302 - Sports Psychology**

Credit Hours: 3.000

Sports psychology is primarily concerned with the interaction between psychological variables and exercise. This course will review this interaction by addressing variable that affect the individual athlete, influence sport and exercise environments, shape group processes, enhance health and well-being, improve performance, and facilitate psychological growth and development in sport participants.

**KIN 305 - Sport Facility Management**

Credit Hours: 3.000

This course introduces students to the discipline of facility management as they relate to the sport, recreation, and leisure industries. Key topics will include planning, designing, managing, scheduling, leading, and supervising sport facilities.

Prerequisites:

( KIN 100 Minimum Grade: C-

OR KIN 100 Minimum Grade: T )

AND ( BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T )

**KIN 309 - Care/Prev of Athletic Injuries**

Credit Hours: 3.000

The course will focus on the care and prevention of athletic injuries, including the evaluation, nature, types, and functions of various rehabilitation programs.

**KIN 310 - Dance Fundamentals K-12**

Credit Hours: 2.000

The purpose of this dance pedagogy class is to introduce and rehearse the fundamentals of dance, music, and movement education. Dance forms such as folk, contra, square, modern, ballet, social and aerobic dance are integrated into the course and students will be required to perform and teach each dance form.

**KIN 314 - Health Promotion**

Credit Hours: 3.000

This course examines the various factors that may influence a healthy society: heredity, environment, health care services, and lifestyle choices.

**KIN 315 - PE in Elementary School**

Credit Hours: 3.000

The purpose of this course is to provide the student with an understanding of learning theories, a variety of techniques and methods of teaching elementary physical education, experience in the planning and development of lessons and practical experience in working with elementary physical education students in organized experience in a public school.

Prerequisites:

BKCK - Minimum Score: 1

AND ( ED 200 Minimum Grade: C-

OR ED 200 Minimum Grade: T )

AND ( ED 220 Minimum Grade: C-

OR ED 220 Minimum Grade: T )

AND ( KIN 101 Minimum Grade: C-

OR KIN 101 Minimum Grade: T )

AND ( KIN 141 Minimum Grade: C-

OR KIN 141 Minimum Grade: T )

AND ( KIN 240 Minimum Grade: C-

OR KIN 240 Minimum Grade: T )

AND ( KIN 251 Minimum Grade: C-

OR KIN 251 Minimum Grade: T )

Corequisites:

KIN 317

KIN 318

**KIN 317 - PE in Secondary School**

Credit Hours: 3.000

This course is designed to provide pre-professional physical education students to continue to the organizational and content behaviors necessary to become an effective secondary physical educator. Emphasis will be placed on teaching movement concepts, extending and refining motor tasks and providing instructional feedback. 30-40 hours of field experience observing secondary PE education required for this class.

Prerequisites:

BKCK - Minimum Score: 1

AND ( ED 200 Minimum Grade: C  
OR ED 200 Minimum Grade: T )  
AND ( ED 220 Minimum Grade: C  
OR ED 220 Minimum Grade: T )  
AND ( KIN 101 Minimum Grade: C  
OR KIN 101 Minimum Grade: T )  
AND ( KIN 141 Minimum Grade: C  
OR KIN 141 Minimum Grade: T )  
AND ( KIN 240 Minimum Grade: C  
OR KIN 240 Minimum Grade: T )  
AND ( KIN 251 Minimum Grade: C  
OR KIN 251 Minimum Grade: T )

Corequisites:

KIN 319

### **KIN 318 - Field-Based PE Lab-Elementary**

Credit Hours: 1.000

The purpose of this field-based experience is to provide the student with an opportunity to practically apply learning theories, a variety of techniques and methods of teaching, experience in the planning and development of lessons and practical experiences at the elementary level in K-12 public school settings.

Prerequisites:

BKCK - Minimum Score: 1

AND ( ED 200 Minimum Grade: C-  
OR ED 200 Minimum Grade: T )  
AND ( ED 220 Minimum Grade: C-  
OR ED 220 Minimum Grade: T )  
AND ( KIN 101 Minimum Grade: C-  
OR KIN 101 Minimum Grade: T )  
AND ( KIN 141 Minimum Grade: C-  
OR KIN 141 Minimum Grade: T )  
AND ( KIN 240 Minimum Grade: C-  
OR KIN 240 Minimum Grade: T )  
AND ( KIN 251 Minimum Grade: C-  
OR KIN 251 Minimum Grade: T )

Corequisites:

KIN 315

KIN 317

### **KIN 319 - Field-Based PE Lab-Secondary**

Credit Hours: 1.000

The purpose of this field-based experience is to provide the student with an opportunity to practically apply learning theories, a variety of techniques and methods of teaching, experience in the planning and development of lessons and practical experiences at the secondary level in K-12 public school settings.

Prerequisites:

BKCK - Minimum Score: 1

AND ( ED 200 Minimum Grade: C-  
OR ED 200 Minimum Grade: T )  
AND ( ED 220 Minimum Grade: C-  
OR ED 220 Minimum Grade: T )  
AND ( KIN 100 Minimum Grade: C-  
OR KIN 100 Minimum Grade: T )

AND ( KIN 141 Minimum Grade: C-  
OR KIN 141 Minimum Grade: T )  
AND ( KIN 240 Minimum Grade: C-  
OR KIN 240 Minimum Grade: T )  
AND ( KIN 251 Minimum Grade: C-  
OR KIN 251 Minimum Grade: T )

Corequisites:

KIN 315

KIN 317

KIN 318

### **KIN 329 - Exercise Physiology**

Credit Hours: 3.000

This course presents an introduction and overview of the physiological bases of physical education, sport, and athletics. The effects of exercise on the various systems will be considered. Practical application of exercise science to physical fitness and athletic performance will be emphasized.

Prerequisites:

BIOL 112 Minimum Grade: C-  
OR BIOL 112 Minimum Grade: T  
OR BIOL 205 Minimum Grade: C-  
OR BIOL 205 Minimum Grade: T

Corequisites:

KIN 329L

### **KIN 329L - Exercise Physiology Lab**

Credit Hours: 1.000

This exercise physiology lab class is designed to supplement the exercise physiology lecture course. This course will provide students with a hands-on experience in which they can apply concepts learned in the classroom to practice in the human performance laboratory and field of exercise, fitness, and sport.

Prerequisites:

BIOL 112 Minimum Grade: C-  
OR BIOL 112 Minimum Grade: T  
OR BIOL 205 Minimum Grade: C-  
OR BIOL 205 Minimum Grade: T

Corequisites:

KIN 329

### **KIN 340 - Kinesiology**

Credit Hours: 3.000

This course focuses on the nature of human movement as influenced by those motor factors, anatomical factors, and mechanical principles that apply at rest and in motion.

Prerequisites:

( BIOL 112 Minimum Grade: C-  
OR BIOL 112 Minimum Grade: T  
OR BIOL 205 Minimum Grade: C-  
OR BIOL 205 Minimum Grade: T )  
AND ( KIN 329 Minimum Grade: C-  
OR KIN 329 Minimum Grade: T )  
AND ( KIN 329L Minimum Grade: C-  
OR KIN 329L Minimum Grade: T )

**KIN 341 - Human Motor Development**

Credit Hours: 3.000

This course is designed to educate Kinesiology majors in the principles of human motor behavior and its influence on cognitive, affective, and psychomotor development throughout the lifespan. It will introduce students to factors that affect the intellectual, social, emotional, and physical development, growth and maturation of individuals relative to motor acquisition and regression.

Prerequisites:

( BIOL 112 Minimum Grade: C-  
OR BIOL 112 Minimum Grade: T )  
OR ( ( BIOL 205 Minimum Grade: C-  
OR BIOL 205 Minimum Grade: T )  
AND ( BIOL 206 Minimum Grade: C-  
OR BIOL 206 Minimum Grade: T )  
)

**KIN 350 - Methods of Coaching**

Credit Hours: 3.000

This course is intended to provide the foundations of coaching for a person who wants to coach at the youth, elementary, high school or college level. Through a series of discussions, readings, videotaped presentations, internet activities, and guest lectures from coaches in the San Luis Valley, the potential coach will gain the knowledge and skills required to be an effective coach. This course will address the many roles and duties a coach must accept to have the best impact he/she can have on the athlete.

**KIN 360 - Statistics in Kinesiology**

Credit Hours: 3.000

This course is designed to introduce students to statistical theories, data collection procedures, techniques for analysis and interpretation of data in Kinesiology.

**KIN 365 - Winter Leadership Intensive**

Credit Hours: 3.000

The Winter Leadership Intensive is designed to expose students to winter travel and programming in the Southern San Juan Mountains. The course is an immersion experience divided into 4 sections: Avalanche 1 Certification course (3 days), Winter Travel and Camping (2 days), Emergency Response (1 Day), Intro to Ice Climbing Site Management (3 days). This is one of eight courses that build to the Adventure Leadership and Programming Minor. Students enrolled in the course must have previously completed KIN 261 and KIN 264. Admittance to the course requires instructor approval.

Prerequisites:

( KIN 261 Minimum Grade: C-  
OR KIN 261 Minimum Grade: T )  
AND ( KIN 264 Minimum Grade: C-  
OR KIN 264 Minimum Grade: T )

**KIN 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**KIN 380 - Diversity/Equity Sprt & Soc**

Credit Hours: 3.000

This course has a two-fold purpose: first, it is designed to provide a sound introduction to diversity and equity in sport; and second, it is designed to encourage students to ask questions and think critically about sport as a part of society. This course will explore issues around diversity, equity and inclusion in sport and society.

**KIN 390 - Risk Management**

Credit Hours: 3.000

This course explores the structure of the legal system, aspects of product liability, negligence, safety, and liability in the sport industry. Students will learn how to develop contracts designed to alleviate responsibility from a practitioner and/or organization from liability due to ordinary negligence. This course also includes discussions and practical applications for establishing a risk management system for facilities and sports programs.

Prerequisites:

( KIN 120 Minimum Grade: C-  
OR KIN 120 Minimum Grade: T )  
AND ( BUS 103 Minimum Grade: C-  
OR BUS 103 Minimum Grade: T )

**KIN 391 - Sport Ethics & Leadership**

Credit Hours: 3.000

This course explores the myriad of moral and ethical issues pertaining to athletes, sports, and sport organizations and how these apply to professionals in the field of sport management. The course will also explore leadership theories and philosophies. Current examples of ethical dilemmas in sport and sport management will be presented, and students will explore their personal ethics in relation to these issues.

**KIN 392 - Workshops**

Credit Hours: 0.500 TO 5.000

These courses are offered on an intermittent basis to meet the needs of special constituents.

**KIN 399 - Independent Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**KIN 405 - Event Management**

Credit Hours: 3.000

This course focuses student attention on the processes of event management as they relate to the sport, recreation, and leisure industries. During this course, students will become familiar with the techniques and strategies needed to plan, organize, implement, and evaluate special sport and sport-related events. The end product of this High Impact Practice course will conclude with

students organizing and executing a special event working with a community organization.

Prerequisites:

( KIN 100 Minimum Grade: C-

OR KIN 100 Minimum Grade: T )

AND ( BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T )

**KIN 415 - Funding Sports Organizations**

Credit Hours: 3.000

This course examines the methods by which sport organizations acquire funds in various settings (professional, amateur, non-profit). Economic implications for sports teams will be observed, as well as taxes, player contracts, and other financial challenges, concepts, and strategies within sport.

Prerequisites:

( KIN 100 Minimum Grade: C-

OR KIN 100 Minimum Grade: T )

AND ( BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T )

AND ( ECON 256 Minimum Grade: C-

OR ECON 256 Minimum Grade: T )

OR BUS 207 Minimum Grade: C-

OR BUS 207 Minimum Grade: T )

**KIN 420 - Ethics in Sports Management**

Credit Hours: 3.000

This course explores the myriad of moral and ethical issues pertaining to athletes, sports, and sport organizations and how these apply to professionals in the field of sport management. Current examples of ethical dilemmas in sport and sport management will be presented and students will explore their personal ethics in relation to these issues.

Prerequisites:

( KIN 100 Minimum Grade: C-

OR KIN 100 Minimum Grade: T )

AND ( BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T )

**KIN 422 - Exercise Eval & Fitness Mngmnt**

Credit Hours: 3.000

This course is designed to familiarize students with the current methods used to determine levels of fitness in apparently healthy individuals, as well as individuals from special populations. Students will learn how to prescribe exercise for these individuals based on their fitness evaluation, basic training principles and other considerations. Students will be given the opportunity to test various individuals within specific testing parameters, and apply course knowledge to practical situations.

Prerequisites:

KIN 329L Minimum Grade: C-

OR KIN 329L Minimum Grade: T

**KIN 425 - Sport Law**

Credit Hours: 3.000

This course explores the structure of the legal system, aspects of constitutional law, labor and anti-trust law, tort law, product liability, contract law, administrative law, and statutory law applicable to the sport industry.

Prerequisites:

KIN 390 Minimum Grade: C-

OR KIN 390 Minimum Grade: T

**KIN 427 - Coaching Tech Strngth/Cond**

Credit Hours: 3.000

This course is designed to provide information relative to the basic foundation of coaching sports conditioning including muscle physiology, bioenergetics, training methodology, exercise technique, program design, and facility management. Students will be given the opportunity to develop a general strength coaching philosophy and to demonstrate their knowledge relative to proper lifting techniques demonstrate their knowledge relative to proper lifting and training procedures.

Prerequisites:

KIN 329 Minimum Grade: C-

OR KIN 329 Minimum Grade: T

**KIN 429 - Advanced Exercise Physiology**

Credit Hours: 3.000

This course involves the advanced study of the various physiological systems involved in exercise, fitness and sport. The effects of exercise on these systems will be investigated. Practical application of exercise science knowledge and research to physical fitness and athletic performance will be emphasized.

Prerequisites:

( KIN 329 Minimum Grade: C-

OR KIN 329 Minimum Grade: T )

AND ( KIN 329L Minimum Grade: C-

OR KIN 329L Minimum Grade: T )

**KIN 430 - Biomechanics**

Credit Hours: 3.000

This course will involve the study of the mechanical principles and factors that influence human movement. Students will develop an understanding of the biomechanical principles to human movement.

Prerequisites:

( KIN 329 Minimum Grade: C-

OR KIN 329 Minimum Grade: T )

AND ( KIN 329L Minimum Grade: C-

OR KIN 329L Minimum Grade: T )

AND ( KIN 340 Minimum Grade: C-

OR KIN 340 Minimum Grade: T )

**KIN 433 - Intl Perspectives of Spt Mgmnt**

Credit Hours: 3.000

This course will provide students with an understanding of the major concepts, trends, and critical issues in international sport management. Students will explore different international approaches to sport management which will involve comparing the policies, structure and governance of sport in various countries and identifying

the challenges and good practices associated with different international approaches.

Prerequisites:

( KIN 100 Minimum Grade: C-

OR KIN 100 Minimum Grade: T )

AND ( BUS 103 Minimum Grade: C-

OR BUS 103 Minimum Grade: T )

### **KIN 436 - Applied Sports Psychology**

Credit Hours: 3.000

This course focuses on the practice of sport psychology.

The course will review the significance of relevant psychological concept, and develop students' knowledge and skills relevant for applied sport psychology.

Students will explore and experience the process of learning, developing and practicing techniques used to improve the athletic performance of individuals, groups, and teams.

Prerequisites:

KIN 190 Minimum Grade: C-

OR KIN 190 Minimum Grade: T

### **KIN 438 - Soc Aspects of Sports and PE**

Credit Hours: 3.000

This course is designed to introduce students to the sociological aspects of sport and encourage students to ask questions and think critically about sports as part of social life. It is intended for those students taking their first look at sports from a sociological perspective.

### **KIN 448 - Adapted Physical Activity**

Credit Hours: 3.000

This course is designed to introduce students to legal issues and current trends in instruction and programming across a variety of adapted physical activity settings. Emphasis will be placed on developing knowledge of various disabling conditions, potential activity modifications, and placement alternatives in the physical activity setting. Instruction will focus on inclusion of individuals with special needs in the general physical education program and other physical activity settings as well as the acquisition of lifetime physical activity skills.

Prerequisites:

( KIN 341 Minimum Grade: C-

OR KIN 341 Minimum Grade: T )

AND ( ( BIOL 112 Minimum Grade: C-

OR BIOL 112 Minimum Grade: T )

OR ( ( BIOL 205 Minimum Grade: C-

OR BIOL 205 Minimum Grade: T )

AND ( BIOL 206 Minimum Grade: C-

OR BIOL 206 Minimum Grade: T )

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### **KIN 450 - Senior Capstone**

Credit Hours: 3.000

This course is designed as a culminating experience for Human Performance & Physical Education majors. The focus of this High Impact Practice course will be on

integrating prior knowledge, competencies, and experiences into practical applications and further professional development. Three main areas will be covered: service-learning, professional development, and personal reflection in relation to the student experience at Adams State.

Prerequisites:

BKCK - Minimum Score: 1

### **KIN 468 - Mountaineering Capstone Exp**

Credit Hours: 3.000

This course serves as the culminating experience of the Adventure Leadership and Programming minor. In the first half of the course, students learn the skills necessary to travel effectively in high angle terrain on snow and ice in the mountain environment (6 days). In the second half, students bring all of their learning from the minor together to design and lead a 5-day expedition. This experience provides the final challenge of the ALP minor allowing students to demonstrate their competencies.

Corequisites:

KIN 261

KIN 264

KIN 266

KIN 356

### **KIN 479 - Special Topics**

Credit Hours: 0.500 TO 6.000

Offered periodically to meet student special interests in the field.

### **KIN 480 - Coaching Practicum**

Credit Hours: 3.000

In this course, students will gain actual field-based experience in coaching. This course will give the student an opportunity to gain documented experience as a coaching intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites:

KIN 350 Minimum Grade: C-

OR KIN 350 Minimum Grade: T

### **KIN 484 - Exercise Science Practicum**

Credit Hours: 3.000

In this course, students will gain actual field-based experience in the exercise science field. This course will give students the opportunity to gain documented experience as an exercise science intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites:

( KIN 329 Minimum Grade: C-

OR KIN 329 Minimum Grade: T )

AND ( KIN 422 Minimum Grade: C-

OR KIN 422 Minimum Grade: T )

### **KIN 485 - Sport Management Practicum**

Credit Hours: 3.000

In this course, students will gain actual field-based experience in the sport management field. This course will give students an opportunity to gain documented experience as a sport management intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites:

KIN 305 Minimum Grade: C-

OR KIN 305 Minimum Grade: T

### **KIN 486 - Sport Psychology Practicum**

Credit Hours: 3.000

In this course, students will gain actual field-based experience in the sport psychology field. This course will give students an opportunity to gain documented experience as a sport psychology intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites:

KIN 190 Minimum Grade: C-

OR KIN 190 Minimum Grade: T

### **KIN 487 - Sports Studies Practicum**

Credit Hours: 3.000

In this course, students will gain actual field-based experience in the sports studies area. This course will give students the opportunity to gain documented experience as a sport studies intern in a sport related business environment, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites:

KIN 100 Minimum Grade: C-

OR KIN 100 Minimum Grade: T

### **KIN 492 - Workshops**

Credit Hours: 0.500 TO 5.000

These courses are offered on an intermittent basis to meet the needs of special constituents.

### **KIN 499 - Independent Studies**

Credit Hours: 1.000 TO 6.000

This course provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **KIN 503 - Introduction to Research**

Credit Hours: 3.000

This is an introductory research course for graduate students focusing on the area of physical education and human performance. Participants will develop an understanding of the purpose and importance of research in this specific area, overview basic elements of quantitative, qualitative, mixed methods, and action research methods, enhance skills to evaluate and critique problem statement for a specific research study, and gain an appreciation for conducting research.

### **KIN 504 - Methods of Coaching**

Credit Hours: 3.000

This course focuses on the foundations of coaching any sport at all levels. Students will have the opportunity to develop a personal coaching philosophy that will encompass ethical and professional expectations in the field of coaching. Instructional and theoretical techniques will be used to show effective coaching strategies, behavioral issues, and personal roles of coaches to enhance or increase athletic performance. This course will also focus on the differences between levels in competitive sports, including youth programs, interscholastic, intercollegiate levels.

### **KIN 505 - Sports Mrkting&Public Relation**

Credit Hours: 3.000

This course prepares students with the tools needed to develop effective marketing and public relations strategies for sports and athletic programs. Topics such as marketing, advertising, public relations strategies, consumer behavior, licensing, and sponsorship will be explored.

### **KIN 509 - Sports Physiology**

Credit Hours: 3.000

This course is designed to emphasize background knowledge in Exercise Physiology and Sport Science. Students will learn advanced structure and function of human neuromuscular and cardiovascular systems and develop working knowledge of adaptations made by these systems during training. Students will also learn to apply knowledge learned about external factors affecting these systems including the environmental conditions, nutrition, and ergogenic aids.

### **KIN 510 - Positive Psychology**

Credit Hours: 3.000

A study of positive psychology, specifically looking at well-being as it relates to participants in sport and performance settings.

### **KIN 515 - Administration of Sport**

Credit Hours: 3.000

This course is designed to teach students the important principles, concepts, research, and theories of managing a sport organization. Students will develop the ability to apply the management principles to interscholastic, intercollegiate and professional and Olympic sports. Students will learn the fundamental principles such as: organizational development, marketing, human resources, strategic planning, sport culture, media relations, fundraising, event management, and leadership as it relates to sport.

Prerequisites:

BUS 500

### **KIN 520 - Mental Health in Sport**

Credit Hours: 3.000

A study of psychological disorders and abnormal human behavior as it relates to participants in sport and performance settings.

### **KIN 525 - Facilities/Event Management**

Credit Hours: 3.000

This course introduces graduate students to the discipline of facility and event management as they relate to the sport, recreation, and leisure industries. Key topics will include planning, designing, managing, scheduling, maintaining, and supervising sport facilities. In addition, students will become familiar with the techniques and strategies needed to plan, promote, manage, and evaluate special sport and sport-related events.

**KIN 527 - Sport Law**

Credit Hours: 3.000

This course is designed to provide the student with an understanding of the legal issues involved in supervision, management, and conduct in sport and recreation.

**KIN 529 - Physiology of Exercise**

Credit Hours: 3.000

An advanced overview of the physiological basis of physical education and athletics. The effects of exercise on various systems will be considered. Practical application of exercise science to physical fitness and athletic training and performance will be emphasized.

Prerequisites:

KIN 530 Minimum Grade: B-

**KIN 530 - Human Performance Lab**

Credit Hours: 3.000

The Human Performance Lab Internship in the department of KIN is a planned, meaningful work experience. The primary purpose of the human performance lab internship is to allow students the opportunity for hands-on use of various methods of and equipment for exercise/fitness testing, and to work directly with test subjects so that he/she is able to apply some of the principles learned in the Physiology of Exercise course.

**KIN 533 - Financing Sport**

Credit Hours: 3.000

This course applies financial and economic principles to various professional, collegiate, or high school level sport programs as well as exercise-related settings. The course will provide the student with a practical background regarding the principles of financial management, economic theory, and financial systems for the purpose of planning, administering, reporting, and evaluating the financial performance of a sport organization.

Prerequisites:

KIN 515 AND BUS 520

**KIN 536 - Sport Psychology**

Credit Hours: 3.000

A study of the fundamental concepts, science and theory in sport psychology and the implications for effective teaching and coaching related to this knowledge.

**KIN 538 - Diversity and Equity in Sport**

Credit Hours: 3.000

This course explores aspects of diversity and equity in sport. This course has a two-fold purpose: first, it is designed to provide a sound introduction to diversity and equity in sport; and second, it is designed to encourage students to ask questions and think critically about diversity, equity, and inclusion in sport and interaction with society. This course will explore issues around diversity, equity, and inclusion in sport and society.

**KIN 539 - Strength and Conditioning**

Credit Hours: 3.000

This course is designed to provide information relative to the basic foundation of coaching sport conditioning including muscle physiology, bioenergetics, training methodology, exercise technique, program design, and facility management. Students will be given the opportunity to develop a general strength training program for a specific sport and to demonstrate their knowledge relative to proper lifting techniques and training procedures.

Prerequisites:

KIN 509 Minimum Grade: C

**KIN 540 - Biomechanics**

Credit Hours: 3.000

This course will involve the study of the anatomical and mechanical principles underlying human movement. Practical application of biomechanical principles in human movement and various sport activities will be emphasized.

**KIN 543 - Stat Methods in Kinesiology**

Credit Hours: 3.000

This course is designed as an introduction of the statistics used in measurement and evaluation, and provides opportunities for students to analyze current research in Kinesiology.

Prerequisites:

KIN 509 Minimum Grade: B

**KIN 545 - Exercise and Sport Nutrition**

Credit Hours: 3.000

An advanced study of nutrition as it applies to exercise and sport. Application of nutrition practices to health, fitness and performance will be explored, as well as issues of supplementation, drug abuse, weight loss/gain strategies, and metabolic nutritional requirements for a variety of sports and exercising individuals.

Prerequisites:

KIN 529 Minimum Grade: B

**KIN 550 - Applied Sport Psychology**

Credit Hours: 3.000

This course focuses on application of sport psychology principles in practice. This course will focus on the scientist-practitioner model in relation to using evidence-based practices. There will be an emphasis on learning the various mental skills applied to teaching athletes, coaches, and teams; such as motivation, focus,



composure, confidence, resiliency, quality practice, well-being, visualization, mastery and team cohesion.

**KIN 556 - Strategic Mngmnt/Leadership**

Credit Hours: 3.000

This course will provide a detailed overview of strategic management and leadership with an emphasis on the management of sport organizations in the commercial, public and not for profit sectors. This course will enable learners to evaluate the relevance of distinctive strategic management tools and consider how these can be applied to support the development of effective sport and sport-related organizations. Students also will examine the principles of effective leadership and reflect on their personal leadership style, the skills and competencies that support the style as well as examining plans for personal and professional development.

Prerequisites:

BUS 500 Minimum Grade: C

**KIN 560 - Mental Strength & Cond**

Credit Hours: 3.000

This graduate course focuses on advanced techniques and practices of mental strength and conditioning and explores evidence based practices in mental training. Effective coaching strategies, behavioral issues, and personal roles of mental strength coaches that enhance athletic performance will be discussed. This course will focus on the differences between levels in competitive sports, including youth programs, interscholastic, and intercollegiate levels.

Prerequisites:

**KIN 570 - Ethics in Applied Sports Psych**

Credit Hours: 3.000

This course will explore ethical and legal issues that applied sport psychology professionals often encounter in their work as teachers, researchers, and practitioners. This course is designed to educate the student on the Association for Applied Sport Psychology (AASP) Code of Ethic's, which consists of 6 ethical principles and 26 standards and to meet standards for the required ethics course to sit to take the AASP Certified Mental Performance Consultant exam.

**KIN 579 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interest in the field.

**KIN 580 - Field Study in Kinesiology**

Credit Hours: 3.000

Formal study of program administration designed to acquaint the graduate student with the program philosophy, budgeting procedure and philosophy, scheduling and legal aspects of program administration.

**KIN 581 - Case Studies in Appl Sport Psy**

Credit Hours: 3.000

This course explores concepts in applied sport psychology through the use of case studies to practice

applying sport psychology in real life scenarios. This course will focus on case studies from different aspects of competitive sport, including youth, interscholastic, intercollegiate and professional/national levels. This course will also highlight experts in the field of applied sport psychology and their methods of practice.

Prerequisites:

**KIN 585 - Practicum in Kinesiology**

Credit Hours: 3.000

The practicum is designed to provide a structured practical experience for which the student is preparing. The assignment must be under the supervision of a qualified professional. The practicum is designed to provide the graduate student an actual field-based experience in a health, physical education, recreation, or athletic environment. The experience should give the student the opportunity to work with a working professional while enhancing and expanding the skills developed during their undergraduate and graduate programs. The practicum will consist of a minimum of 150 hours. Completion of at least 18 graduate KIN credits are also required prior to course registration.

Prerequisites:

KIN 503 Minimum Grade: C

AND KIN 543 Minimum Grade: C

**KIN 591 - Thesis Proposal**

Credit Hours: 3.000

This course represents the first part of a two-part culminating experience for the graduate student in Kinesiology. It is intended that his course will provide a practical and thorough experience working through a professionally designed research project. Completion of at least 18 graduate KIN credits are also required prior to course registration.

Prerequisites:

KIN 503 Minimum Grade: C

AND KIN 543 Minimum Grade: C

**KIN 593 - Master's Thesis**

Credit Hours: 3.000 TO 6.000

This course represents the culminating experience for the graduate student in the Master of Science in Exercise Science program. This course will provide a practical and thorough experience working through a professionally designed research project. It will include a written and oral presentation of the thesis proposal, as well as a written and oral defense of the completed Master's thesis. This course will be taken in the last year of the student's program at Adams State University.

Prerequisites:

KIN 503 Minimum Grade: C

AND KIN 543 Minimum Grade: C

**KIN 596 - Capstone Project**

Credit Hours: 3.000

This course is designed to integrate coursework into a capstone experience. It is an applied research course

requiring students to utilize the tools and information from all the student's coursework into a timely, useful capstone project in cooperation with their professional needs. This course is designed to integrate coursework into a capstone experience. It is an applied research course requiring students to utilize the tools and information from all the student's coursework into a timely, useful capstone project in cooperation with their professional needs.

Prerequisites:

KIN 503 Minimum Grade: C

AND KIN 543 Minimum Grade: C

### **KIN 599 - Independent Study**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

### **LLC 592 - Workshops**

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **LS 225 - Research Skills/Behavior Sci**

Credit Hours: 1.000

In this one-credit course, Sociology and Psychology majors will learn how to and use a variety of print and electronic resources specific to their discipline.

Understanding the process of writing a literature review is the emphasis of the course.

### **LS 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission.

### **MATH 095 - Pre-Algebra Skills**

Credit Hours: 3.000

Numeration, operations on whole numbers, factoring, prime numbers, arithmetic operations, decimal numerals, percent, measures, ratios and proportion, and averages. Course is graded on an S/U basis and does not provide credit toward bachelor's degrees.

### **MATH 097 - Basic Algebra Skills**

Credit Hours: 3.000

The content of this course focuses on linear equations, linear inequalities, linear functions, linear graphs, and applications. Also included are reviews of rational numbers, exponents, powers, and scientific notation. Non-linear functions are introduced. All topics are approached from multiple directions integrating basic skills, word problems, practical applications, modeling, and calculator use. Course is graded on an S/U basis and does not provide credit towards Bachelor's or Associate's degrees.

Prerequisites:

MATH 095 Minimum Grade: S

OR MATH 095 Minimum Grade: T

OR ACMA - Minimum Score: 040

OR MAPT - Minimum Score: 11

OR ALEK - Minimum Score: 014

### **MATH 099 - Intermediate Algebra**

Credit Hours: 3.000

This course covers a review of linear equations, inequalities, functions, and graphs, as well as systems of linear equations before moving on to focus on quadratic equations, functions, and graphs. In addition, students will receive an introduction to powers, radicals, exponential functions and logarithms. Course is graded on a pass/fail basis and does not provide credit towards Bachelor's or Associates degrees.

Prerequisites:

MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: S-C

OR MATH 097 Minimum Grade: T

OR MAPT - Minimum Score: 20

OR ACMA - Minimum Score: 055

OR A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR ALEK - Minimum Score: 030

OR ALEK - Minimum Score: 030

### **MATH 104 - Finite Mathematics GT-MA1**

Topics covered include functions and their graphs, matrices, linear programming, probability, and descriptive statistics. Applications are presented from the areas of biology, business, behavioral sciences, economics, and the social sciences.

Prerequisites:

MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: S

OR MATH 097 Minimum Grade: S-C

OR MATH 097 Minimum Grade: T

OR MATH 099 Minimum Grade: S

OR MATH 099 Minimum Grade: S-C

OR MATH 099 Minimum Grade: T

OR MAPT - Minimum Score: 23

OR S02 - Minimum Score: 460

OR S12 - Minimum Score: 500

OR A02 - Minimum Score: 19

OR ACMA - Minimum Score: 085

OR MME - Minimum Score: 1

OR ALEK - Minimum Score: 030

### **MATH 106 - College Algebra GT-MA1**

Credit Hours: 3.000

An introduction to the basic techniques of algebra. Topics include functions (linear, quadratic, polynomial, root, rational, exponential, and logarithmic), systems of equations, matrix algebra, inequalities, and complex numbers. Optional topics include partial fractions, synthetic division, mathematical induction, sequences and series, and counting principles.

Prerequisites:

MATH 099 Minimum Grade: S  
OR MATH 099 Minimum Grade: S-C  
OR MATH 099 Minimum Grade: T  
OR MAPT - Minimum Score: 23  
OR A02 - Minimum Score: 22  
OR S02 - Minimum Score: 530  
OR S12 - Minimum Score: 560  
OR ACMA - Minimum Score: 109  
OR ALEK - Minimum Score: 046

### **MATH 107 - Trig/ Analytic Geometry GT-MA1**

Credit Hours: 3.000

An introduction to the tools and techniques of trigonometry. Topics include angles and their measures, the six trigonometric functions and their properties, inverse trigonometric functions, graphs, identities including the Law of Sines and the Law Cosines, trigonometric equations, and solving triangles. Optional topics include complex numbers, De Moivre's Theorem, polar coordinates, and analytic geometry.

Prerequisites:

MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: T  
OR MATH 106 Minimum Grade: C-  
OR ALEK - Minimum Score: 061

### **MATH 110 - Intro to Statistics, GT-MA1**

Topics covered include sampling methods, types of random variables and parameters, descriptive statistics (such as 5-number summary, mean, standard deviation), data presentations (such as bar charts, histograms), introductory probability, standard normal and t distributions, z scores, hypothesis testing, confidence intervals, types of errors, and regression and correlation. Optional topics include chi-squared and probability distributions (such as binomial and geometric). Class periods will often be scheduled in a computer lab to exhibit calculations using technology. This can include using spreadsheets and statistics software packages. Students will be expected to write their conclusions, describe what the statistics tell us, and identify limitations and/ or problems with their conclusions.

Prerequisites:

MATH 097 Minimum Grade: S  
OR MATH 097 Minimum Grade: S  
OR MATH 097 Minimum Grade: S-C  
OR MATH 097 Minimum Grade: T  
OR A02 - Minimum Score: 19  
OR S02 - Minimum Score: 440  
OR S12 - Minimum Score: 500  
OR ALEK - Minimum Score: 030  
OR ( ( MATH 095 Minimum Grade: S  
OR MATH 095 Minimum Grade: S-C  
OR MATH 095 Minimum Grade: T )  
AND ( ENG 102 Minimum Grade: C-  
OR ENG 102 Minimum Grade: T )  
)

### **MATH 120 - Calculus I GT-MA1**

Credit Hours: 5.000

An introduction to the calculus of functions of one real variable. Topics include limits, continuity, derivatives, graphing techniques, optimization, related rates, Newton's method, indeterminate forms and L'Hopital's rule, antiderivatives, the definite integral, and the Fundamental Theorem of Calculus.

Prerequisites:

(( MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: T )  
AND ( MATH 107 Minimum Grade: C-  
OR MATH 107 Minimum Grade: C-  
OR MATH 107 Minimum Grade: T )  
)  
OR A02 - Minimum Score: 26  
OR S02 - Minimum Score: 600  
OR S12 - Minimum Score: 620  
OR ALEK - Minimum Score: 076

### **MATH 121 - Calculus II GT-MA1**

Credit Hours: 5.000

A continuation of the calculus of functions of one real variable. Topics include integration, application of the definite integral, techniques of integration, improper integrals, arc length, surface area, volume, infinite series, and Taylor series.

Prerequisites:

MATH 120 Minimum Grade: C-  
OR MATH 120 Minimum Grade: T

### **MATH 140 - Geometry Using Technology**

Credit Hours: 3.000

An introduction to the major concepts of Euclidean Geometry using interactive geometric visualization software such as Geometer's Sketchpad, Kig, or C.a.R. Students will use the software to survey Euclidean Geometry and discover basic principles and theorems.

Prerequisites:

A02 - Minimum Score: 19  
OR ACMA - Minimum Score: 085  
OR MATH 099 Minimum Grade: S  
OR MATH 099 Minimum Grade: T

### **MATH 150 - Librl Arts Mathematics GT-MA1**

Credit Hours: 3.000

A quantitative and qualitative exploration of some of the great ideas and methods of mathematics. Topics covered include problem solving, infinity, logic, probability, statistics, Fibonacci numbers, the golden ratio, topology, non-Euclidean geometry, Pascal's triangle, tiling, fractals, chaos, and higher dimensions. Prerequisites: A satisfactory grade in MATH 099, or a minimum ACT score of 19, or a minimum SAT score of 440, or a minimum Accuplacer score of 85. For students who do not meet these prerequisite requirements, but have successfully finished MATH 095 or a higher math

course, have completed a minimum of 24 credit hours with a C- or higher at ASU, have a minimum cumulative GPA at ASU of 2.25, and have completed ENG 102 with a minimum grade of C- are eligible to enroll in this course. These students will need to see the department chair to register.

Prerequisites:

A02 - Minimum Score: 19  
OR S02 - Minimum Score: 440  
OR S12 - Minimum Score: 500  
OR ACMA - Minimum Score: 085  
OR ALEK - Minimum Score: 030  
OR MATH 099 Minimum Grade: S  
OR MATH 099 Minimum Grade: S-C  
OR MATH 099 Minimum Grade: T  
OR ( ( MATH 095 Minimum Grade: S  
OR MATH 095 Minimum Grade: S-C  
OR MATH 095 Minimum Grade: T  
OR ACMA - Minimum Score: 40 )  
AND ( ENG 102 Minimum Grade: C-  
OR ENG 102 Minimum Grade: C-  
OR ENG 102 Minimum Grade: T )  
)

### **MATH 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **MATH 192 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **MATH 199 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **MATH 205 - Intro to Statistical Methods**

Credit Hours: 3.000

Basic techniques of applied statistics, including data organization and presentation, experiment design, calculating statistical measures, choosing, applying, and interpreting statistical tests, correlation and regression, and software utilization.

Prerequisites:

MATH 104 Minimum Grade: C-  
OR MATH 104 Minimum Grade: C-  
OR MATH 104 Minimum Grade: T  
OR MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: T  
OR MATH 107 Minimum Grade: C-  
OR MATH 107 Minimum Grade: C-  
OR MATH 107 Minimum Grade: T  
OR MATH 120 Minimum Grade: C-  
OR MATH 120 Minimum Grade: T

### **MATH 220 - Calculus III**

Credit Hours: 4.000

This course is an introduction to the calculus of functions of several variables. Typical topics include three-dimensional analytic geometry, vectors, parametric curves and surfaces, arc length and curvature, limits, continuity, partial derivatives, gradients, directional derivatives, tangent planes, multiple integrals, vector fields, line and surface integrals, Green's theorem, Stokes' Theorem, and the divergence theorem.

Prerequisites:

MATH 121 Minimum Grade: C-  
OR MATH 121 Minimum Grade: T

### **MATH 236 - Research in Mathematics**

Credit Hours: 1.000

An independent research course. The student will work with a professor on a research project either designed by the student or the professor. The student's research must result in a paper and a presentation before a group of peers and professors.

Prerequisites:

MATH 121 Minimum Grade: C-  
OR MATH 121 Minimum Grade: T

### **MATH 250 - Intro to Mathematical Thought**

Credit Hours: 3.000

This course looks at topics central to further study in mathematics. These include symbolic logic, especially as it applies to mathematical proof; methods of mathematical proof such as direct proof, indirect proof, and by induction; use and meaning of mathematical quantifiers and predicates; sets; relations; equivalence relations and partitions; order relations; and functions and their properties.

Prerequisites:

MATH 120 Minimum Grade: C-  
OR MATH 120 Minimum Grade: T

### **MATH 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

### **MATH 292 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents

### **MATH 299 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **MATH 321 - Linear Algebra**

Credit Hours: 3.000

An introduction to linear algebra. Typical topics include solutions of systems of linear equations, matrix algebra, determinants, vector spaces, linear independence, span, basis, dimension, coordinates, linear transformations,

matrix representations of linear transformations, eigenvalues, eigenvectors, diagonalization, Gram-Schmidt orthonormalization projection, and applications.

Prerequisites:

MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T

### **MATH 322 - Algebraic Structures I**

Credit Hours: 3.000

An introduction to the theory of groups. Typical topics include sets, mappings, binary operations, equivalence relations, partitions, the integers, induction, the well-ordering property, elementary number theory, cryptography, coding theory, groups (permutation groups, symmetry groups, matrix groups, and cyclic groups), subgroups, cosets, Lagrange's theorem, normal subgroups, homomorphisms, isomorphisms, Cayley's theorem, and isomorphism theorems.

Prerequisites:

( MATH 250 Minimum Grade: C-

OR MATH 250 Minimum Grade: T )

AND ( MATH 321 Minimum Grade: C-

OR MATH 321 Minimum Grade: T )

### **MATH 323 - Algebraic Structures II**

Credit Hours: 3.000

An introduction to the theory of rings and fields. Typical topics include rings, ideals, integral domains, fields, ring homomorphisms, quotient rings, polynomial rings, division algorithms, factorization of polynomials, extensions of fields, finite fields, and Galois theory.

Prerequisites:

MATH 322 Minimum Grade: C-

OR MATH 322 Minimum Grade: T

### **MATH 326 - Mathematical Mod & Sim I**

Credit Hours: 3.000

This course teaches students how to apply mathematical modeling processes, methodology and software toolsets to solve realistic and complex problems, as well as to program and perform computer simulations of mathematical models.

Prerequisites:

( MATH 220 Minimum Grade: C-

OR MATH 220 Minimum Grade: T

OR MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T )

AND ( CSCI 104 Minimum Grade: C-

OR CSCI 104 Minimum Grade: T

OR CSCI 202 Minimum Grade: C-

OR CSCI 202 Minimum Grade: T

OR CSCI 205 Minimum Grade: C-

OR CSCI 205 Minimum Grade: T )

### **MATH 327 - Differential Equations**

Credit Hours: 3.000

An introduction to the study and application of ordinary differential equations. Typical topics include first order differential equations, linear differential equations,

systems of equations, existence and uniqueness of solutions, bifurcations, the Laplace transform, matrix methods, and stability theorems.

Prerequisites:

MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T

### **MATH 330 - Numerical Analysis**

Credit Hours: 3.000

Numerical methods for the solution of mathematical problems and computer application of those methods. Typical topics include the bisection algorithm, fixed point iteration, interpolation, polynomial approximation, numerical differentiation and integration, solution of systems of linear equations, least squares approximation, and error analysis.

Prerequisites:

( MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T )

AND ( ( CSCI 208 Minimum Grade: C-

OR CSCI 208 Minimum Grade: T )

OR ( CSCI 210 Minimum Grade: C-

OR CSCI 210 Minimum Grade: T )

)

### **MATH 331 - Modern Geometry**

Credit Hours: 3.000

An introduction to plane geometry intended for future teachers of mathematics. Typical topics include deductive reasoning and the axiomatic method, Euclidean geometry, parallelism, hyperbolic and other non-Euclidean geometries.

Prerequisites:

( MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T )

AND ( MATH 250 Minimum Grade: C-

OR MATH 250 Minimum Grade: T )

### **MATH 335 - History of Mathematics**

Credit Hours: 3.000

This course traces the historical development of mathematics from ancient to modern times, placing mathematical facts into a meaningful intellectual and historical context. Typical topics include mathematics in early civilization such as Egypt and Babylonia; early Greek mathematics from Euclid to Archimedes; the work of Diophantus; mathematics in medieval Islam and its transmission to the Latin West; the early development of algebra; the analytic geometry of Descartes and Fermat; the development of the calculus at the hands of Newton and Leibniz; the contributions of the Bernoulli family; nineteenth-century analysis from Cauchy to Weierstrass; nineteenth-century algebra from Galois through Klein; the development of non-Euclidean geometry; and Cantor's development in set theory.

Prerequisites:

MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T

**MATH 340 - Probability & Statistics**

Credit Hours: 3.000

A mathematically oriented introductory course in probability and statistics. Typical topics include counting techniques and laws of probability, independence, discrete and continuous random variable, distributions (normal, t, chi, square, F, Poisson, exponential, and sampling), regression correlation, confidence intervals and hypothesis testing, mathematical expectation, moment generating functions, the Central Limit Theorem, and point estimation.

Prerequisites:

MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T

**MATH 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**MATH 392 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 399 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MATH 420 - Advanced Analysis I**

Credit Hours: 3.000

Rigorous presentation of the fundamental concepts and techniques of real analysis, including a careful study of continuity and convergence, sets and functions, sequences and series, limits and continuity, and differentiation.

Prerequisites:

( MATH 220 Minimum Grade: C-

OR MATH 220 Minimum Grade: T )

AND ( MATH 250 Minimum Grade: C-

OR MATH 250 Minimum Grade: T )

**MATH 421 - Advanced Analysis II**

Credit Hours: 3.000

This course is a continuation of MATH 420 with an emphasis on integration, sequences and series of functions, uniform convergence, infinite series, and additional topics of the instructors choosing.

Prerequisites:

MATH 420 Minimum Grade: C-

OR MATH 420 Minimum Grade: T

**MATH 430 - Complex Analysis**

Credit Hours: 3.000

Theory of functions of one complex variable, including derivatives, integrals, power series, residues, and conformal mappings.

Prerequisites:

MATH 220 Minimum Grade: C-

OR MATH 220 Minimum Grade: T

**MATH 436 - Research in Mathematics**

Credit Hours: 1.000

An independent research course. The student will work with a professor on a research project either designed by the student or the professor. The student's research must result in a professional quality paper or project and a presentation before a group of peers and professors.

**MATH 440 - Topology**

Credit Hours: 3.000

This course is an introduction to the theory of point-set topology. The main components of the course will be topological spaces, including product and quotient spaces, continuous functions, local and global connectedness, local and global compactness, countability, separability, and the Tychonoff axioms. The culmination of the course will be in the Tietze extension theorem, Uryson's Lemma, and Uryson's Metrization theorem. Further study into Tychonoff axioms and spaces and the Tychonoff theorem will be done, time permitting.

Prerequisites:

MATH 250 Minimum Grade: C-

OR MATH 250 Minimum Grade: T

**MATH 471 - Senior Capstone I**

Credit Hours: 1.000

First-semester of a capstone course intended for senior mathematics majors. In this course students will begin the development of a project to be conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of technical material appropriate to the disciplines of mathematics, computer science, and physics.

**MATH 472 - Senior Capstone II**

Credit Hours: 1.000

Second-semester of a capstone course intended for senior mathematics majors. In this course students will continue the development of an independent project, begun in MATH 471, and conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of technical material appropriate to the disciplines of mathematics, computer science, and physics.

Prerequisites:

MATH 471 Minimum Grade: C-

OR MATH 471 Minimum Grade: T

**MATH 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**MATH 492 - Workshop**

Credit Hours: 0.500 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 499 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MATH 579 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**MATH 592 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 599 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**MPA 500 - Intro to Public Administration**

Credit Hours: 3.000

An introductory survey to the field of public administration, especially historical, political, and organizational approaches to ethical and reflective professional practice.

**MPA 503 - Research Mthds & Data Analysis**

Credit Hours: 3.000

Introduction to research design and methods as well as the basic techniques of statistical analysis. Emphasis will be placed on critical analysis of existing research and the applications of original design and methods to decision making in public policy and administration.

**MPA 508 - Public, Law, Policy & Reg Env**

Credit Hours: 3.000

Examines the legal foundation and environment of public administration in the United States. It will emphasize how the Constitution affects the administrative state as well as how the federal judiciary, especially the Supreme Court, share the administrative process. It will also explore how constitutional and administrative law influence the decision making of civil servants.

**MPA 510 - Practicum**

Credit Hours: 1.000

This course provides students with actual experiences, through projects and practical activities, in the practice of public administration in a professional setting. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 50 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts ties to MPA 503 and 508.

**MPA 512 - Pub, Bdg, Finance, & Proj Mgmt**

Credit Hours: 3.000

Examines the processes of debating and financial management in the public sector. This includes the characteristics of the budgetary process and financial management in the U.S., the major revenue systems and forecasting, capital budgeting, debt management, and fiscal analysis. In addition, it will examine the concepts and techniques of project management as it is used in public administration.

**MPA 514 - HR and Leadership Devl Pub Sec**

Credit Hours: 3.000

Examines the historical, normative, and practical development of the fields of human resources management in the Public sector. Students will examine the characteristics of government personnel systems and the processes and best practices used in managing human capital. Unique aspects of labor relations in the public sector are considered along with state and federal regulations guiding the public employer. Special attention will be paid to processes of identifying and developing future organizational leaders.

**MPA 516 - Practicum II**

Credit Hours: 1.000

This course provides students with actual experiences, through projects and practical activities, in the practice of fiscal project, and/or human resources management in a professional setting. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 50 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts tied to MPA 512 and 514.

**MPA 520 - Practicum III**

Credit Hours: 3.000

This course provides students with actual experiences, through projects and practical activities, in the assessment of public policies and procedures in a professional setting. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 150 hours and demonstrate and ability to apply the concepts and skills learned in the classwork to a professional setting.

**MPA 524 - Community & Econ Development**

Credit Hours: 3.000

Examines how rural and urban communities address poverty, unemployment, and other economic problems through job creation and retention, workforce training, and other development strategies. It reviews the major theories in the field as well as applications in real-life conditions. The course also pays special attention to how economic development constituencies use communication techniques, including lobbying, advocacy and marketing, to advance their proposals in the larger political environment.

**MPA 526 - Planning in the Real World**

Credit Hours: 3.000

Provides with an overview of the theory and practice of planning and decision-making in the public sector. The course focuses on the development of practical skills necessary to develop and implement strategic planning initiatives in a political environment. Students will use case studies and simulation to apply these skills in real organizational settings.

**MPA 528 - Practicum IV**

Credit Hours: 1.000

This course provides students with actual experiences, through projects and practical activities, in a professional setting. The practicum will focus on elements of community planning and economic development. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. The practicum will require students to work at least 50 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts ties to MPA 524 and 526.

**MPA 532 - Emerg Mgmt: Infrastruct & Srv**

Credit Hours: 3.000

Provides students with an overview of the characteristics, functions, and resources necessary for government to develop and operate and integrated emergency management system. The major elements of emergency management, including response, recovery and preparedness, are all addressed. This includes the primary services provided by first responders as well as the critical infrastructure necessary to effectively deliver those services.

**MPA 533 - Org & Comm Behavior**

Credit Hours: 3.000

Examines the organizational and community context in which public manager must operate. Including a focus on why people behave the way they do in organizations and what can be done to change those behaviors. This includes the most effective communications strategies used in dealing with community groups, advisory boards and councils. The course will review a wide range of situations and examples of human behavior and connect them in foundational theories and effective practical management methods.

**MPA 540 - Practicum V Capstone**

Credit Hours: 3.000

This course provides students with a capstone to the MPA program through projects and practical activities. The practicum will focus on elements of emergency management and/or strategic planning. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 150 hours and demonstrate an ability to apply the concepts

and skills learned in the classwork to a professional setting through artifacts tied to MPA 532 and 533.

**MPA 579 - Special Topics**

Credit Hours: 3.000

This course will be developed by the instructor on topics of interest to the students in the Public Administration Program that are not otherwise offered in the degree plan.

**MUED 503 - Analytical Techniques**

Credit Hours: 3.000

This course will examine the principle forms and structural elements of music from the Renaissance through the twentieth century. This course will introduce students to a variety of approaches and philosophies of musical analysis, accomplished through listening and analysis of musical repertoire.

**MUED 504 - Orchestration and Arranging**

Credit Hours: 3.000

This course will provide instruction in music orchestration and arranging techniques pertinent to music educators. Students will apply these techniques to arrangements for voice and contemporary band/orchestral instruments and ensembles.

**MUED 521 - World Music and Culture**

Credit Hours: 3.000

This course will provide the conceptual foundations necessary to explore and integrate music from around the world into the K-12 music curriculum. Through case study, critical writing, audio and video example, and individual research, students will investigate, experience, and synthesize the importance of music as it relates to different cultures, customs, religions, and history. Students will learn how music is correlated to everyday activities in a variety of societies.

**MUED 523 - Topics in Jazz and Rock**

Credit Hours: 3.000

This course will examine the development and principle styles in jazz and rock music in the 20th and 21st centuries. The course will look at the important developments in both styles through musical, historical, and cultural lenses. The goal of this course is to go beyond a broad overview of these styles, with students doing in-depth listening to seminal albums in both jazz and rock.

**MUED 533 - American Music History**

Credit Hours: 3.000

This course is designed as a survey of the development of music in the current United States, from the Spanish colonization in the 16th century to present times. Topics addressed will include the various musical styles and genres, composers of the period and their compositions. Emphasis will be placed on developing a thorough knowledge of music literature of the time, being able to place this music in its proper historical and cultural



context, as well as being able to incorporate it into the K-12 curriculum.

**MUED 534 - Music Literature and Pedagogy**

Credit Hours: 3.000

A study of choral and instrumental literature, pedagogical techniques, and rehearsal techniques appropriate for school ensembles. The course explores resource materials, pedagogical practice, and effective teaching strategies.

**MUED 540 - Applied Lessons**

Credit Hours: 2.000

This course is required for the combined online/on-campus track of the Master of Arts in Music Education.

**MUED 541 - Applied Lessons**

Credit Hours: 2.000

This course is required for the combined online/on-campus track of the Master of Arts in Music Education.

**MUED 545 - Band**

Credit Hours: 1.000

Open to all students regardless of major field who demonstrate sufficient ability on a standard wind or percussion instrument.

**MUED 546 - Jazz Ensemble**

Credit Hours: 1.000

An advanced instrumental jazz ensemble, open by audition. Repertoire is selected from a variety of jazz styles and periods.

**MUED 547 - Concert Choir**

Credit Hours: 1.000

Open to all qualified students with repertoire selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions.

**MUED 548 - Jazz Singers**

Credit Hours: 1.000

An advanced vocal jazz ensemble, open by audition to students who will be expected to perform a significant leadership role in the ensemble. Repertoire is selected from a variety of jazz and popular styles and periods.

**MUED 549 - Chamber Ensemble**

Credit Hours: 1.000

Selected groups including instrumental, vocal, and mixed ensembles for performance of music in specific periods and mediums.

**MUED 550 - Orchestra**

Credit Hours: 1.000

Open to all students, regardless of major field, who demonstrate sufficient ability on a standard orchestral instrument.

**MUED 555 - Wind Ensemble**

Credit Hours: 1.000

An advanced mixed instrumental ensemble, open to wind and percussion students by audition. Repertoire is selected from standard and contemporary wind ensemble literature.

**MUED 557 - Chamber Choir**

Credit Hours: 1.000

Small choral ensemble, by audition. Repertoire selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions.

**MUED 565 - Intro to Music Ed Research**

Credit Hours: 3.000

This course serves as an introduction to research methodologies used in music and music education. It provides a broad foundation in research design, including quantitative, qualitative, historical, philosophical and non-experimental models. In addition, students familiarize themselves with basic statistical concepts, the library, and standard reference tools and electronic resources for the purpose of research.

**MUED 567 - Music Ed History & Philosophy**

Credit Hours: 3.000

This course will address the historical and philosophical foundations of music education in the United States, with a focus on aesthetics and the role of the arts in education. Students will formulate a personal philosophy of music education to guide choices in curriculum, teaching, and assessment.

**MUED 568 - Soc & Psych of Music Ed**

Credit Hours: 3.000

This course will address the sociological and psychological foundations of music education in the United States focusing on relationships to current trends and best practices.

**MUED 595 - Graduate Recital**

Credit Hours: 1.000

Preparation and presentation of a public recital of approximately 60 minutes of prepared music. Must be taken concurrently with MUED 541.

Prerequisites:

MUED 540 Minimum Grade: C

Corequisites:

MUED 541

**MUED 596 - Music Ed Curriculum Project**

Credit Hours: 3.000

This course will address the curriculum and assessment in music education culminating in a curriculum project to be put into practice in the classroom.

**MUS 000 - Recital Attendance**

Credit Hours: 0.000

A requirement for music majors and minors, which consists of attendance at a designated number of concerts/recitals each semester.

**MUS 100 - Intro to Music Lit GT-AH1**

Credit Hours: 3.000

An introductory course in music literature which includes a survey of Western art music from the Middle Ages to the present and a survey of non-Western music. A brief study of musical elements as well as a study of

the development of musical styles, major composers and compositions is included. Listening, lectures, readings and experiencing performances are vital components of this course.

**MUS 101 - Music Fundamentals**

Credit Hours: 2.000

An introductory course for music majors and minors that includes the fundamentals of music theory, notation, and basic aural skills. May not be counted as credit towards a music degree.

**MUS 102 - Introduction to Jazz**

Credit Hours: 3.000

A survey of jazz styles and principal performers from the development of early jazz to its emergence as a significant contribution to world music. Listening, lectures, readings, and experiencing performances are vital components of this course.

**MUS 103 - Intro to Music Technology**

Credit Hours: 1.000

Introduction to basic music technology including MIDI, sequencing, music notation, and tutorials. Development of music technology skills utilizing music technology utilizing music lab facilities and equipment.

Prerequisites:

MUS 101 Minimum Grade: C-

OR MUS 101 Minimum Grade: T

**MUS 104 - Music Theory I**

Credit Hours: 3.000

Development of basic music skills and harmony with practical application through part-writing and composition.

Prerequisites:

MUS 101 Minimum Grade: C-

OR MUS 101 Minimum Grade: T

**MUS 106 - Careers in the Music Industry**

Credit Hours: 3.000

The course provides a broad overview of the music industry, the career opportunities that are available, and effective methods of preparing for success in one's chosen career path.

**MUS 108 - Aural Skills I**

Credit Hours: 1.000

Foundational work in sight singing and written dictation.

Prerequisites:

MUS 101 Minimum Grade: C-

OR MUS 101 Minimum Grade: T

**MUS 120 - Class Piano I**

Credit Hours: 1.000

A study of beginning keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

**MUS 121 - Class Piano II**

Credit Hours: 1.000

A study of intermediate keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

Prerequisites:

MUS 120 Minimum Grade: C-

OR MUS 120 Minimum Grade: T

**MUS 130 - Secondary Applied Music**

Credit Hours: 1.000

Private instruction in applied music. Applicable to a music degree only as secondary applied credit. May be repeated for credit (eight hours maximum).

Prerequisites:

**MUS 140 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (eight hours maximum).

**MUS 141 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites:

MUS 140 Minimum Grade: D

OR MUS 140 Minimum Grade: T

**MUS 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**MUS 192 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 204 - Music Theory II**

Credit Hours: 3.000

Advanced study in music writing and analysis with emphasis on tonal and chromatic harmony.

Prerequisites:

MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T

**MUS 208 - Aural Skills II**

Credit Hours: 1.000

Emphasis on sight singing in parts, more difficult keys and intervals, modulations, and rhythmic patterns in dictation.

Prerequisites:

MUS 108 Minimum Grade: C-

OR MUS 108 Minimum Grade: T

AND MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T

Corequisites:

MUS 204

**MUS 210 - Mariachi Ensemble**

Credit Hours: 1.000

Open to all qualified students by audition, regardless of major field. Music chosen from standard mariachi repertoire. May be repeated for credit. Audition and permission of instructor required for registration.

**MUS 212 - Jazz Improvisation I**

Credit Hours: 1.000

Emphasis on basic jazz literature, chord symbols, melodic patterns, ear training, melodic concepts, and analysis of improvised solos.

Prerequisites:

MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T

**MUS 220 - Class Piano III**

Credit Hours: 1.000

A continuation of intermediate keyboard technique with emphasis on skills needed to fulfill the piano proficiency requirement.

Prerequisites:

MUS 121 Minimum Grade: C-

OR MUS 121 Minimum Grade: T

**MUS 226 - Lyric Diction I**

Credit Hours: 3.000

A study of lyric diction and phonetic transcriptions of languages common to standard vocal repertoire. The course includes English, German, Spanish, and an introduction to the International Phonetic Alphabet.

**MUS 227 - Lyric Diction II**

Credit Hours: 3.000

A study of lyric diction and phonetic transcriptions of languages common to standard vocal repertoire. The course includes Ecclesiastical Latin, Italian, French, and an introduction to the International Phonetic Alphabet.

**MUS 240 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites:

MUS 141 Minimum Grade: C-

OR MUS 141 Minimum Grade: T

**MUS 241 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites:

MUS 240 Minimum Grade: C-

OR MUS 240 Minimum Grade: T

**MUS 242 - Applied Music - Composition**

Credit Hours: 2.000

This course will provide private instruction in basic music composition. May be repeated for credit (four hours maximum).

Prerequisites:

MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T

**MUS 243 - Applied Music - Composition**

Credit Hours: 2.000

This course will provide further private instruction in basic music composition. May be repeated for credit (four hours maximum). This course requires instructor approval for registration purposes.

Prerequisites:

( MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T )

AND ( MUS 242 Minimum Grade: C-

OR MUS 242 Minimum Grade: T )

**MUS 245 - Band**

Credit Hours: 1.000

Open to all students, regardless of major field, who demonstrate sufficient ability on a standard wind or percussion instrument. May be repeated for credit.

**MUS 246 - Jazz Ensemble**

Credit Hours: 1.000

An advanced instrumental jazz ensemble, open to all qualified students by audition. Repertoire is selected from a variety of jazz styles and periods. May be repeated for credit.

**MUS 247 - Concert Choir**

Credit Hours: 1.000

Open to all qualified students with repertoire selected from the standard choral concert literature. May be repeated for credit.

**MUS 248 - Jazz Singers**

Credit Hours: 1.000

An advanced vocal jazz ensemble, open to qualified students by audition. Repertoire is selected from a variety of jazz styles and periods. May be repeated for credit.

**MUS 249 - Chamber Ensemble**

Credit Hours: 1.000

Selected groups including instrumental, vocal, and mixed ensembles for performance of music in specific periods and mediums. May be repeated for credit.

**MUS 250 - Orchestra**

Credit Hours: 1.000

Open to all students, regardless of major field, who demonstrate sufficient ability on a standard orchestral instrument. May be repeated for credit.

**MUS 252 - Music Theatre Workshop**

Credit Hours: 1.000

The study and production of musical theatre and opera repertoire appropriate for educational theatre. May be repeated for credit.

**MUS 255 - Wind Ensemble**

Credit Hours: 1.000

An advanced mixed instrumental ensemble, open to wind and percussion students by audition. Repertoire is selected from standard and contemporary wind ensemble literature. May be repeated for credit.

**MUS 257 - Chamber Choir**

Credit Hours: 1.000

An advanced mixed choral ensemble, open to students by audition. Repertoire is selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions. May be repeated for credit.

**MUS 279 - Special Topics**

Credit Hours: 0.500 TO 6.000

Offered periodically to meet student special interests in the field.

**MUS 292 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 304 - Advanced Theory**

Credit Hours: 3.000

The study of advanced chromatic harmony and twentieth-century musical techniques through analysis and composition.

Prerequisites:

( MUS 103 Minimum Grade: C-

OR MUS 103 Minimum Grade: T )

AND ( MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T )

AND ( MUS 204 Minimum Grade: C-

OR MUS 204 Minimum Grade: T )

**MUS 308 - Advanced Aural Skills**

Credit Hours: 1.000

Advanced sight singing and ear training, including harmonic and melodic dictation using chromatic intervals.

Prerequisites:

MUS 208 Minimum Grade: C-

OR MUS 208 Minimum Grade: T

**MUS 312 - Jazz Improvisation II**

Credit Hours: 1.000

Emphasis on the analysis and performance of intermediate jazz literature and composition in contemporary styles.

Prerequisites:

MUS 212 Minimum Grade: C-

OR MUS 212 Minimum Grade: T

**MUS 320 - Advanced Piano Class**

Credit Hours: 1.000

Advanced functional keyboard technique with emphasis on skills needed to fulfill the piano proficiency requirement.

Prerequisites:

MUS 220 Minimum Grade: C-

OR MUS 220 Minimum Grade: T

**MUS 321 - Voice Methods**

Credit Hours: 1.000

A course designed to enable music education majors to gain a practical knowledge of the voice and relevant pedagogy. Not open to students whose principal instrument is voice.

**MUS 322 - Percussion Methods**

Credit Hours: 1.000

A course designed to enable music education majors to gain a practical knowledge of percussion instruments and relevant pedagogy.

**MUS 323 - Brass Methods**

Credit Hours: 1.000

A course designed to enable music education majors to gain a practical knowledge of brass instruments and relevant pedagogy.

**MUS 324 - Woodwind Methods**

Credit Hours: 1.000

A course designed to enable music education majors to gain a practical knowledge of woodwind instruments and relevant pedagogy.

**MUS 325 - String Methods**

Credit Hours: 1.000

A course designed to enable music education majors to gain a practical knowledge of string instruments and relevant pedagogy.

**MUS 326 - Music History I**

Credit Hours: 3.000

A detailed survey of music history from antiquity to 1750.

Prerequisites:

( MUS 100 Minimum Grade: C-

AND MUS 104 Minimum Grade: C- )

OR ( MUS 100 Minimum Grade: T

AND MUS 104 Minimum Grade: T )

**MUS 327 - Music History II**

Credit Hours: 3.000

A detailed survey of music history from 1750 to the present.

Prerequisites:

( MUS 100 Minimum Grade: C-

AND MUS 104 Minimum Grade: C- )

OR ( MUS 100 Minimum Grade: T

AND MUS 104 Minimum Grade: T )

**MUS 333 - Form and Analysis**

Credit Hours: 2.000

The study and analysis of the structural elements of music and principle musical forms from the Renaissance through the twentieth century. Includes study of 16th and 18th-century contrapuntal forms. This course requires instructor approval for registration purposes.

Prerequisites:

MUS 304 Minimum Grade: C-

OR MUS 304 Minimum Grade: T

**MUS 340 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites:

MUS 241 Minimum Grade: C-

OR MUS 241 Minimum Grade: T

**MUS 341 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites:

MUS 340 Minimum Grade: C-

OR MUS 340 Minimum Grade: T

**MUS 342 - Applied Music - Composition**

Credit Hours: 2.000

This course will provide private instruction in advanced music composition including orchestration techniques. May be repeated for credit (four hours maximum). This course requires instructor approval for registration purposes.

Prerequisites:

( MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T )

AND ( MUS 243 Minimum Grade: C-

OR MUS 243 Minimum Grade: T )

**MUS 343 - Applied Music - Composition**

Credit Hours: 2.000

This course will provide further private instruction in advanced music composition including polyphonic and non-tonal techniques. May be repeated for credit (four hours maximum). This course requires instructor approval for registration purposes.

Prerequisites:

( MUS 104 Minimum Grade: C-

OR MUS 104 Minimum Grade: T )

AND ( MUS 342 Minimum Grade: C-

OR MUS 342 Minimum Grade: T )

**MUS 345 - Junior Recital**

Credit Hours: 1.000

Preparation and presentation of a public recital of approximately one-half hour of music.

Prerequisites:

( MUS 340 Minimum Grade: C-

OR MUS 341 Minimum Grade: C- )

OR ( MUS 340 Minimum Grade: T

OR MUS 341 Minimum Grade: T )

Corequisites:

MUS 341

**MUS 360 - Conducting Techniques**

Credit Hours: 2.000

Development of fundamental conducting skills, score reading skills, musical concepts, and terminology.

Prerequisites:

( MUS 204 Minimum Grade: C-

AND MUS 208 Minimum Grade: C- )

OR ( MUS 204 Minimum Grade: T

AND MUS 208 Minimum Grade: T )

**MUS 364 - Accompanying Practicum I**

Credit Hours: 2.000

Training for the advanced pianist in vocal and instrumental accompanying skills, and related skills for dance accompanying.

Prerequisites:

MUS 241 Minimum Grade: C-

OR MUS 241 Minimum Grade: T

**MUS 365 - Accompanying Practicum II**

Credit Hours: 2.000

Training for the advanced pianist in vocal and instrumental accompanying skills, and related skills for dance accompanying.

Prerequisites:

MUS 364 Minimum Grade: C-

OR MUS 364 Minimum Grade: T

**MUS 375 - Music Recording Techniques**

Credit Hours: 3.000

The class is designed as an introduction to computer music composition techniques. Students will design sounds using both waveform and sample techniques. Sound libraries are developed and then implemented in original compositions performed twice per semester. Advanced sequencing techniques are also explored. Contemporary computer music examples are assigned for discussion and analysis.

Prerequisites:

( MUS 103 Minimum Grade: C-

OR MUS 103 Minimum Grade: T )

AND ( MUS 101 Minimum Grade: C-

OR MUS 101 Minimum Grade: T )

**MUS 376 - Topics in Music Business**

Credit Hours: 3.000

Topics in Music Business will introduce students to the business aspects of the music industry including market and promotion, copyright law, publishing, contracts, licensing, management, concert promotion and production, profit and non-profit arts organizations, grant writing and fundraising.

**MUS 377 - Music Business Internship**

Credit Hours: 3.000

This course is designed to provide practical experience for advanced students in the music business emphasis. Students will further develop competencies in business related areas of the industry while providing practical application of theories, techniques, and concepts discussed in other courses. Students are required to be successfully admitted to upper divisional study, and Senior Standing (90 more hours completed). An approved Internship Application and current resume/references will also be submitted prior to registering in this class.

Prerequisites:

MUS 376 Minimum Grade: C-

OR MUS 376 Minimum Grade: T

**MUS 378 - Music Recording Seminar**

Credit Hours: 2.000

This course is a project-based course with focus on discussion of projects, recording and mixing techniques, and critical listening to recordings. Students will work on semester-long recording projects in the ASU recording studio and participate in class discussion on these projects..

Prerequisites:

( MUS 103 Minimum Grade: C-

OR MUS 103 Minimum Grade: T )

AND ( MUS 375 Minimum Grade: C-

OR MUS 375 Minimum Grade: T )

**MUS 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**MUS 380 - Commercial Music Comp & Prod**

Credit Hours: 1.000

The course will provide seminar-like instruction in commercial music composition (pop, rock, R&B, etc...) and production techniques. Students will work individually or in groups in the ASU recording studio on completing at least one finished composition and recording.

Prerequisites:

MUS 103 Minimum Grade: C-

AND MUS 375 Minimum Grade: C-

AND MUS 378 Minimum Grade: C-

**MUS 392 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 399 - Individual Studies**

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 410 - Mariachi Ensemble**

Credit Hours: 1.000

Open to all qualified students by audition, regardless of major field. Music chosen from standard mariachi repertoire. May be repeated for credit. Audition and permission of instructor required for registration.

**MUS 421 - Elem School Music Methods**

Credit Hours: 3.000

A comprehensive study of principles, procedures and pedagogical approaches for teaching and administering music programs in elementary schools (grades K-6). A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card

Office Prior to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation. Students must be enrolled in the Teacher Education Program.

Prerequisites:

( ED 200 Minimum Grade: C

OR ED 200 Minimum Grade: T )

AND ( ED 220 Minimum Grade: C

OR ED 220 Minimum Grade: T )

AND ( MUS 304 Minimum Grade: C

OR MUS 304 Minimum Grade: T )

AND ( MUS 360 Minimum Grade: C

OR MUS 360 Minimum Grade: T )

AND TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**MUS 422 - Secondary School Music Methods**

Credit Hours: 3.000

A comprehensive study of principles and procedures for teaching and administering music programs in secondary schools (grades 7-12). A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office Prior to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation. Students must be enrolled in the Teacher Education Program.

Prerequisites:

( ED 200 Minimum Grade: C

OR ED 200 Minimum Grade: T )

AND ( ED 220 Minimum Grade: C

OR ED 220 Minimum Grade: T )

AND ( MUS 304 Minimum Grade: C

OR MUS 304 Minimum Grade: T )

AND ( MUS 360 Minimum Grade: C

OR MUS 360 Minimum Grade: T )

AND TEPP - Minimum Score: 1

AND BKCK - Minimum Score: 1

**MUS 423 - Choral Literature and Methods**

Credit Hours: 3.000

A study of choral literature and rehearsal techniques appropriate for secondary school choral ensembles, including resource materials, techniques for choral sound production, and effective teaching strategies.

Prerequisites:

( MUS 304 Minimum Grade: C-

AND MUS 360 Minimum Grade: C- )

OR ( MUS 304 Minimum Grade: T

AND MUS 360 Minimum Grade: T )

Corequisites:

MUS 422

**MUS 424 - Instrumental Lit/Methods**

Credit Hours: 3.000

A study of instrumental literature and rehearsal techniques appropriate for secondary school instrumental ensembles, including resource materials, techniques for ensemble development, and effective teaching strategies.

Prerequisites:

( MUS 304 Minimum Grade: C-

AND MUS 360 Minimum Grade: C- )

OR ( MUS 304 Minimum Grade: T

AND MUS 360 Minimum Grade: T )

Corequisites:

MUS 422

**MUS 425 - Opera Literature**

Credit Hours: 3.000

A study of operatic masterpieces from the origins of the form to the present.

**MUS 426 - Song Literature**

Credit Hours: 3.000

Historic survey of the art of song.

**MUS 427 - Instrumental Lit & Pedagogy**

Credit Hours: 3.000

Historical survey of the student's own instrumental category (either woodwinds, brass, percussion, guitar or strings) and a study of the pedagogical techniques for that instrumental category.

**MUS 428 - Piano Literature and Pedagogy**

Credit Hours: 3.000

Historical survey of the repertoire for piano and a study of pedagogical techniques for the piano.

**MUS 429 - Voice Literature and Pedagogy**

Credit Hours: 3.000

A study of pedagogical techniques and vocal problems and the assignments of appropriate literature. A survey of materials include treatises, technique books, physiological books, repertoire, and other areas relevant to singing and to the teaching of singing.

**MUS 440 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (four hours maximum).

Prerequisites:

( MUS 341 Minimum Grade: C-

AND MUS 345 Minimum Grade: C- )

OR ( MUS 341 Minimum Grade: T

AND MUS 345 Minimum Grade: T )

**MUS 441 - Applied Music**

Credit Hours: 2.000

Private instruction in applied music. May be repeated for credit (four hours maximum).

Prerequisites:

( MUS 345 Minimum Grade: C-

AND MUS 440 Minimum Grade: C- )

OR ( MUS 345 Minimum Grade: T

AND MUS 440 Minimum Grade: T )

**MUS 444 - Senior Project - Composition**

Credit Hours: 2.000

A course for the development and creation of a work for orchestra or wind ensemble. Orchestration techniques will be explored. Analysis of works within the genres will be examined and discussed. A significant written project on some aspect of contemporary music will be required. This course requires instructor approval for registration purposes.

Prerequisites:

MUS 343 Minimum Grade: C-

OR MUS 343 Minimum Grade: T

**MUS 445 - Senior Recital**

Credit Hours: 2.000

Preparation and presentation of a public recital of approximately forty-five minutes of music. Must be taken concurrently with MUS 440 or MUS 441.

Prerequisites:

( MUS 440 Minimum Grade: C-

AND MUS 441 Minimum Grade: C- )

OR ( MUS 440 Minimum Grade: T

AND MUS 441 Minimum Grade: T )

**MUS 446 - Jazz Ensemble**

Credit Hours: 1.000

An advanced instrumental jazz ensemble, open by audition to junior and senior students who perform a significant leadership role in the ensemble. Repertoire is selected from a variety of jazz styles and periods. May be repeated for credit.

**MUS 448 - Jazz Singers**

Credit Hours: 1.000

An advanced vocal jazz ensemble, open by audition to junior and senior students who perform a significant leadership role in the ensemble. Repertoire is selected from a variety of jazz and periods. May be repeated for credit.

**MUS 449 - Chamber Ensemble**

Credit Hours: 1.000

Selected groups including instrumental, vocal and mixed ensemble for performance of music in specific periods and mediums, open by audition to junior and senior students who perform a significant leadership role in the ensemble. May be repeated for credit.

**MUS 450 - Orchestra**

Credit Hours: 1.000

Open by audition to Junior and Senior students who perform a significant leadership role in the orchestra. Repertoire is selected from standard orchestral literature. May be repeated for credit.

**MUS 455 - Wind Ensemble**

Credit Hours: 1.000

An advanced mixed instrumental ensemble, open by audition to junior and senior students who perform a significant leadership role in the ensemble. Repertoire is

selected from standard and contemporary wind ensemble literature. May be repeated for credit.

**MUS 457 - Chamber Choir**

Credit Hours: 1.000

An advanced mixed choral ensemble, open by audition to junior and senior who perform a significant leadership role in the ensemble. Repertoire is selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions. May be repeated for credit.

**MUS 460 - Advanced Choral Conducting**

Credit Hours: 2.000

Advanced techniques for the choral conductor.

Prerequisites

MUS 360 Minimum Grade: C-

OR MUS 360 Minimum Grade: T

**MUS 461 - Advanced Instr Conducting**

Credit Hours: 2.000

Advanced techniques for the instrumental conductor.

Prerequisites:

MUS 360 Minimum Grade: C-

OR MUS 360 Minimum Grade: T

**MUS 476 - Music Business Capstone**

Credit Hours: 2.000

The course will provide specialized focus and instruction on a project relating to music business and/or recording that aligns with the student's desired career path.

Prerequisites:

MUS 103 Minimum Grade: C-

**MUS 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**MUS 486 - Marching Band Techniques**

Credit Hours: 2.000

Designed to help the band director chart marching band shows and deal with the logistics and techniques needed to manage the marching band.

Prerequisites:

MUS 422 Minimum Grade: C-

OR MUS 422 Minimum Grade: T

**MUS 492 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**MUS 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**NURS 179 - Special Topics**

Credit Hours: 0.500 TO 8.000

Offered periodically to meet student special interests in the field.

**NURS 179C - Special Topics Clinical**

Credit Hours: 2.000

Offered periodically to meet student special interests in the field.

**NURS 201 - Math for Nursing**

Credit Hours: 1.000

This course is designed to assist the student with becoming very comfortable with drug calculations using dimensional analysis. Topics to be discussed include: basic math review, metric system and medication calculations, reconstituted medications, parenteral medication calculations, reconstituted medications, parental medication calculations, oral and injectable calculations, and medications for infants and children. Student must be enrolled in the ASU four year baccalaureate program and successful completion of all previous level courses.

**NURS 202 - Nursing Informatics**

Credit Hours: 1.000

This course examines the history of healthcare informatics, current issues, basic informatics concepts and health information management systems. The use of technology to help make decisions and to improve the health status of the individual, family, and community will be emphasized. Students will apply informatics concepts to a current clinical practice setting suggesting methods to use technology to improve patient safety and work effectiveness. The student will also learn to identify gather, process, and manage information/data. Student must be enrolled in the ASU four-year baccalaureate program and successful completion of all previous level courses.

**NURS 206 - Pathophysiology**

Credit Hours: 4.000

This course provides an overview of pathophysiological processes across the major organ systems. It is divided into two content areas: general concepts and specific disease processes. General concepts include the topics of cellular environment, genetics, stress and disease, immunity, inflammation, and cellular proliferation. Common disease processes from the major organs systems are presented. Students must be enrolled in the



ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 207 - Health Assessment**

Credit Hours: 3.000

The course will focus on the theoretical and practical aspects of acquiring data through a client health history and physical examination through the life span. A laboratory portion will consist of demonstration and actual wellness assessment with identification of needs. Students will be responsible for independent clinical health assessments and case studies. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 208 - Pharmacology**

Credit Hours: 4.000

The course will provide an in-depth perspective of the pharmacokinetics and pharmacodynamics of medications. The students will learn to consider body weight, age, body composition, and circulatory dynamics when analyzing the drug's effect. Other topics to be included in this course include therapeutic effects, side effects, toxic effects, idiosyncratic reactions, drug tolerance, drug interactions and drug dose response. Discussion will focus on the physiological action and effect of selected drug groups, and factors that will influence the drug actions such as physiological variables, environmental conditions, psychological factors and diet. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 211 - Professional Practice**

Credit Hours: 2.000

This course will emphasize an in-depth exploration of the development of health care policy in the United States. The evolution of public and private healthcare insurance and the societal implications of these policies will be analyzed. Students will understand the U.S. healthcare delivery system to determine how social, political, legal, economic policy and regulatory factors affect health disparities. Access to healthcare for the American people will be addressed. Critical thinking skills will be developed to understand future trends and changes affecting healthcare delivery policy and nursing practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 279 - Special Topics**

Credit Hours: 0.500 TO 8.000

Offered periodically to meet student special interests in the field.

**NURS 292 - Workshop**

Credit Hours: 0.500 TO 8.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**NURS 302 - Nursing Informatics**

Credit Hours: 3.000

This course examines the history of healthcare informatics, current issues, basic informatics, current issues, basic informatics concepts and health information management systems. The use of technology to help make decisions and to improve the health status of the individual, family and community will be emphasized. Students will apply informatics concepts to a current clinical practice setting suggesting methods to use technology to improve patient safety and work effectiveness. The student will also learn to identify, gather, process, and manage information/data. Students must be enrolled in the ASU four-year baccalaureate program and successfully complete all previous block courses.

**NURS 305 - Transcultural Nursing**

Credit Hours: 3.000

This course provides a theoretical framework for the delivery of culturally competent nursing care. The course will enable to nurse to navigate through the obstacles that culture can place on the patient/family experience. Through a presentation of the history and theory behind cultural competence in nursing, the course offers key information regarding health beliefs and the impact of culture on both health and illness. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites:

**NURS 309 - Nursing Fundamentals**

Credit Hours: 6.000

This course will focus on the nursing process as a strategy for making clinical judgments and implementing care. The student will learn basic concepts in nursing as a framework for future course work. An emphasis will be placed on critical thinking and evidence based application of concepts taught. The lab hours will focus on concepts learned and are the foundation for developing nursing skills. Practice will take place in both the classroom and the simulation lab. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 309C - Nursing Fundamentals Clinical**

Credit Hours: 3.000

This course focuses on concepts learned in Nursing Fundamentals and Nursing Fundamentals Lab as a strategy for making clinical judgments and implementing care. Practice will take place in both the actual clinical setting and the simulation lab. The student will learn basic concepts in nursing as a framework for future course work. An emphasis will be placed on critical thinking and evidence based application of concepts taught. Students must be enrolled in the ASU

four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 310 - Medical Surgical Nursing I**

Credit Hours: 4.000

Emphasis in this course is on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course is a comprehensive study of concepts related to critical thinking, culture, pain and end of life issues. Also considered is substance abuse, fluid, electrolyte and acid-base balance, safety, oxygenation, tissue perfusion, cardiac output. The various interrelationships among systems are highlighted. The application of the nursing process and evidence based criteria will be used in the care of stable adult patients in a clinical setting. The lab hours will focus on concepts learned and are the foundation for developing advanced nursing skills. Practice will take place in both the classroom and the simulation lab. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 310C - Med/Surg Nursing I Clinical**

Credit Hours: 4.000

Emphasis in this course is on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course focuses on concepts learned in Medical Surgical Nursing I as a strategy for making clinical judgments and implementing care. Practice will take place in both the actual clinical setting and the simulation lab. The student will learn basic concepts in nursing as a framework for future course work. An emphasis will be placed on critical thinking and evidence based application of concepts taught. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 311 - Care of the Older Adult**

Credit Hours: 2.000

This course will consider the unique set of principles and body of knowledge and skills necessary to care for the older adult. Students are provided with the theoretical background necessary to understand health system issues affecting older adults; comprehensive assessment of physical, functional, psychosocial, and cognitive capacities; and to consider, in detail, common problems associated with cardiovascular, respiratory, neurological, musculoskeletal, sensory, and genitourinary systems that affect older adults. In addition, principles of continuity of care, rehabilitation, nutritional and pharmacodynamic changes, diversity and ethics will be integrated throughout the course. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 314 - Health Care Ethics**

Credit Hours: 2.000

This course will focus on the moral and ethical dimensions of nursing practice and in health care today. Topics to be explored include biomedical technological advances, quality of life, and ethical theories and principles, client advocacy, skill competency, informed consents, advanced directives and nursing accountability. The students will also discuss how values, emotions, faith, spiritual beliefs influence ethical decision-making. The law, culture, gender, generational issues, as well as male and female roles are considered in the setting of an ethical dilemma. A systematic approach to resolving ethical issues and the role of an Ethics Committee as a resource are presented. Discussion will also take place regarding the Nursing Code of Ethics and its effect on nursing practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 315 - Rural/Community Health**

Credit Hours: 2.000

This course examines the role of the nurse in promoting the health of aggregates, families, and individuals. The concept of community as client is emphasized. The core public health functions of assessment, policy development, and assurance are explored through student involvement in the legislative process, family assessment, community assessment, case management, health teaching, and the investigation of communicable diseases. The provision of nursing care in a rural setting will also be examined.

**NURS 315C - Rural/Community Hlth Clinical**

Credit Hours: 2.000

This course will allow students to address the concerns and health needs of the community. In a collaborative effort between the community and ASU, the students will apply knowledge gained through nursing academic coursework to implement a plan for those health concerns. Emphasis will be placed on developing interpersonal skills and achieving social changes that influence health and quality of life. The course includes an extensive clinical practicum within a public health setting with emphasis on nursing in a rural community.

**NURS 316 - Nursing Research**

Credit Hours: 2.000

This course will provide an introduction to the research process including design and methodology. Interpretation and critique of research findings for use in nursing practice are emphasized. Research questions relevant to clinical practice are identified. This course emphasizes critical analysis of existing research to support data-driven decisions and implementation of evidence-based practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 320 - Nursing Ethics**

Credit Hours: 3.000

This course examines the legal and ethical aspects of the nurse's role in the delivery and management of health care. This course emphasizes the collaborative nurse-patient relationship along with decision-making approaches and models, rationale for decisions, and the management of care for various ethical situations that occur in nursing practice. Students will engage in role-play activities to learn how to respond to ethical conflicts among healthcare team members in clinical settings. Students must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program.

### **NURS 325 - Geriatric Nursing**

Credit Hours: 3.000

This course considers the unique set of principles and body of knowledge and skills necessary to the practice of geriatric nursing. Students are provided with the theoretical background necessary to understand health system issues affecting older adults; comprehensive assessment of physical, functional, psychosocial, and cognitive capacities. In addition, principles of continuity of care, rehabilitation, nutritional and pharmacodynamic changes, diversity and ethics will be integrated throughout the course. Students must be enrolled in the ASU RN to BSN completion program to register in this course.

### **NURS 330 - Nursing Leadership**

Credit Hours: 3.000

This course examines the nurse as a leader in a variety of contexts and settings. The course provides the nurse with skills needed to ensure that employing organizations are guided accurately and effectively through periods of transformation. The course also provides strategies for handling challenges that arise in health care organizations in order to better assist nurse leaders in creating a healing environment for both consumers and healthcare providers. Students must be enrolled in the ASU RN or BSN online program or ADN Dual Enrollment program.

### **NURS 340 - Financial Mgmt in Nursing**

Credit Hours: 3.000

This course explores economic issues relevant to nursing practice and health care. The course uses a systems approach to analyze the financial impact of health care decisions. The course further assesses the financial implications of nursing decisions from a clinical perspective. Topics include a myriad of financial concepts that range from staffing and budgeting to measuring productivity and forecasting costs. The goal of the course is to enable nurses in managerial roles to implement change without negatively affecting patient care outcomes. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites:

NURS 330 Minimum Grade: C-

OR NURS 330 Minimum Grade: T

### **NURS 350 - Global Health Nursing**

Credit Hours: 3.000

The course uses a multidisciplinary perspective to explore global issues affecting personal, community, and international health and development using approaches from health promotion, population health, and primary health care to help frame analyses. Students are exposed to basic perspectives on health policy issues throughout various geographical regions and how they are affected by significant world events. Students must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program.

### **NURS 379 - Special Topics**

Credit Hours: 0.500 TO 8.000

Offered periodically to meet student special interests in the field.

### **NURS 379C - Special Topics**

Credit Hours: 0.500 TO 8.000

Offered periodically to meet student special interests in the field.

### **NURS 392 - Workshop**

Credit Hours: 0.500 TO 8.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **NURS 404C - Service Learning Clinical**

Credit Hours: 2.000

The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASC nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASC Nursing Program mission with its focus on cultural diversity, community service, and rural health care. Students must be enrolled in the ASC four year baccalaureate program and successfully complete all previous block courses to register for this class.

### **NURS 407 - Obstetric Nursing**

Credit Hours: 3.000

This course will provide a family-centered approach to professional nursing practice of the childbearing family from pre-conception through postpartum including newborn care. Nursing care of the woman throughout the lifespan will be presented. The impact of psychosocial and cultural values and practices will be explored. Legal and ethical accountability will be integrated throughout the course. The learner will develop specific cognitive and psychomotor competencies which will be demonstrated in an effective performance in both a skills/simulation lab and clinical area. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 407C - Obstetric Nursing Clinical**

Credit Hours: 2.000

Emphasis in this course will be on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course is the application of skills related to caring for obstetrical and gynecological patients. Critical thinking skills will be learned and applied to visualizing complex problems and interrelationships found in the care of obstetrical and gynecological patients in a clinical setting. The application of the nursing process and evidence based criteria will be used in this process. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 408 - Pediatric Nursing**

Credit Hours: 3.000

This course will provide a family-centered approach to professional nursing practice of children from birth through adolescence across the health continuum. The impact of psychosocial and cultural values and practices are explored. Legal and ethical accountability are integrated throughout the course. The learner will develop specific cognitive and psychomotor competencies which will be demonstrated in an effective performance in both a skills/simulation lab and clinical area. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 408C - Pediatric Nursing Clinical**

Credit Hours: 2.000

This course will apply skills related to caring for pediatric patients across the health continuum. Critical thinking skills will be learned and applied to complex problems and interrelationships found in the care of pediatric patients in the clinical setting. The application of nursing process and evidence based criteria will be used in this process. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 409 - Psychiatric Nursing**

Credit Hours: 3.000

The student will explore concepts in promoting and maintaining mental health in the individual, family, group and the community. Mental health assessment, health promotion and roles and responsibilities within the profession of psychiatric nursing will be introduced. This course emphasizes communication and caring through the application of communication skills, the therapeutic relationship and nursing process in the care and treatment of common clinical conditions/disorders in the realm of mental health nursing. The interconnection of medical and mental health symptoms will be addressed. Health care trends related to primary health care, determinants of health and wellness are examined.

Concepts of crisis, comfort, anger, hope, loss, power, resiliency and integrity will be introduced. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 409C - Psychiatric Nursing Clinical**

Credit Hours: 2.000

This course will allow the student to apply the various concepts learned in NURS 409 and other nursing courses to patients in both acute psychiatric settings and various community settings. Students will incorporate critical thinking, the nursing process and evidence based guidelines for the care of the psychiatric patient. Health and safety needs within the psychiatric setting will be explored. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 410 - Nursing Research**

Credit Hours: 3.000

This course stresses the role of the nurse as a researcher and a researcher consumer. It includes both quantitative and qualitative research. Skills necessary to critically read and evaluate nursing research and to use the results of research in practice and developed in this course. The historical, legal, and ethical aspects of nursing research are considered. This course also focuses on the evaluation and utilization of research and other sources of knowledge necessary to address patient needs and provide quality care. Course content covers methods, appraisal, and utilization of research findings toward the goal of implementing best practices. Barriers to the use of evidence-based practice as well as facilitating innovations within the workplace are addressed. Student must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program.

Prerequisites:

PSYC 211 Minimum Grade: C

OR PSYC 211 Minimum Grade: T

**NURS 412 - Rural/Community Health**

Credit Hours: 3.000

This course examines the role of the nurse in promoting the health of aggregates, families, and individuals. The concept of community as client is emphasized. The core public health functions of assessment, policy development, and assurance are explored through student involvement in the legislative process, family assessment, community assessment, case management, health teaching, and the investigation of communicable diseases. The provision of nursing care in a rural setting will also be examined. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 412C - Rural/Comm Health Clinical**

Credit Hours: 2.000

This course will allow students to address the concerns and health needs of the community. In a collaborative effort between the community and ASU, the students will apply knowledge gained through nursing academic coursework to implement a plan for those health concerns. Emphasis will be placed on developing interpersonal skills and achieving social changes that influence health and quality of life. Course includes an extensive clinical practicum within a public health setting with emphasis on nursing care in a rural community. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 414C - Nursing Internship**

Credit Hours: 4.000

This course will be an integration of previous nursing and general education coursework. This course will include an intensive content exam review and field experience in an area of nursing interest to the student and comprehensive simulation lab experiences at the end of the course. Critical thinking and evidence based practice will be emphasized and evaluated through theory course content review tests and in the clinical environment by a preceptor. In addition, the simulation environment may be used as a part of evaluation. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 415 - Nursing Management**

Credit Hours: 2.000

The focus of this course will be on the theories of nursing management and leadership and their application to work practices. Content will include the basic functions of management: planning, organizing, and directing. Topics such as decision-making, change, budgeting, conflict resolution and personnel issues will be explored. The students will concentrate on critical decision making and formulating independent nursing judgments in complex nursing situations. Content will also focus on supervisory skills and collaboration with other members of the health care team in the structured (hospital or nursing home) or unstructured (community assessments) health care settings. Students must be enrolled in the ASU four year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 415C - Nursing Management Clinical**

Credit Hours: 2.000

Application of nursing leadership and management principles learned in NURS 415 will be the focus of this course. Application of concepts learned take place in the clinical setting. Critical thinking and evidence based practice will be emphasized.

**NURS 416 - Medical Surgical Nursing II**

Credit Hours: 4.000

This course is a comprehensive study of concepts related to problems of the cardiovascular, peripheral vascular, respiratory, hematological, and endocrine systems. Various interrelationships of these concepts will be explored as it concerns stable and unstable adult patients. The application of the nursing process and evidence based criteria will be presented as these processes refer to the care of adult patients. The lab hours will focus on concepts learned and are the foundation for developing advanced nursing skills. Practice will take place both in the classroom and the simulation lab.

**NURS 416C - Med/Surg Nursing II Clinical**

Credit Hours: 4.000

In this course, concepts related to problems of the cardiovascular, peripheral vascular, respiratory, hematological, and endocrine systems will be explored. The various interrelationships among these concepts found in both stable and unstable adult patients in a clinical setting will be emphasized. The application of the nursing process and evidence based criteria will be used in the care of adult patients in both a clinical setting and a simulation lab.

**NURS 417A - Service Learning A**

Credit Hours: 0.500

The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASU nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASU Nursing Program mission with its focus on cultural diversity, community service, and rural health care. This course introduces the student to community collaboration and selection of a service project.

**NURS 417B - Service Learning B**

Credit Hours: 0.500

The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASU nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASU Nursing Program mission with its focus on cultural diversity, community service, and rural health care. This course is an ongoing course from NURS 417A. This course will continue the project development established in NURS 417A. The student will research the importance and effectiveness of project selected in the identified community/agency.

Prerequisites:

NURS 417A Minimum Grade: C

**NURS 417C - Service Learning C**

Credit Hours: 1.000

The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASU nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASU Nursing Program mission with its focus on cultural diversity, community service, and rural health care. The student will use research and supportive evidence gathered in NURS 417B to implement the selected service project. The result of this project will result in a sustained impact for the selected agency or community. In addition, the student will provide a reflection of this experience from project identification, research, development and implementation.

Prerequisites:

NURS 417A Minimum Grade: C

AND NURS 417B Minimum Grade: C

**NURS 420 - Intro to Managed Health Care**

Credit Hours: 3.000

This course is designed to familiarize the nurse with the broader context of the healthcare system within which the nurse works. The course reviews key strategic, tactical, and operational aspects of managed health care. The implications of health insurance not only in the commercial sector, but also with Medicare, Medicaid, and military health care are analyzed. Student must be enrolled in the ASU RN to BSN online program.

Prerequisites:

**NURS 430 - Hlth Assmt Experienced Nurse**

Credit Hours: 3.000

This course emphasizes the skills essential to the assessment parameter of the nursing process. The purpose of this course is to broaden the learners' knowledge base, to increase their assessment skills, and to facilitate their ability to apply these skills in a clinical setting. The knowledge from this course is immediately applicable to everyday patient care. Students must be enrolled in the ASU RN to BSN online program.

**NURS 440 - Prof Pct Role Devl Nursing**

Credit Hours: 3.000

This course facilitates the development and implementation of strategies to enable the synthesis of professional development for the nurse. The course enables the student to recognize and understand the critical role that nurses play in health care delivery. Students will analyze principles practice and will explore strategies to model the professional practice role in current clinical situations. Students must be enrolled

in the ASU RN to BSN online program or ADN Dual Enrollment program.

**NURS 450 - Intro to Case Management**

Credit Hours: 3.000

This course examines case management from a variety of perspectives and settings. Students will apply principles of care coordination to a current clinical setting. The course will facilitate analysis of the advantages and disadvantages of current models of care coordination. Student s must be enrolled in the ASU RN to BSN online program.

Prerequisites:

**NURS 460 - Community Health Nursing**

Credit Hours: 3.000

This course explores the demands of the dynamic health care system that require nurses to have an understanding of both community health nursing and population-focused practice. Nurses must be able to span systems of care and focus on the needs of aggregates, no matter where health care services are provided and/or needed. This course further explores population-focused decision making, community-based strategies for health promotion and disease prevention, primary care services, and disaster prevention and planning which are emerging issues at the forefront of healthcare services. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites:

NURS 430 Minimum Grade: C

AND NURS 430 Minimum Grade: T

Corequisites:

NURS 470

**NURS 470 - Nursing Capstone**

Credit Hours: 3.000

This course provides the student with a synthesis practicum experience designed in collaboration with a faculty member and community representative, and completed within an appropriate health care or community based care setting. Students will integrate knowledge of evidence-based practice, quality and safety initiatives, leadership, an all previous coursework to design, implement, and lead an interdisciplinary team project to improve client outcomes. The project must demonstrate ability to synthesize and apply the knowledge and skills acquired in the RN to BSN program to real-world nursing issues and problems. This final project demonstrates student's ability to think critically and creatively, to solve practical problems related to nursing practice or the facilitation of patient-centered care, to make reasoned and ethical decisions, and to effectively communicate orally and in writing. Students must be enrolled in the ASU RN or BSN online program.

Prerequisites:

NURS 460 Minimum Grade: C

OR NURS 460 Minimum Grade: T

Corequisites:

NURS 460

**NURS 479 - Special Topics**

Credit Hours: 0.500 TO 8.000

Offered periodically to meet students' special interests in the field.

**NURS 479C - Special Topics**

Credit Hours: 0.500 TO 8.000

Offered periodically to meet student special interests in the field.

**NURS 492 - Workshop**

Credit Hours: 0.500 TO 8.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**OES 101 - Outdoor Recreation Essentials**

Credit Hours: 3.000

This course is a general introduction to outdoor recreation history, theories, natural resource management, and current trends in the outdoor recreation industry. Students are also introduced to essential outdoor skills for camping and backpacking including trip planning, equipment selection and care, food preparation, Leave No Trace environmental ethics, and risk management. Field trips are required including overnight trips.

**OES 121 - Introduction to Rock Climbing**

Credit Hours: 1.000

This course is an overview of the techniques, concepts, and practices of outdoor rock climbing. Students will learn the technical skills necessary to be successful in a single pitch sport climbing event.

**OES 122 - Intro to Canoeing and SUP**

Credit Hours: 1.000

This course is designed to give students a foundation of skills for running non-whitewater rivers in a canoe or Stand-up Paddleboard (SUP). Students will learn basic paddling skills, river reading, equipment selection and use, and rescue techniques.

**OES 123 - Intro to Mountain Biking**

Credit Hours: 1.000

This course will provide students the fundamental skills necessary to ride a mountain bike. Participants will go through all of the beginner and intermediate skills required to handle a mountain bike as well as learn how to assess and navigate various terrain.

**OES 124 - Intro to Kayaking**

Credit Hours: 1.000

This course is designed to give students the fundamental skills for running class II rivers in a whitewater kayak. Students will learn basic paddling skills, river reading, equipment selection, and rescue techniques.

**OES 125 - Winter Recreation Essentials**

Credit Hours: 1.000

This course introduces students to the essential knowledge and skills for winter travel and camping. Students will learn techniques for setting up camp and living outside in the snow giving student's confidence in their ability to enjoy recreation in the winter environment. Field trip is required.

**OES 126 - Intro to Ice Climbing**

Credit Hours: 1.000

This course is an introduction to the techniques, concepts, and practices of ice climbing. Students will learn basic skills including proper clothing selection, ice climbing equipment use and maintenance, route selection, and the fundamentals of movement on ice. Field trip required.

Prerequisites:

OES 121 Minimum Grade: P

**OES 127 - Trail Stewardship**

Credit Hours: 1.000

This course is an introduction to the techniques, concepts, and practices of trail stewardship. Participation in a local volunteer trail project will be a primary part of this course.

**OES 200 - Foundations of Outdoor Ldrship**

Credit Hours: 3.000

This course is an overview of the history, theories, concepts, and practices that constitute outdoor leadership professional practice. Students learn a competency based approach to the development of an outdoor leader. Topics include historical and philosophical foundations of outdoor recreation and education, theories of leadership, judgment and decision making, teaching and facilitation, safety and risk management, and environmental stewardship. Field trips are required.

**OES 261 - Outdoor Leadership Expedition**

Credit Hours: 6.000

This course is a field immersion experience to develop and practice outdoor leadership. Students participate in a two week backpacking expedition to learn and apply principles and strategies for minimum impact environmental ethics, risk management, teaching, and leadership. Field trips required.

Prerequisites:

OES 200 Minimum Grade: C-

**OES 262 - Climbing Wall Instructor**

Credit Hours: 1.000

The Climbing Wall Instructor Course provides students with an in-depth and standardized understanding of the skills essential to teaching climbing in an indoor setting. It is the first step in a sequential approach to professional climbing instructor development. The course reinforces the importance of teaching technically accurate information and debunks many common climbing myths. The course emphasizes the presentation of sound fundamental skills to climbing gym participants, the formation of risk assessment and risk management skills

and basic problem-solving skills such as belay transitions and on wall coaching and assist techniques.

Prerequisites:

OES 121 Minimum Grade: C-

**OES 263 - Mountain Biking Site Mgmt**

Credit Hours: 2.000

The Mountain Bike Site Management course provides students with an in-depth understanding of the skills essential for leading and teaching a mountain bike program. This course will cover mountain bike riding technique, safety and risk management, basic maintenance, and skills course designing. Field trips are required.

Prerequisites:

OES 123 Minimum Grade: P

AND OES 261 Minimum Grade: C-

**OES 264 - Rock Climbing Site Mngmnt**

Credit Hours: 2.000

This course will cover outdoor rock climbing skills for the single pitch terrain with an emphasis on the management of top-rope climbing sites. Course includes topics on climber safety, equipment use and care, climbing anchors, setup of top-rope climbing sites, sport and trad climbing, rappelling, designing climbing experiences, and managing clients. Field trips are required.

Prerequisites:

OES 121 Minimum Grade: P

AND OES 261 Minimum Grade: C-

**OES 265 - Ice Climbing Site Mngmnt**

Credit Hours: 2.000

This course will cover ice climbing skills for the single pitch terrain with an emphasis on the management of top-rope ice climbing sites. Course includes topics on climber safety, equipment use and care, ice climbing anchors, setup of top-rope ice climbing sites, rappelling, designing and leading ice climbing experiences, and working with clients. Field trips are required.

Prerequisites:

OES 125 Minimum Grade: P

AND OES 261 Minimum Grade: C-

AND OES 264 Minimum Grade: C-

**OES 267 - Outfitter & Guide Site Mngmnt**

Credit Hours: 2.000

This course will cover skills related to guiding and outfitting for hunting and fishing services. Course includes topics on guide and client safety, equipment use and care, navigation, emergency response, planning trips, state regulations, and maximizing client rewards. Field trips are required.

Prerequisites:

OES 200 Minimum Grade: C-

AND OES 261 Minimum Grade: C-

**OES 269 - Observing Nature**

Credit Hours: 3.000

Through field experiences both on campus and off, students learn to carefully observe the natural environment, identify local flora and fauna, and keep a naturalist's field journal. Meets once a week for 2 hours. Field trips are required.

**OES 270 - Paddle Sports Site Mngmnt**

Credit Hours: 2.000

This course will cover whitewater skills for kayaking and canoeing with an emphasis on the management of up to class III whitewater. Course includes topics on boater safety, equipment use and care, paddling strokes and maneuvers, reading the river, setup of rapids, rescue skills, planning river trips, designing paddling experiences, and managing clients. Field trips are required.

Prerequisites:

OES 124 Minimum Grade: P

AND OES 261 Minimum Grade: C-

**OES 300 - Programming Lab**

Credit Hours: 1.000

Students meet weekly to plan recreational, skill development, and leisure programming for the campus community and/or for other SLV community groups. Students may also assist agencies and organizations in programming or other outdoor leadership related efforts. To apply and gain practical experience, students will practice designing, facilitating, and assessing programs through delivery of multiple programs. Students work with a faculty member for feedback, mentoring, and support.

Prerequisites:

OES 200 Minimum Grade: C-

AND OES 261 Minimum Grade: C-

**OES 310 - Snow Mountaineering**

Credit Hours: 1.000

This course is an introduction to climbing in the alpine environment. Students learn skills and techniques for travel on snow and in 3rd and 4th class terrain. Field trips are required.

Prerequisites:

OES 264 Minimum Grade: C-

AND OES 265 Minimum Grade: C-

AND OES 266 Minimum Grade: P

AND OES 327 Minimum Grade: C-

**OES 327 - Snowpack & Terrain Assessment**

Credit Hours: 3.000

This course will introduce students to the complex decision-making required for navigating and recreating in the winter. This course includes topics on proper winter clothing and equipment, equipment use and care, avalanche terrain assessment, snowpack assessment, stability tests, avalanche forecasting, and companion rescue. Field trips are required.

Prerequisites:

OES 125 Minimum Grade: P



AND OES 261 Minimum Grade: C-  
**OES 330 - Advanced Technical Course**

Credit Hours: 2.000

The advanced technical course builds upon a student's activity and site management skills. Students will advance their skills in a particular discipline learning more advanced techniques and systems and challenging their abilities. Topics will vary each semester between rock climbing, paddle sports, alpine climbing, canyoneering, bike packing, and ski mountaineering. Instructor approval required. Field Trips Required  
Prerequisites:

OES 261 Minimum Grade: C-

**OES 350 - Experiential Education**

Credit Hours: 3.000

This course explores the history and development of experiential education. Students learn and evaluate related learning theories and philosophies to inform and guide their practice as outdoor educators.

**OES 367 - Facilitation of Adventure Exp**

Credit Hours: 3.000

Students learn the theories, concepts, and practice of facilitation for personal and interpersonal development. Attention is given to the intersectionality of social psychology, human development, adventure education, and experiential constructs that comprise the practice of facilitation with emphasis on challenge course leadership. This course integrates three hours of lecture per week with participation in weekly field-based experiential learning.

Prerequisites:

OES 200 Minimum Grade: C-

**OES 370 - Environmental Stewardship**

Credit Hours: 3.000

This course immerses students into conservation practices and stewardship. Hands-on experience participating in local stewardship projects with nonprofit, federal, and state agencies will be a primary component of the course. Students will gain an understanding of how local agencies and organizations identify, prioritize, allocate resources and collaborate to accomplish conservation and stewardship objectives. Students will learn professional approaches and strategies for recreational trail design, maintenance and habitat restoration. Students are required to participate in a variety of learning experiences in various locations throughout the San Luis Valley.

**OES 450 - Program Design & Mngmnt**

Credit Hours: 3.000

To manage an outdoor program, outdoor leaders must add to their field based competencies and experience specific skill sets for effective oversight, support, and leadership. Program managers are responsible for a variety of critical administrative functions that ultimately lead to the effective delivery and risk management of

outdoor programs. Students in this course will begin developing their administrative competencies including program design, risk management, budgeting, permitting, staff training, program assessment, incident response and more.

Prerequisites:

OES 200 Minimum Grade: C-

AND OES 367 Minimum Grade: C-

**OES 451 - OES Internship**

Credit Hours: 3.000

To enhance and apply program skills, students will complete a 400-hour internship. To receive credit, students must document their hours and complete required internship assignments. Approval of internship by instructor is required.

Prerequisites:

OES 450 Minimum Grade: C-

**OES 480 - Capstone Seminar in OES**

Credit Hours: 3.000

In this course students will complete a signature project that demonstrates the culmination of their program work and experiences. During the course students will also investigate emergent trends, issues, and challenges related to outdoor education and recreation. Students will select a project of interest with the assistance of a faculty member. Project types include curriculum development, program design, original research, or volunteer service project. Students will also finalize and submit their ePortfolio.

Prerequisites:

OES 450 Minimum Grade: C-

AND OES 451 Minimum Grade: C-

**PHIL 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**PHIL 192 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 201 - Intro to Philosophy GT-AH3**

Credit Hours: 3.000

A survey of philosophical inquiries, theories, and major problems arising from man's attempt to understand the significance of the world in which he lives and works.

**PHIL 202 - Ethics**

Credit Hours: 3.000

An examination of criteria governing ethical responses in typical situations as presented by representative thinkers. The application of principles in the

development of reasonable standards of conduct and in the formulation of codes of ethics.

**PHIL 203 - Philosophy of Religion**

Credit Hours: 3.000

Examination of the classical issues of religious thought, such as the existence of God, problem of evil, nature of religious language, life after death, and the pluralism of religious traditions.

**PHIL 205 - Logic & Critical Thinking**

Credit Hours: 3.000

This course will develop student competencies to reason correctly through the identification, evaluation, and construction of arguments. Among the subjects covered are uses of language, types of arguments, informal fallacies, elementary deductive arguments, symbolic logic, and various forms of reasoning including moral, legal, scientific, and exegetical. In addition to improving reasoning skills, students will critically evaluate various disciplines, arguments, and forms of reasoning through the identification and evaluation of underlying assumptions or commitments. The knowledge and skills developed in this course will lead to success and competency in other disciplines and give students the tools and inspiration to become lifelong learners and effective citizens.

**PHIL 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**PHIL 289 - Meaning of Life**

Credit Hours: 3.000

There are three answers to whether life has meaning, value, or significance. Supernaturalism holds that life is meaningful given a relationship with the divine, naturalism finds meaning in life though there are no gods, and nihilism argues that life has no meaning. Each of these answers will be explored in detail.

**PHIL 292 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 303 - Chinese Philosophy**

Credit Hours: 3.000

A critical examination of the major philosophical traditions in China. The focus will be on the methodology and content of Chinese approaches to understanding nature, human nature, society, knowledge, and the good life.

**PHIL 304 - Religions of the Western World**

Credit Hours: 3.000

A survey of major religious traditions of the west and their early influences. The course will cover but is not limited to Zoroastrianism, Mithraism, Manichaeism, Greek and Roman, Judaism, Christianity, Islam.

**PHIL 323 - Atheism**

Credit Hours: 3.000

Examines the arguments, concepts, and objection to atheism. The course addresses atheism in the context of morality, cosmology, and the problems of evil, faith, science, and a meaningful life.

**PHIL 324 - Existentialism**

Credit Hours: 3.000

Introduction to Existentialism by a close reading of some of its primary texts. Existentialism concerns itself with the problems of the individual coming to term with their own existence. The course will concern itself with the structure/nature of subjectivity, relationship between the individual and others, and the meaning of life. A special emphasis will be given to religious existentialism: the relationship between the individual and the divine.

**PHIL 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**PHIL 392 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 436 - American Thought**

Credit Hours: 3.000

The historical, philosophical, and literary ideas that have influenced American life and thought. Same as HIST 436 and GOVT 436.

**PHIL 466 - Ancient Political Theory**

Credit Hours: 3.000

The first course of a two-semester course sequence designed to provoke philosophical reflection regarding the perennial, and still fundamental, questions about man in relation to the state. The first semester will focus on the period from Plato to St. Thomas. Same as GOVT 467.

**PHIL 467 - Modern Political Theory**

Credit Hours: 3.000

The second course of a two-semester course sequence designed to provoke philosophical reflection regarding the perennial, and still fundamental, questions about man in relation to the state. The second-semester course will treat thinkers for Machiavelli through Marx. Same as GOVT 467.

**PHIL 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**PHIL 492 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**PHIL 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**PHYS 102 - Intro to Engineering Design**

Credit Hours: 2.000

This course serves as an introduction to engineering design and should be taken by all students who have elected to pursue the pre-engineering curriculum at Adams State University or who have an interest in exploring engineering as a career. Students will be engaged in the design process throughout the entire course. Using LEGO Mechanical Engineering Set and the LEGO RCX Brick, students will learn about mechanical systems and design solutions to specific problems.

Prerequisites:

A02 - Minimum Score: 17

OR ACMA - Minimum Score: 085

OR MATH 097 Minimum Grade: C-

OR MATH 097 Minimum Grade: T

**PHYS 110 - Astronomy: Stars & Galaxies**

Credit Hours: 3.000

An introductory course in astronomy with primary focus placed on study of the universe beyond our solar system including stars, galaxies, black holes, and cosmology.

Students may need to attend night-sky viewing sessions as a requirement of the course.

**PHYS 179 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**PHYS 192 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 199 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 210 - Computer Aided Drafting**

Credit Hours: 3.000

This course examines the drafting/design field of mechanically oriented objects. Topics include multi-view drawings, sectioning, auxiliary views, exploded assemblies, working drawings, isometric drawings, oblique drawings, and illustration techniques, and each will be presented within the framework of computer aided drafting and design. No drafting experience is required or assumed. Some freehand drawing and sketching may be covered. This course may require additional laboratory time outside of class.

**PHYS 225 - College Physics I GT-SC1**

Credit Hours: 5.000

The first course of a two-semester lecture/laboratory sequence introducing the fundamental principles of physics. In the first semester, students will be introduced to the areas of kinematics, dynamics, energy, momentum, heat, and sound. Conceptual understanding as well as problem solving techniques will be emphasized in the lecture. Laboratory sections meet for two hours each week and the exercises performed in the laboratory coincide closely with the topics presented in the lecture. Instructor permission must be obtained to register for this course.

Prerequisites:

MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: T

**PHYS 226 - College Physics II**

Credit Hours: 5.000

The second course of a two-semester lecture-laboratory sequence introducing the fundamental principles of physics. In the second semester, students will be introduced to the areas of electricity, electric circuits, optics, and topics in modern physics. Conceptual understanding as well as problem-solving techniques will be emphasized in the lecture. The laboratory sections meet for two hours each week and the exercises performed in the laboratory coincide closely with the topics presented in the lecture.

Prerequisites:

PHYS 225 Minimum Grade: C-

OR PHYS 225 Minimum Grade: T

**PHYS 230 - General Physics I GT-SC1**

Credit Hours: 4.000

A calculus-based study of the fundamental principles and concepts of mechanics, sound, heat. Designed for students planning additional course work in chemistry,

physics, engineering, or mathematics. The laboratory (PHYS 231) must be taken concurrently.

Prerequisites:

MATH 120 Minimum Grade: C-

OR MATH 120 Minimum Grade: T

Corequisites:

PHYS 231

**PHYS 231 - General Physics I Lab GT-SC1**

Credit Hours: 1.000

One two-hour laboratory per week with lab projects that coincide with the lecture material in PHYS 230. A calculus-based treatment of data will be required for some lab projects. The laboratory experience provides a vital link for students in their development of an ability to apply mathematics to simple systems, allowing them to analyze the system for theoretical behavior and to account for the errors which give them the observed behavior.

Corequisites:

PHYS 230

**PHYS 232 - Gen Physics II (Cal) GT-SC1**

Credit Hours: 4.000

A calculus-based study of the fundamental principles and concepts of electricity, magnetism, and light.

Designed for students planning additional course work in chemistry, physics, engineering, or mathematics. The laboratory (PHYS 233) must be taken concurrently. Note that there is no coverage of topics in "modern physics" (e.g., special relativity, quantum mechanics, etc.).

Prerequisites:

( PHYS 230 Minimum Grade: C-

OR PHYS 230 Minimum Grade: T )

AND ( MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T )

Corequisites:

PHYS 233

**PHYS 233 - Gen Phys II Lab (Cal) GT-SC1**

Credit Hours: 1.000

One two-hour laboratory per week with lab projects that coincide with the lecture material in PHYS 232. A calculus-based treatment of data will be required for some lab projects. The laboratory experience provides a vital link for students in their development of an ability to apply mathematics to simple systems, allowing them to analyze the system for a theoretical behavior and to account for the errors which give them the observed behavior.

Prerequisites:

( PHYS 230 Minimum Grade: D

AND PHYS 231 Minimum Grade: D )

OR ( PHYS 230 Minimum Grade: T

AND PHYS 231 Minimum Grade: T )

Corequisites:

PHYS 232

**PHYS 242 - Statics**

Credit Hours: 3.000

An application of transitional and rotational equilibrium of physical structures. A few well understood basic principles will be used to analyze and solve problems in a logical manner. Vector algebra is introduced and is used throughout the course.

Prerequisites:

PHYS 230 Minimum Grade: C-

OR PHYS 230 Minimum Grade: T

**PHYS 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**PHYS 292 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 299 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 300 - Electronics & Microcontrollers**

Credit Hours: 4.000

A combined lecture and laboratory course in electronics consisting of four laboratory contact hours and two lecture contact hours per week. The course is a study in operational amplifiers, TTL integrated circuits, and microcontroller interfacing and programming. The focus is on applications and circuit design. Offered in the fall of even years.

Prerequisites:

( PHYS 226 Minimum Grade: C-

OR PHYS 232 Minimum Grade: C- )

OR ( PHYS 226 Minimum Grade: T

OR PHYS 232 Minimum Grade: T )

**PHYS 302 - Mechanics**

Credit Hours: 4.000

Advanced study of the laws of motion using Newtonian mechanics, an introduction to Hamilton's principle and lagrangian dynamics. Topics include systems of particles, linear and driven oscillators, central force motion, motion in non-inertial reference frames, and dynamics of rigid bodies. Offered spring term of odd years.

Prerequisites:

( PHYS 230 Minimum Grade: C-

AND PHYS 231 Minimum Grade: C-

AND PHYS 232 Minimum Grade: C-

AND PHYS 233 Minimum Grade: C-

AND MATH 327 Minimum Grade: C- )

OR ( PHYS 230 Minimum Grade: T

AND PHYS 231 Minimum Grade: T

AND PHYS 232 Minimum Grade: T

AND PHYS 233 Minimum Grade: T

AND MATH 327 Minimum Grade: T )

**PHYS 304 - Electricity and Magnetism**

Credit Hours: 4.000

Advanced theory and applications of electrostatics and magnetostatics; steady currents; scalar and vector potentials; Gauss' Law, Laplace's equation; Ampere's and Faraday's law. This course is offered during the fall semester of odd years.

Prerequisites:

( PHYS 230 Minimum Grade: C-

AND PHYS 231 Minimum Grade: C-

AND PHYS 232 Minimum Grade: C-

AND PHYS 233 Minimum Grade: C-

AND MATH 327 Minimum Grade: C- )

OR ( PHYS 230 Minimum Grade: T

AND PHYS 231 Minimum Grade: T

AND PHYS 232 Minimum Grade: T

AND PHYS 233 Minimum Grade: T

AND MATH 327 Minimum Grade: T )

**PHYS 306 - Modern Physics**

Credit Hours: 4.000

A survey of topics in modern physics including: special relativity, properties of electromagnetic radiation, and introduction to quantum mechanics with applications to barriers and atoms. Additional topics vary from year to year and may include statistical mechanics, solid state physics, properties on nuclei and their transformations, natural and induced radioactivity, and elementary particles. Offered spring semesters of even years.

Prerequisites:

( PHYS 232 Minimum Grade: C-

AND MATH 121 Minimum Grade: C-

AND CHEM 131 Minimum Grade: C-

AND CHEM 132 Minimum Grade: C- )

OR ( PHYS 232 Minimum Grade: T

AND MATH 121 Minimum Grade: T

AND CHEM 131 Minimum Grade: T

AND CHEM 132 Minimum Grade: T )

**PHYS 320 - Planetarium Operation**

Credit Hours: 2.000

Techniques in the preparation and presentation of planetarium shows at the Zacheis Planetarium/Observatory. This course requires instructor approval for registration purposes.

Prerequisites:

PHYS 201 Minimum Grade: D

OR PHYS 201 Minimum Grade: T

**PHYS 330 - Numerical Meth for Scientists**

Credit Hours: 4.000

Numerical methods for solving physical problems including root finding, integration, differential equations, linear algebra, and Fourier methods. Students will learn to develop mathematical models for physical systems and then use spreadsheets and commercial software to

quantitatively describe the behavior of those systems. Applications to real physical systems will be stressed.

Prerequisites:

PHYS 230 Minimum Grade: C-

AND PHYS 231 Minimum Grade: C-

AND MATH 121 Minimum Grade: C-

**PHYS 379 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**PHYS 392 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 399 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 436 - Research in Physics**

Credit Hours: 1.000

The physics "capstone" experience. An independent research course tailored to meet the needs/desires of the student. The student will work with a professor on a research project either designed by the student and the professor. This course requires instructor approval for registration purposes.

**PHYS 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

**PHYS 492 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 499 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 579 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interest in the field.

**PHYS 592 - Workshop**

Credit Hours: 1.000 TO 4.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 599 - Individual Studies**

Credit Hours: 1.000 TO 5.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 179 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interest in the field.

**POLS 192 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

POLS 199 - Individual Studies

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**POLS 291 - American Government GT-SS1**

Credit Hours: 3.000

This course examines American government and politics, including the Constitution, Congress, presidency, courts, public opinion, voting, socialization, civil rights and liberties, and public policy.

**POLS 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 300 - Introduction to World Politics**

Credit Hours: 3.000

This course is of interest to students who want a better understanding of the international political arena. The course also helps students understand contemporary world affairs.

**POLS 301 - Chang Dynamics/Int'l Relations**

Credit Hours: 3.000

This course is intended to supplement POLS 300, but can stand on its own. It introduces students to specific topics in the international arena.

**POLS 303 - Current Political Issues**

Credit Hours: 3.000

This course examines current controversial political issues such as affirmative action, same sex marriage, abortion, capital punishment, cloning, pornography, censorship, religion in public schools, and immigration.

**POLS 305 - Religion/Politics in the US**

Credit Hours: 3.000

This course examines the many ways that religion plays a role in American politics including church-state relations, public opinion and voting, political culture, and public policy.

**POLS 306 - Campaigns and Elections**

Credit Hours: 3.000

This course is a study of elections and campaigns in the US. It focuses on the design and implementation of political campaigns, the behavior of different voter groups, and potential reforms of the electoral system.

**POLS 307 - Intro to World Governments**

Credit Hours: 3.000

This course is specifically designed to prepare education majors for the licensing exam. It is also of interest to history/political science students who want a better understanding of institutions and systems.

**POLS 308 - Pacific Rim/21st Century World**

Credit Hours: 3.000

This course is of interest to BA in History/Anthropology/Philosophy/Political Science/Spanish: Political Science Emphasis students who want a better understanding of international politics in the Pacific Rim region. This course also helps students understand the relationship between politics and economics.

**POLS 325 - Political Mvmnts/Latin America**

Credit Hours: 3.000

This course broadens students' understanding of Latin America by introducing them to their political aspirations and modes of organization.

**POLS 351 - Congr/Presidency/Public Policy**

Credit Hours: 3.000

This course examines Congress, the legislative process, presidency, and how both influence the policy-making process, with emphasis on specific policies such as healthcare, education, crime, housing, and social welfare.

**POLS 358 - Public Opinion & Socialization**

Credit Hours: 3.000

This course is an examination of public opinion and socialization in the United States. The focus of this course will be on the formation, content, and impact of public opinion on politics, elections, and policy.

**POLS 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**POLS 380 - Model United Nations**

Credit Hours: 3.000

This course explores international diplomacy and the inner workings of the United Nations. It also provides a hands-on approach to current global debates on issues such as violent conflict, human rights and poverty.

**POLS 385 - Politics and Media**

Credit Hours: 3.000

This course is the study of media and politics. Topics to be studied may include network and cable political shows, newspapers, campaign ads, entertainment media, the ways media influence the political process, individual opinion, and elections, and how politicians use media to win elections, govern, and make policy.

**POLS 392 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 393 - Women, Politics and Culture**

Credit Hours: 3.000

Interdisciplinary analysis of politics and culture. Course examines the role of gender in the political culture of the United States and selected societies in industrialized and developing nations. Of special interest to those wishing to pursue an interest in women's studies and/or cultural anthropology.

**POLS 399 - Individual Studies**

Credit Hours: 1.000 TO 9.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 429 - Constitutional Law/Criminal Justice**

Credit Hours: 3.000

This course examines Supreme Court decisions and doctrine in areas such as search and seizure, the exclusionary rule, interrogations, right to counsel, cruel and unusual punishment and other issues in criminal justice and the courts.

**POLS 430 - Constitutional Law: Civil Liberties**

Credit Hours: 3.000

This course examines Supreme Court decisions and doctrine in areas such as speech, assembly, religion, privacy, press, civil rights, and election law.

**POLS 436 - American Thought**

Credit Hours: 3.000

The interaction of religious ideas, practices, and aspirations in United States History, 1607 to Present. (Same as HIST 436 and PHIL 436)

**POLS 460 - Pre-Law Studies Seminar**

Credit Hours: 3.000

Taught in an intensive Socratic format, this course is designed to prepare students specifically to read, write, and think like a lawyer. In addition to formal classroom exercises, students shall visit courts and interact with practicing attorneys.

**POLS 466 - Ancient Political Theory**

Credit Hours: 3.000

This course is of interest to history/government students who want a better understanding of ancient philosophy and its relationship to political thought.

**POLS 467 - Modern Political Theory**

Credit Hours: 3.000

This course is of interest to history/government students who want a better understanding of modern philosophy and its relationship to political thought.

**POLS 468 - U.S.-Latin American Relations**

Credit Hours: 3.000

This course will examine U.S.-Latin American Relations from the Monroe doctrine to the Present. It will explore recent developments in U.S.-Latin American relations, particularly the growing interdependence and the impact of the end of the cold war.

**POLS 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**POLS 492 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 499 - Individual Studies**

Credit Hours: 1.000 TO 15.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**POLS 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**POLS 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permissions and approval of the department chair.

**PSYC 101 - Introduction to Psych GT-SS3**

Credit Hours: 3.000

This course provides students with a survey of research and theory in the science of psychology. An important goal of the course is to broaden the student's understanding of self and others. Course topics include critical thinking skills, research methods, neuroscience, sensation and perception, life-span development, learning, memory, personality, psychological disorders, and social psychology.

**PSYC 179 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**PSYC 192 - Workshops**

Credit Hours: 0.500 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PSYC 199 - Independent Study**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PSYC 204 - Child Development**

Credit Hours: 3.000

The goal of this course is to examine the interaction of heredity and environment on human development from conception through pre-adolescence. Issues in physical, cognitive, and social development from the individual and normative perspectives are explored. Some topics

include the birth process, early cognitive and language development, gender socialization, the impact of parenting styles, and moral reasoning.

Prerequisites:

PSYC 101 Minimum Grade: C

OR PSYC 101 Minimum Grade: T

OR PSYC 101 Minimum Grade: C

OR PSYC 106 Minimum Grade: C

OR PSYC 106 Minimum Grade: C

### **PSYC 205 - Adolescent & Adult Development**

Credit Hours: 3.000

This course continues the study of life-span development from adolescence through old age and death. Issues in physical, cognitive, and social development from the individual and normative perspectives are explored.

Topics include identity formation, sexual orientation, marriage, models of aging, changes in cognition, social developments, and coping with old age.

Prerequisites:

PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

OR PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

### **PSYC 211 - Intro to Stats Lecture/Lab**

Credit Hours: 4.000

In this course, students will develop a working appreciation of statistical concepts and applications as employed in the behavioral sciences. The course presents descriptive and inferential statistics and their applications. The laboratory component of this course gives students an opportunity to develop skills in using statistical software.

Prerequisites:

( PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

OR PSYC 101 Minimum Grade: C- )

AND ( MATH 099 Minimum Grade: C-

OR MATH 099 Minimum Grade: T

OR MATH 097 Minimum Grade: S-A

OR MATH 097 Minimum Grade: S-B

OR MATH 097 Minimum Grade: S-C

OR MATH 097 Minimum Grade: T

OR MATH 104 Minimum Grade: C-

OR MATH 104 Minimum Grade: T

OR MATH 106 Minimum Grade: C-

OR MATH 106 Minimum Grade: T

OR MATH 107 Minimum Grade: C-

OR MATH 107 Minimum Grade: T

OR MATH 120 Minimum Grade: C-

OR MATH 120 Minimum Grade: T

OR MATH 121 Minimum Grade: C-

OR MATH 121 Minimum Grade: T

OR MATH 140 Minimum Grade: C-

OR MATH 140 Minimum Grade: T

OR MATH 150 Minimum Grade: C-

OR MATH 150 Minimum Grade: T

OR MATH 099 Minimum Grade: C-

OR MATH 104 Minimum Grade: C-

OR MATH 106 Minimum Grade: C-

OR MATH 107 Minimum Grade: C-

OR A02 - Minimum Score: 19

OR S02 - Minimum Score: 460

OR ALEK - Minimum Score: 30

OR S12 - Minimum Score: 500 )

### **PSYC 230 - Psychology of Mental Health**

Credit Hours: 3.000

The purpose of this course is to provide students with the historical and social background necessary to understand mental health issues. Students will examine the psychodynamic, behavioral, and cognitive approaches related to the development and treatment of mental disorders and their classifications. Topics will include schizophrenia, depression, bipolar, and personality disorders.

Prerequisites:

PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

### **PSYC 233 - Lifespan Dev for Nurses**

Credit Hours: 3.000

This is a foundational course for nursing students in human growth and development. The goal of this course is to examine the interaction of heredity and environment on biological, cognitive, and social development from conception to death.

Prerequisites:

PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

OR PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

### **PSYC 245 - Brain and Behavior**

Credit Hours: 3.000

This course provides students with a basic overview of the biological processes underlying human behavior. This course begins by presenting fundamental nervous system structure and processes and concludes by examining the role of biology in complex behaviors. Clinical case studies are used to illustrate psychological and neurological disorders. Sample topics include evolution and genetics, neural communication, major brain structures and their functions, human brain damage, sleep and dreaming, drug addiction, memory and amnesia, and stress and illness.

Prerequisites:

PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

OR PSYC 101 Minimum Grade: C-

### **PSYC 265 - Personalities in Perspective**

Credit Hours: 3.000

This course provides an introduction to the psychodynamic, trait, behavioral, biological, cognitive



and humanistic approaches to personality. Specific theories and current research within each approach are reviewed. The course covers such theorists as Freud, Jung, Erikson, Skinner, Bandura, Cattell, Allport, and May.

Prerequisites:

PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T

**PSYC 279 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**PSYC 292 - Workshops**

Credit Hours: 0.500 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**PSYC 299 - Independent Study**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PSYC 310 - Child & Adoles Psychopathology**

Credit Hours: 3.000

This course provides an examination of the classification, scientific theories, and research regarding abnormal behavior of children and adolescents.

Distinctions between adult and childhood disorders will be explored from a developmental perspective. The study of abnormal behavior of children and adolescence (or developmental psychopathology) focuses on nature and development of mental disorders, such as depression, attention-deficit hyperactivity disorder, separation anxiety disorder, the autistic spectrum of disorders, to name just a few. Information regarding the etiology (causes) adult and childhood disorders will be explored.

Prerequisites:

( PSYC 101 Minimum Grade: C-

AND PSYC 204 Minimum Grade: C- )

OR ( PSYC 101 Minimum Grade: T

AND PSYC 204 Minimum Grade: T )

**PSYC 315 - Multicultural Issues**

Credit Hours: 3.000

In this course, students will explore various components of a multicultural society and the impact of social and cultural forces on identity development and formation. The processes of acculturation and assimilation will be discussed. Students will also gain insight into their own cultural experiences in a pluralistic society.

Prerequisites:

( PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T )

AND ( PSYC 204 Minimum Grade: C-

OR PSYC 204 Minimum Grade: T )

AND ( PSYC 205 Minimum Grade: T

OR PSYC 205 Minimum Grade: C- )

AND ( PSYC 211 Minimum Grade: C-

OR PSYC 211 Minimum Grade: T )

**PSYC 316 - Drugs,Society & Human Behavior**

Credit Hours: 3.000

This course addresses the social, biological, and psychological factors of the major drugs associated with therapeutic and recreational use and abuse. Topics include drug use as a social problem, theories and treatment of addiction, how drugs work, and the detrimental health effects of drug use.

Prerequisites:

( PSYC 101 Minimum Grade: C-

AND PSYC 211 Minimum Grade: C-

AND PSYC 245 Minimum Grade: C- )

OR ( PSYC 101 Minimum Grade: T

AND PSYC 211 Minimum Grade: T

AND PSYC 245 Minimum Grade: T )

OR ( PSYC 101 Minimum Grade: C-

AND PSYC 211 Minimum Grade: C-

AND PSYC 245 Minimum Grade: C- )

**PSYC 330 - Professional Seminar**

Credit Hours: 1.000

This course provides psychology majors with an overview of careers and opportunities in the field of psychology. Educational requirements, career opportunities, and professional and ethical issues are discussed.

Prerequisites:

( PSYC 101 Minimum Grade: C-

AND PSYC 204 Minimum Grade: C-

OR PSYC 205 Minimum Grade: C- )

OR ( PSYC 101 Minimum Grade: T

AND PSYC 204 Minimum Grade: T

OR PSYC 205 Minimum Grade: T )

**PSYC 345 - Psychological Testing & Assess**

Credit Hours: 3.000

This course provides students with an introduction to the methods and issues involved in testing and assessment.

Various assessment domains are presented including personality, cognitive ability, and interests/values.

Topics covered in this course include the historical foundation of assessment, reliability, validity, and test construction and ethical considerations.

Prerequisites:

( PSYC 101 Minimum Grade: C-

AND PSYC 204 Minimum Grade: C-

OR PSYC 205 Minimum Grade: C-

AND PSYC 211 Minimum Grade: C- )

OR ( PSYC 101 Minimum Grade: T

AND PSYC 204 Minimum Grade: T

OR PSYC 205 Minimum Grade: T

AND PSYC 211 Minimum Grade: T )

**PSYC 350 - Industrial/Organiz'tl Psych**

Credit Hours: 3.000

This course focuses on the application of psychological principles to the workplace. The domains of personnel psychology, organizational psychology, and human factors are presented. Research and real-world applications are discussed in relation to employee selection, training, and promotion; organizational climate and leadership; and human-computer interface.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T )  
AND ( PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: T )

### **PSYC 355 - Research Methods in Psychology**

Credit Hours: 4.000

This course focuses on the procedures and potential problems associated with research in the behavioral sciences. Students learn how to develop research questions, choose an appropriate research design, collect and analyze data using statistical software, interpret results, and write a report using APA style. The laboratory component provides supervised hands-on experience in project development.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T )  
AND ( PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: T )  
AND ( LS 225 Minimum Grade: C-  
OR LS 225 Minimum Grade: T )

### **PSYC 360 - Psychology of Gender**

Credit Hours: 3.000

This course will examine gender development from a variety of theoretical approaches, including evolutionary, cognitive, social learning, and cross-cultural. Topics will include how gender influences thinking, communication, interpersonal relationships, education, work, and family.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T )  
AND ( PSYC 204 Minimum Grade: C-  
OR PSYC 204 Minimum Grade: T )  
AND ( PSYC 205 Minimum Grade: T  
AND PSYC 205 Minimum Grade: C- )  
AND ( PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: T )

### **PSYC 365 - Psychology of Sport**

Credit Hours: 3.000

The purpose of this course is to provide students with an understanding of sport psychology from different theoretical perspectives. This course will include elements of experimental psychology such as motivational issues, cognitive components, personality, and learning which are also apparent in sport psychology. In this broadly oriented course, practical implications that might be useful to today's athletes

participating at different levels of competition will be examined.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
AND PSYC 204 Minimum Grade: C-  
AND PSYC 205 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C- )  
OR ( PSYC 101 Minimum Grade: T  
AND PSYC 204 Minimum Grade: T  
AND PSYC 205 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T )

### **PSYC 375 - Human Sexuality**

Credit Hours: 3.000

In this multidisciplinary course, students will be introduced to the physiological, medical, sociological, psychological, legal, ethical, moral, and educational facets of human sexuality. Topics in this course include male and female sexual anatomy and sexual response, contraception and disease control, sexually transmitted diseases, and sexual orientation.

Prerequisites:

PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T

### **PSYC 379 - Special Topics**

Credit Hours: 0.500 TO 6.000

Offered periodically to meet student special interests in the field.

### **PSYC 380 - Health Psychology**

Credit Hours: 3.000

Health Psychology examines the psychosocial factors relevant to health. The course emphasis will be on the contribution of psychological theory to the encouragement of health and wellness and prevention of physical illness. Topics include stress management, health and behavior, chronic and life threatening illness, treatment, and evaluation of health-related research.

PSYC 211 recommended.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T )  
AND ( PSYC 205 Minimum Grade: C-  
OR PSYC 205 Minimum Grade: T )

### **PSYC 384 - Forensic Psychology**

Credit Hours: 3.000

This course focuses upon the application and practice of psychology in both the civil and criminal justice systems with the following topics examined in depth: police and investigative psychology, family forensic psychology, psychology of crime and delinquency, victimology and victim services, legal psychology, expert witness testimony, consulting psychology, correctional psychology, and the ethical guidelines of the professional forensic psychologist.

Prerequisites:

( PSYC 101 Minimum Grade: C-

OR PSYC 101 Minimum Grade: T )  
AND ( PSYC 204 Minimum Grade: C-  
OR PSYC 204 Minimum Grade: T  
OR PSYC 205 Minimum Grade: C-  
OR PSYC 205 Minimum Grade: T )  
AND ( PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: T )  
AND ( PSYC 355 Minimum Grade: C-  
OR PSYC 355 Minimum Grade: T  
OR SOC 455 Minimum Grade: C-  
OR SOC 455 Minimum Grade: T )

### **PSYC 386 - Theory and Practice**

Credit Hours: 3.000

This course presents the historical underpinnings of the major theories and principles of learning, and how they are used in applied settings. Classic learning theories are contrasted with contemporary approaches. Students will learn cognitive behavioral assessment and intervention strategies. Topics include traditional behavior modification, as well as contemporary social learning theory and cognitive-behavioral change strategies.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T )

### **PSYC 387 - Adulthood and Aging**

Credit Hours: 3.000

This course will take the psychological, biological, and sociocultural approaches to adult development and aging. Topics will include successful aging, identity development, relationships, memory and cognition, physical aging, retirement, illness, and dying.

Prerequisites:

( PSYC 204 Minimum Grade: C-  
AND PSYC 205 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C-  
AND PSYC 245 Minimum Grade: C- )  
OR ( PSYC 204 Minimum Grade: T  
AND PSYC 205 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 245 Minimum Grade: T )

### **PSYC 392 - Workshops**

Credit Hours: 0.500 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **PSYC 399 - Independent Study**

Credit Hours: 1.000 TO 3.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

### **PSYC 410 - Social Psychology**

Credit Hours: 3.000

This course will examine how social processes impact thoughts, feelings, and behavior through the survey of theory and research. Topics will include attraction, aggression, helping, obedience, attitudes, and prejudice.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 106 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T  
OR PSYC 106 Minimum Grade: C-  
OR PSYC 106 Minimum Grade: T )  
AND ( PSYC 204 Minimum Grade: C-  
OR PSYC 204 Minimum Grade: C-  
OR PSYC 204 Minimum Grade: T )  
AND ( PSYC 205 Minimum Grade: C-  
OR PSYC 205 Minimum Grade: C-  
OR PSYC 205 Minimum Grade: T )  
AND ( PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: T )  
AND ( PSYC 355 Minimum Grade: C-  
OR PSYC 355 Minimum Grade: C-  
OR PSYC 355 Minimum Grade: T )

### **PSYC 414 - Cognitive Psychology**

Credit Hours: 3.000

This course presents the scientific study of the basic phenomena, concepts, and processes and neurology involved in perception, attention, memory, and higher cognitive functions. Cognitive theory and research methods are used in interpreting cognitive phenomena.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: C-  
OR PSYC 106 Minimum Grade: C-  
OR PSYC 106 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T  
OR PSYC 106 Minimum Grade: T )  
AND ( PSYC 211 Minimum Grade: T  
OR PSYC 211 Minimum Grade: C-  
OR PSYC 211 Minimum Grade: C- )  
AND ( PSYC 245 Minimum Grade: C-  
OR PSYC 245 Minimum Grade: C-  
OR PSYC 245 Minimum Grade: T )  
AND ( PSYC 355 Minimum Grade: C-  
OR PSYC 355 Minimum Grade: C-  
OR PSYC 355 Minimum Grade: T )

### **PSYC 416 - Biological Psychology**

Credit Hours: 3.000

This course provides a more thorough examination of the biological basis of human behavior. The biological mechanisms of behavior are emphasized as well as the evolution, genetics, and adaptiveness of behavioral processes. The impact on society of recent developments in neuroscience is also examined.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
OR PSYC 101 Minimum Grade: T  
OR PSYC 101 Minimum Grade: C-  
OR PSYC 106 Minimum Grade: C-

OR PSYC 106 Minimum Grade: T  
OR PSYC 106 Minimum Grade: C- )  
AND ( PSYC 211 Minimum Grade: T  
OR PSYC 211 Minimum Grade: C- )  
OR PSYC 211 Minimum Grade: C- )  
AND ( PSYC 245 Minimum Grade: C- )  
OR PSYC 245 Minimum Grade: T  
OR PSYC 245 Minimum Grade: C- )  
AND ( PSYC 355 Minimum Grade: C- )  
OR PSYC 355 Minimum Grade: T  
OR PSYC 355 Minimum Grade: C- )

**PSYC 455 - Evolutionary Psychology**

Credit Hours: 3.000

This course provides students with a detailed and thorough examination of the impact of evolution on human behavior and mental processes. An emphasis using animal behavior and evolutionary processes as a model for understanding human behavior will be utilized. Students will also be exposed to a variety of topics including, the importance of science, the evidence for evolution, selective breeding, genetic and ecological contributions to behavior, the biological constraints on learning, the development of higher mental processes, complex social behavior, and sex differences in mating behavior and cognition.

Prerequisites:

( PSYC 101 Minimum Grade: C- )  
OR PSYC 101 Minimum Grade: T )  
AND ( PSYC 211 Minimum Grade: C- )  
OR PSYC 211 Minimum Grade: T )  
AND ( PSYC 245 Minimum Grade: C- )  
OR PSYC 245 Minimum Grade: T )  
AND ( PSYC 355 Minimum Grade: C- )  
OR PSYC 355 Minimum Grade: T )

**PSYC 458 - Sensation and Perception**

Credit Hours: 3.000

This course examines the physiological and behavioral components of basic sensory processes and the role they play in perception. These sensory systems include vision, audition, the somatic senses (i.e., touch, temperature, and pain) and the chemical senses (i.e., taste and smell). The development and clinical aspects of these sensory systems are also studied. Sample topics include receptors and neural processing, color perception, depth and size perception, perception of movement, speech perception, and the perception of pitch.

Prerequisites:

( PSYC 101 Minimum Grade: C- )  
OR PSYC 101 Minimum Grade: T  
OR PSYC 101 Minimum Grade: C- )  
OR PSYC 106 Minimum Grade: C- )  
OR PSYC 106 Minimum Grade: T  
OR PSYC 106 Minimum Grade: C- )  
AND ( PSYC 211 Minimum Grade: T

OR PSYC 211 Minimum Grade: C- )  
OR PSYC 211 Minimum Grade: C- )  
AND ( PSYC 245 Minimum Grade: C- )  
OR PSYC 245 Minimum Grade: T  
OR PSYC 245 Minimum Grade: C- )  
AND ( PSYC 355 Minimum Grade: T )  
OR PSYC 355 Minimum Grade: C- )  
OR PSYC 355 Minimum Grade: C- )

**PSYC 468 - History and Systems of Psych**

Credit Hours: 3.000

The goals of this course are to examine the origins of modern psychology and to explore how many of psychology's modern concerns are manifestations of continuing issues that have been part of Western psychology for hundreds of years. Course topics include the development of modern science and experimentalism, Darwinian influences, functionalism, behaviorism, cognitivism, the psychoanalytic tradition, humanism, and psychobiology.

Prerequisites:

( PSYC 101 Minimum Grade: C- )  
OR PSYC 101 Minimum Grade: T  
OR PSYC 101 Minimum Grade: C- )  
OR PSYC 106 Minimum Grade: C- )  
OR PSYC 106 Minimum Grade: T  
OR PSYC 106 Minimum Grade: C- )  
AND ( PSYC 204 Minimum Grade: T )  
OR PSYC 204 Minimum Grade: C- )  
OR PSYC 204 Minimum Grade: C- )  
AND ( PSYC 205 Minimum Grade: T )  
OR PSYC 205 Minimum Grade: C- )  
OR PSYC 205 Minimum Grade: C- )  
AND ( PSYC 211 Minimum Grade: T )  
OR PSYC 211 Minimum Grade: C- )  
OR PSYC 211 Minimum Grade: C- )

**PSYC 479 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interests in the field.

**PSYC 480 - Honors Seminar in Psychology**

Credit Hours: 3.000

This course allows exceptional students in psychology to conduct research with a faculty member. Arrangements and approval by a faculty member are required for enrollment in this course.

Prerequisites:

( PSYC 101 Minimum Grade: C- )  
AND PSYC 211 Minimum Grade: C- )  
AND PSYC 355 Minimum Grade: C- )  
OR ( PSYC 101 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 355 Minimum Grade: T )

**PSYC 481 - Honors Seminar in Psychology**

Credit Hours: 3.000

This course allows exceptional students in psychology to conduct research with a faculty member. Arrangements and approval by a faculty member are required for enrollment in this course.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C-  
AND PSYC 355 Minimum Grade: C- )  
OR ( PSYC 101 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 355 Minimum Grade: T )

#### **PSYC 492 - Workshops**

Credit Hours: 0.500 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **PSYC 493 - Honors Thesis in Psychology**

Credit Hours: 3.000

Exceptional students will conduct the completion of an Honors Thesis under the guidance of a faculty member of the Psychology Department. Students will complete a written thesis proposal, research, written final draft of thesis, and an oral defense. By faculty permission and approval of department chair only.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C-  
AND PSYC 355 Minimum Grade: C- )  
OR ( PSYC 101 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 355 Minimum Grade: T )

#### **PSYC 494 - Honors Thesis in Psychology II**

Credit Hours: 3.000

Exceptional students will conduct the completion of an Honors Thesis under the guidance of a faculty member of the Psychology Department. Students will complete a written thesis proposal, research, written final draft of thesis, and an oral defense. By faculty permission and approval of department chair only.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C-  
AND PSYC 355 Minimum Grade: C-  
AND PSYC 493 Minimum Grade: C- )  
OR ( PSYC 101 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 355 Minimum Grade: T  
AND PSYC 493 Minimum Grade: T )

#### **PSYC 495 - Independent Research**

Credit Hours: 3.000

Exceptional students will conduct independent research or a project under the guidance of a faculty member.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C-  
AND PSYC 355 Minimum Grade: C- )

OR ( PSYC 101 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 355 Minimum Grade: T )

#### **PSYC 496 - Capstone: Internship in PSYC**

Credit Hours: 1.000 TO 15.000

Senior psychology majors will gain applied experience in psychology by volunteering for a service organization.

Prerequisites:

( PSYC 101 Minimum Grade: C-  
AND PSYC 204 Minimum Grade: C-  
AND PSYC 205 Minimum Grade: C-  
AND PSYC 211 Minimum Grade: C-  
AND PSYC 330 Minimum Grade: C-  
AND PSYC 355 Minimum Grade: C- )  
OR ( PSYC 101 Minimum Grade: T  
AND PSYC 204 Minimum Grade: T  
AND PSYC 205 Minimum Grade: T  
AND PSYC 211 Minimum Grade: T  
AND PSYC 330 Minimum Grade: T  
AND PSYC 355 Minimum Grade: T )

#### **PSYC 499 - Independent Study**

Credit Hours: 1.000 TO 4.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

#### **PSYC 592 - Workshops**

Credit Hours: 0.500 TO 3.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

#### **READ 060 - College Prep Reading I**

Credit Hours: 4.000

READ 060 enables the student to apply strategies for improving comprehension, developing vocabulary, and increasing rate for reading college textbooks.

Prerequisites:

ACRD - Minimum Score: 025

#### **READ 090 - College Preparatory Reading II**

Credit Hours: 4.000

READ 090 enables the student to apply strategies for improving comprehension, developing vocabulary, and increasing rate for reading college textbooks.

Prerequisites:

ACRD - Minimum Score: 055

#### **SCED 510 - Biological/Physical Research**

Credit Hours: 3.000

An exploration of the effects of space conditions on the human body, including immunology, neurology, cardiology, and the musculo-skeletal system. The course also presents the role of the International Space Station in advancing knowledge about humans in space as well as space biology and agriculture.

#### **SCED 515 - Meteorology and Space Weather**

Credit Hours: 3.000

This course incorporate principles of meteorology as they apply to Earth's weather patterns and systems with the emerging field of space weather and how the sun, radiation, magnetic fields and other factors affect the earth's atmosphere and weather.

**SCED 520 - Classroom Astronomy Principles**

Credit Hours: 3.000

This course takes principles of astronomy, such as orbital mechanics, and applies them across K-12 subjects (language arts, math, science, social studies) to help students develop accurate conceptual understandings about how the solar system works.

**SCED 525 - Earth Systems Science**

Credit Hours: 3.000

This course explores the various forces that continue to shape our planet. Geologic history is used to understand such processes as erosion, deposition, global warming, and more.

**SCED 531 - Life&Marine Sci/Track Animals**

Credit Hours: 3.000

Life with Marine Science: Tracking Live Marine Animals provides teachers with the content and resources to follow marine animals like sea turtles, seals, and polar bears with students where they apply life science and earth science topics in the context of the ocean. Teachers learn how students can become bathymetry, chlorophyll, and sea surface experts through scaffolded standards-based lessons. Interpretation of animal migration patterns and ocean parameter data put science, math, engineering, and technology content in an engaging and meaningful context.

Prerequisites:

SCED 548 Minimum Grade: B

OR SCED 548 Minimum Grade: B

OR SCED 549 Minimum Grade: B

OR SCED 549 Minimum Grade: B

**SCED 544 - Action Research in STEM Clasrm**

Credit Hours: 3.000

In this Action Research course educators will continue engaging in the action research process which involves collecting and analyzing data, reporting the results, and taking informed action. Educators will continue to reflect on and define their purpose for action research which may include building the reflective practitioner, making progress on school-wide priorities, and building professional cultures. While planning and conducting action research, educators will respect the ethical obligations that educational researchers have and adhere to the codes and procedures involved.

Prerequisites:

( SCED 548 Minimum Grade: B

OR SCED 548 Minimum Grade: B

OR SCED 549 Minimum Grade: B

OR SCED 549 Minimum Grade: B )

AND ( ED 643 Minimum Grade: B )

**SCED 548 - Methods of STEM Educ-Elementry**

Credit Hours: 3.000

Engage your elementary students in hands on activities, investigations, data analysis and productive science talk using practices and resources shared in this course. Consider innovative lesson planning strategies for teaching, learning and assessing integrated STEM. Participants gain knowledge of STEM resources and meaningful activities to integrate science and math concepts in exciting contexts, like engineering, coding and NASA exploration. Explore the synergies between Common Core State Standards and Next Generation Science Standards for a productive and exciting learning environment that prepares students for ongoing interest in STEM. Methods of STEM serves as a foundation for additional courses in the Endeavor program.

**SCED 549 - Methods of STEM Educ-Secondary**

Credit Hours: 3.000

Middle and High School students are capable of learning STEM content at a deep level of understanding when innovative classroom practices are put to use. Teachers learn to apply research-based practices and philosophies valued in NGSS-based classrooms. Gain resources for analyzing authentic data, planning student-centered lessons, considering cultural relevance in teaching and developing meaningful assessments for STEM activities. Identify how to integrate engineering design into your STEM classroom and learn how to properly represent the Nature of Science as students develop in their understanding and apply critical thinking to their real-world decisions. This foundations course is the basis for Endeavor's electives, where concepts are explored further.

**SCED 550 - Arts in STEM/Adv Mngfl Intgrtn**

Credit Hours: 3.000

At the core of the STEM Education movement is critical thinking, creativity, problem solving and authentic learning environments that engage diverse students in meaningful ways with content. The many mediums for art and artistic expression are a valuable component of communication and expression. Scientists and researchers at NASA and across the globe use myriad forms of art in their work. This course invites students to take a close look at the incorporation of art in the STEM classroom and provides resources, exemplars and access to collaborative support for arts integration.

Prerequisites:

SCED 548 Minimum Grade: B

OR SCED 548 Minimum Grade: B

OR SCED 549 Minimum Grade: B

OR SCED 549 Minimum Grade: B

**SCED 551 - Chemistry in the STEM Clsrm**

Credit Hours: 3.000

This course spans a 15-week semester with weekly assignments detailed in the syllabus and the Online

Learning Space (OLS). During the 5 weeks when there is a live meeting, participants are required to attend each 1 hour session and complete 2 hours of asynchronous coursework, for a total of 3 hours each week. During the 10 weeks when there is no live, online meeting, participants complete 3 hours of asynchronous coursework as described in the syllabus and OLS.

During the semester, participants are required to complete 45 hours of blended live and asynchronous course work: 40 hours online, in discussion forums with classmates and instructors, reviewing content, materials, and pedagogy required to both meet course objectives and successfully implement units with students and 5 hours in live, online webinar sessions.

Prerequisites:

- SCED 548 Minimum Grade: B
- OR SCED 548 Minimum Grade: B
- OR SCED 549 Minimum Grade: B
- OR SCED 549 Minimum Grade: B

### **SOC 201 - Soc Imagination GT-SS3**

Credit Hours: 3.000

The social world is often taken for granted or reduced to explanations that stem from conventional wisdom and personal experience. This course is designed to encourage students to develop social scientific frameworks for analyzing the social world in a context that transcends conventional wisdom and personal experience. The major question is "what are the social forces, operating in society and often beyond the control of individuals, that shape individual behaviors and societal changes?" Topics include culture, socialization structure, organizational behavior, social groups, deviance, and social institutions (family, religion, education, and political economy).

### **SOC 245 - Criminology**

Credit Hours: 3.000

This course is an introduction to the field of criminology with special emphasis on theories of crime, kinds of criminals, victimology, and the criminal justice system. Special topics examined include gangs, white collar crimes, property crimes, victimless crimes, and organized crime.

Prerequisites:

- ( SOC 201 Minimum Grade: C-
- AND LS 225 Minimum Grade: C- )
- OR ( SOC 201 Minimum Grade: T
- AND LS 225 Minimum Grade: T )

### **SOC 251 - Social Problems**

Credit Hours: 3.000

This course is designed to provide the student with a survey of selected contemporary social problems. Social problems addressed in the class may include poverty, addiction and substance abuse, mental health, violence with a focus on family violence, crime, teen sexuality and pregnancy, and health care issues. The causes,

severity, and consequences of the selected social problems are explored. In addition, strategies for alleviating social problems are presented.

Prerequisites:

- ( SOC 201 Minimum Grade: C-
- OR SOC 201 Minimum Grade: C-
- OR SOC 201 Minimum Grade: T )
- AND ( LS 225 Minimum Grade: C-
- OR LS 225 Minimum Grade: C-
- OR LS 225 Minimum Grade: T )

### **SOC 279 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

Prerequisites:

- SOC 201 Minimum Grade: C-
- OR SOC 201 Minimum Grade: T

### **SOC 300 - Social Statistics**

Credit Hours: 3.000

most commonly used in sociology and the social sciences. These skills will enable the student to read popular applications of statistics in the media with a critical eye; assess the use of statistics in the professional sociological literature; and use statistical techniques to answer the sociological questions of interest. This course is for the incarcerated population, only.

Prerequisites:

- SOC 201 Minimum Grade: C-
- OR SOC 201 Minimum Grade: T
- AND BUS 120 Minimum Grade: C-
- OR BUS 120 Minimum Grade: T
- AND MATH 104 Minimum Grade: C-
- OR MATH 104 Minimum Grade: T
- OR MATH 106 Minimum Grade: C-
- OR MATH 106 Minimum Grade: T
- OR MATH 120 Minimum Grade: C-
- OR MATH 120 Minimum Grade: T
- OR MATH 155 Minimum Grade: C-
- OR MATH 155 Minimum Grade: T
- OR MATH 156 Minimum Grade: C-
- OR MATH 156 Minimum Grade: T

### **SOC 305 - Rural Sociology**

Credit Hours: 3.000

The purpose of this course is to introduce some of the social, political, environmental, and economic problems and prospects associated with rural America. Special attention will also be given rural community services and social institutions, with some focus on the San Luis Valley and other parts of rural Colorado.

Prerequisites:

- SOC 201 Minimum Grade: C-
- AND SOC 201 Minimum Grade: T

### **SOC 311 - Social Statistics**

Credit Hours: 4.000

This course presents a general overview of the statistical methods most commonly used in sociology and the social sciences. As a laboratory component, students will become proficient in SPSS, a computer program designed to aid statistical analysis. These skills will enable the student to read popular applications of statistics in the media with a critical eye; assess the use of statistics in the professional sociological literature; and use statistical tools to answer the sociological questions of interest.

**Prerequisites:**

( SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T )  
AND ( BUS 120 Minimum Grade: C-  
OR BUS 120 Minimum Grade: T )  
AND ( ( MATH 104 Minimum Grade: C-  
OR MATH 104 Minimum Grade: T )  
OR ( MATH 106 Minimum Grade: C-  
OR MATH 106 Minimum Grade: T )  
OR ( MATH 120 Minimum Grade: C-  
OR MATH 120 Minimum Grade: T )  
OR ( MATH 155 Minimum Grade: C-  
OR MATH 155 Minimum Grade: T )  
OR ( MATH 156 Minimum Grade: C-  
OR MATH 156 Minimum Grade: T )  
)

**SOC 315 - Sociology of Education**

Credit Hours: 3.000

This course explores the relationship between education and society with special emphasis on the effects of this relationship on the lives of students in the American education system.

**Prerequisites:**

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T

**SOC 318 - Race, Class, and Gender**

Credit Hours: 3.000

The focus of this course is on the interrelated ascribed statuses of "race," social class, gender, and sexual orientation in American society, how they are perceived and reinforced, the social tensions that result and the dynamics of change.

**Prerequisites:**

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

**SOC 320 - Marriages and Families**

Credit Hours: 3.000

This course will provide an overview of the family from a sociological perspective. The family is considered to be one of the most private and pervasive institutions in society. All of us have had contact with at least one family, and many of us will be involved in several different families during our lifetime. Our experiences point to the numerous transformations in family life. To

obtain a better understanding of these changes, recent sociological research and data on the family will be utilized in this course. In addition to examining the history of the family, the course will study the contemporary family and its diversity. The course will examine traditional marriage/family arrangements and alternative processes of mate selection and family formation. Finally, the course will examine parenting, the relationship between work and family, divorce and reconstituted families.

**Prerequisites:**

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

**SOC 340 - Readings in Sociology**

Credit Hours: 2.000

This course is designed to help students synthesize their knowledge of sociology from a broad range of content areas by reading major works in the field. Students will be exposed to major theoretical pieces, pivotal research in the discipline, and central pieces of writing that have shaped Sociology. The course will also focus on Sociology in mainstream society by reading popular pieces in the press that are written by, about and for Sociologists. The major objectives are to increase students' ability to read, understand, and critically analyze writings of Sociology. Goals also include getting students to bring together all core contents of Sociology in a single course for synthesis and critical thinking in a seminar format.

**Prerequisites:**

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T

**SOC 346 - Criminal Justice**

Credit Hours: 3.000

The focus of this course is on the organizational structures and social processes of the American criminal justice system. It will examine, in particular, the law enforcement and judicial systems.

**Prerequisites:**

( SOC 201 Minimum Grade: C-  
AND SOC 245 Minimum Grade: C- )  
OR ( SOC 201 Minimum Grade: T  
AND SOC 245 Minimum Grade: T )  
OR ( SOC 201 Minimum Grade: C-  
AND SOC 245 Minimum Grade: C- )

**SOC 347 - Juvenile Delinquency**

Credit Hours: 3.000

This course describes the nature of delinquency, including the trends, characteristics, and causes of juvenile delinquency. In addition, the course will examine theories of delinquency, social influences on delinquency, historical and contemporary overviews of the juvenile justice system, and the juvenile justice process from police involvement to the court system and



corrections. Finally, methods of treatment and prevention will be identified.

Prerequisites:

( SOC 201 Minimum Grade: C-  
AND SOC 245 Minimum Grade: C- )  
OR ( SOC 201 Minimum Grade: T  
AND SOC 245 Minimum Grade: T )

### **SOC 352 - Social Work Practices**

Credit Hours: 3.000

This course is an introduction to the nuts-and-bolts of social work practice. The course is designed with several general objectives in mind: (1) to familiarize the student with specific techniques of social work such as the person-in-environment approach and case management, (2) to provide a fundamental understanding of roles of community and family in social work practice, (3) to explore the needs of selected special populations in the community, (4) to identify the biological, psychological, and social influences on development and behavior across the life cycle, and (5) to introduce the student to fundamental social work practice skills.

Prerequisites:

( SOC 201 Minimum Grade: C-  
AND SOC 251 Minimum Grade: C- )  
OR ( SOC 201 Minimum Grade: T  
AND SOC 251 Minimum Grade: T )

### **SOC 365 - Race, Culture, and Ethnicity**

Credit Hours: 3.000

This course provides a sociological approach to minority and ethnic relations that will help you to understand the relevance of race and culture in society today. This course introduces the basic theories related to the study of race and ethnic relations, the histories and present status of different racial and ethnic groups in the United States and raises questions about continuing prejudice and racism in our society. Issues of immigration, cultural assimilation, cultural identity, multiracial consciousness, segregation, civil rights, and affirmative action are also explored.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

### **SOC 370 - Poverty and Wealth**

Credit Hours: 3.000

This course examines the historical and socio-cultural factors which influence the creation and maintenance of poverty and wealth. Emphasis will be on structural factors and theoretical explanations of poverty and inequality. This course will also focus on the implications for policy and social programs aimed at poverty and other social class issues. In addition, there will be exploration of systems of power, privilege, and domination that are central to the American social structure. Finally, the issues of empowerment,

resistance, and solutions to social inequality will be assessed.

Prerequisites:

( SOC 201 Minimum Grade: C-  
AND SOC 251 Minimum Grade: C- )  
OR ( SOC 201 Minimum Grade: T  
AND SOC 251 Minimum Grade: T )

### **SOC 379 - Special Topics**

Credit Hours: 0.500 TO 5.000

Offered periodically to meet student special interests in the field.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T

### **SOC 380 - Family Violence**

Credit Hours: 3.000

This course examines violence in the family from sociological and criminological perspectives. It includes the types and causes of violence in families and domestic units, especially those directed against women and children (woman battering, courtship and dating conflict, and child abuse). Throughout the various types of family violence, intervention and prevention measures are examined as well as the social and legal implications of these measures.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

### **SOC 381 - Drug Abuse and Society**

Credit Hours: 3.000

This course focuses on the context and correlation of drug use, relationship with crime and delinquency, and societal reaction to drug abuse. Also discussed is the study of sociological and social psychological explanations of drug-using behaviors and of legal and medical control of drugs. Finally, topics include changes in the legal status of drugs, cross-cultural and historical variations in the control of drugs, and social epidemiology of drug use in contemporary society will be examined.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-

### **SOC 395 - Pre-Professional Seminar**

Credit Hours: 2.000

This course provides an introduction to the profession of sociology and the various career options available to graduates. Occupational and graduate school options are explored in detail through library research, presentations, observational and volunteer experiences, and informational interviews. Skills for job interviewing, resume development, and professional correspondence are explored.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

**SOC 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

**SOC 401 - Social Psychology**

Credit Hours: 3.000

This course will look at Social Psychology from a sociological perspective. It will consider (1) social experience gained from the individuals' participation in social groups; (2) interactions with others; (3) the effects of the cultural environment on both social experience and interactions with others; and (4) the emergence of social structure from these interactions.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

OR SOC 201 Minimum Grade: C-

**SOC 407 - Demography**

Credit Hours: 3.000

This course examines the size, distribution, and composition of populations. It focuses on causes and implication of shifts in age, fertility, morality, and migration patterns within the United States and other countries.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

**SOC 419 - Gender and Society**

Credit Hours: 3.000

The aim of the course is for students to become familiar with the continuing differences and inequalities between women and men in the contemporary United States, and to begin to explain why and how they occur.

Understanding gender as it relates to race, class and sexual orientation is an important organizing framework of the course. The gendered arrangements in a variety of social contexts such as the schools, the media, the family, the economy, religion and health are studied.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

OR SOC 201 Minimum Grade: C-

**SOC 425 - Environment and Society**

Credit Hours: 3.000

The primary objective of this course is to look at the ways in which human societies - their values, behaviors, traditions, beliefs, institutions, and governments - relate to and impact the physical environment. Topics explored

include: environmental movements, globalization environmental management, and government and economic policies.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

**SOC 444 - Deviance and Control**

Credit Hours: 3.000

The sociology of deviance and control examines the nature of rule-making and rule-breaking in modern societies. The course includes theoretical considerations of the causes and consequences of deviance.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

**SOC 445 - Sociological Theory**

Credit Hours: 3.000

The major theories of society are covered in their classical and contemporary forms.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

OR SOC 201 Minimum Grade: C-

**SOC 447 - Correctional Systems**

Credit Hours: 3.000

This course will focus on corrections as one of the components of the American criminal justice system and its operation within a democratic form of government. The philosophical and historical underpinnings of punishment and correction will be analyzed and compared (e.g., punishment vs. rehabilitation).

Prerequisites:

( SOC 346 Minimum Grade: C-

AND SOC 201 Minimum Grade: C- )

OR ( SOC 346 Minimum Grade: T

AND SOC 201 Minimum Grade: T )

OR ( SOC 201 Minimum Grade: C-

AND SOC 346 Minimum Grade: C- )

**SOC 454 - Sociological Research Methods**

Credit Hours: 3.000

This course is designed to expose students to a variety of research methods. Students will be instructed in the fundamentals of research design and implementation, including ethical considerations. Students will read and study the research projects of selected sociologists. This course is for the incarcerated population, only.

Prerequisites:

SOC 201 Minimum Grade: C-

OR SOC 201 Minimum Grade: T

AND SOC 300 Minimum Grade: C-

OR SOC 300 Minimum Grade: T

**SOC 455 - Sociological Research Methods**

Credit Hours: 4.000

This course is designed to expose students to a variety of research methods. Students will be instructed in the

fundamentals of research design and implementation, including ethical considerations. Students will read and study the research projects of selected sociologists. Then students will engage in projects to practice research methods. Students will design a research project. In the lab component of the course, students will analyze and interpret sociological statistical data using the Statistical Package for the Social Sciences (SPSS), a computer program designed to aid statistical analysis. Finally, students will use the statistical program to analyze the data of their research project and write a final project report.

Prerequisites:

( SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T )  
AND ( SOC 311 Minimum Grade: C-  
OR SOC 311 Minimum Grade: T )  
AND ( LS 225 Minimum Grade: C-  
OR LS 225 Minimum Grade: T )

### **SOC 470 - Social and Public Programs**

Credit Hours: 3.000

This course analyzes the historical development, current content, and adequacy of social welfare policies in the United States. Specific policy areas to be discussed include income maintenance (including social insurance and public assistance), mental health, health care, and aging.

Prerequisites:

SOC 352 Minimum Grade: C-  
OR SOC 352 Minimum Grade: T

### **SOC 479 - Special Topics**

Credit Hours: 1.000 TO 5.000

Offered periodically to meet student special interests in the field.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T

### **SOC 492 - Workshops**

Credit Hours: 0.500 TO 5.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T  
OR SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T

### **SOC 493 - Internship in Social Work**

Credit Hours: 3.000 TO 6.000

Students in the Social Work emphasis are placed with a human service agency in the community. One hundred and twenty volunteer hours of service with the agency are required. The student is supervised by both a Sociology faculty member and a representative from the human service agency. Instructor approval required for registration purposes.

Prerequisites:

( SOC 201 Minimum Grade: C-  
AND SOC 352 Minimum Grade: C-  
AND SOC 370 Minimum Grade: C-  
AND SOC 470 Minimum Grade: C- )  
OR ( SOC 201 Minimum Grade: T  
AND SOC 352 Minimum Grade: T  
AND SOC 370 Minimum Grade: T  
AND SOC 470 Minimum Grade: T )

### **SOC 494 - Internship in Criminology**

Credit Hours: 3.000 TO 6.000

The student is placed in a supervised internship with a criminal justice-related agency in the community. The student will contribute time and effort in return for practical experience. Agencies available for placement include adult or juvenile probation and diversion, domestic violence, law enforcement, juvenile and adult corrections, district attorney, and public defender. This course requires instructor approval for registration purposes.

Prerequisites:

( SOC 201 Minimum Grade: C-  
AND SOC 346 Minimum Grade: C-  
AND SOC 347 Minimum Grade: C-  
AND SOC 447 Minimum Grade: C- )  
OR ( SOC 201 Minimum Grade: T  
AND SOC 346 Minimum Grade: T  
AND SOC 347 Minimum Grade: T  
AND SOC 447 Minimum Grade: T )

### **SOC 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites:

SOC 201 Minimum Grade: C-  
OR SOC 201 Minimum Grade: T

### **SOC 518 - Race, Class, and Gender**

Credit Hours: 3.000

The focus of this course is on the interrelated, ascribed statuses of "race," social class, gender, and sexual orientation in American society, how they are perceived and reinforced, the social tensions that result, and the dynamics of change.

### **SOC 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

### **SOC 592 - Workshops**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

### **SOC 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**SPAN 103 - Elementary Spanish I**

Credit Hours: 4.000

A study of the principles of pronunciation, basic level conversation, essentials of grammar, written composition, and reading of materials of graded difficulty.

**SPAN 104 - Elementary Spanish II**

Credit Hours: 4.000

A continuation of Span 103. Covers the principles of pronunciation, conversation, essentials of grammar, written composition, and reading of materials of graded difficulty.

Prerequisites:

SPAN 103 Minimum Grade: C-

OR SPAN 103 Minimum Grade: T

**SPAN 179 - Special Topics**

Credit Hours: 1.000 TO 8.000

Offered periodically to meet student special interests in the field.

**SPAN 192 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 199 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 201 - Pronunciation and Conversation**

Credit Hours: 2.000

Instruction and practice in the basic pronunciation of the Spanish sound system. Special attention and practice will be devoted to the most difficult combinations of phonemes and morphemes of Spanish for the non-native speaker. Some practice is also devoted to a basic level of Spanish conversation.

Prerequisites:

SPAN 103 Minimum Grade: C-

OR SPAN 103 Minimum Grade: T

**SPAN 203 - Intermediate Spanish I**

Credit Hours: 3.000

Review of grammar, written composition, and translation. Special attention to vocabulary building. Emphasis on understanding and speaking Spanish.

Prerequisites:

SPAN 104 Minimum Grade: C-

OR SPAN 104 Minimum Grade: T

**SPAN 204 - Reading & Conversation**

Credit Hours: 3.000

Readings on cultural topics, discussions, speaking activities, review of some grammatical features,

attention to vocabulary building. Emphasis on understanding and speaking Spanish.

Prerequisites:

SPAN 203 Minimum Grade: C-

OR SPAN 203 Minimum Grade: T

**SPAN 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**SPAN 292 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 299 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 310 - Southwest Spanish**

Credit Hours: 3.000

A study of characteristics of oral Southwest Spanish. The course will explore the historical origins of Spanish in the Southwest including the conquest and colonization by the Spanish, the signing of the Treaty of Guadalupe Hildago, and the settlement of the San Luis Valley. Issues related to bilingualism, Spanish/English contact, and attitudes toward and effects of the maintenance and loss of Spanish will be examined.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 313 - Conversation and Composition**

Credit Hours: 3.000

This course provides instruction in the development of advanced level conversation and writing skills (spelling, paragraphs, summaries, letters, reports, etc.) in Spanish. The student will acquire the useful everyday skills needed to communicate in Spanish correctly.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 315 - Spanish for Business**

Credit Hours: 3.000

Instruction in the specific vocabulary, grammatical structures, and cultural insights needed to effectively deal with the common everyday business interactions between the Spanish-speaking client and English-speaking business community.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 316 - Spanish for Health Professions**

Credit Hours: 3.000

Instruction in the special vocabulary, grammatical structures and cultural understanding needed to deal

effectively with the Spanish speaking patient/health professional interactions. The student will learn to interact in Spanish with a variety of simulated common everyday patient/health personnel situations.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 317 - Spanish for Translation**

Credit Hours: 3.000

Instruction in the specific vocabulary, grammatical structures, and cultural insights needed to effectively deal with the non-technical general translations from English/Spanish or Spanish/English. Although the student will learn that there are various approaches used in the translation of texts, this course emphasizes the translation of the underlying message and its meaning based on the cultural context.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 325 - Spanish Civ & Culture**

Credit Hours: 3.000

Instruction on selected themes taken from the historical legacy and cultural institutions of the Spanish people. The cultural topics include reading on: the Roman legacy, the church, the Moors, the great writers of the Golden Age, the great Spanish monarchs, Franco, etc. The selected themes will determine the supplemental readings that are selected in depth discussion and study.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 326 - Latin American Civ & Culture**

Credit Hours: 3.000

Instruction on selected themes taken from the historical and literary legacy of the Spanish people. The literary topics include reading about Spanish heroism, medieval Spanish beliefs, Spanish imperialism, Spanish-Indian relations, Great Spanish explorers, etc. The selected themes will determine the reading that are selected for in depth discussion and study.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 340 - Topics in Spanish Literature**

Credit Hours: 3.000

Instruction on selected themes taken from the historical and literary legacy of the Spanish people. The literary topics include reading about Spanish heroism, medieval Spanish beliefs, Spanish imperialism, Spanish-Indian relations, Great Spanish explorers, etc. The selected themes will determine the reading that are selected for in depth discussion and study.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 341 - Topics in Latin Am Literature**

Credit Hours: 3.000

Instruction on selected themes taken from the historical and literacy of the Latin American people. The literary topics include reading on: the Spanish conquest, the Indian, independence, social protest, women, religious faith, etc. The selected themes will determine the readings that are selected for in depth discussion and study.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 350 - Advanced Grammar & Comp**

Credit Hours: 3.000

Intensive course in grammar and in the writing composition of the language. Advanced grammar principles, translation from English to Spanish and other language refinements.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**SPAN 392 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 395 - Spanish Phonetics--Lang Hist**

Credit Hours: 3.000

Introduction to the study of the Spanish sound system including a brief background of the history and development of the Spanish language as well as some discussion of dialectal differences across the globe. Designed for those planning to teach Spanish including pedagogical concepts that can be applied in the classroom to aid students in the improvement of their Spanish pronunciation. Examine English/Spanish contrasts and includes exercises in written transcription, oral productions, and an analysis of spoken Spanish.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 396 - Methods Teaching Foreign Lang**

Credit Hours: 3.000

A study of effective teaching methods and the development of a contextualized approach to language instruction that is based on meaningful language use, real-world communication, and interaction among learners. Emphasis will be placed on the National Standards for Foreign Language Learning and the American Council on the Teaching of Foreign Languages (ACTFL) proficiency guidelines.

Prerequisites:

TEPP - Minimum Score: 1

**SPAN 399 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 400 - Masterpieces of Spanish Lit**

Credit Hours: 3.000

This is a senior level course that provides an in-depth study of selected complete works of Spanish literary masterpieces. Five complete literary masterpiece works by Spanish writers will be selected for an in-depth study. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 401 - Masterpieces of Latin Am Lit**

Credit Hours: 3.000

This is a senior level course that provides an in-depth study of selected complete works of Latin American literary masterpieces. Five complete literary masterpiece works by Latin American writers will be selected for an in-depth study. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 411 - Contemporary Spanish Lit**

Credit Hours: 3.000

This is a senior-level course that provides an in-depth study of selected complete works of contemporary Spanish literary works. Five complete literary works by Spanish writers will be selected for an in-depth study.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 412 - Contemp Latin American Lit**

Credit Hours: 3.000

This is a senior-level course that provides an in-depth study of selected complete works of contemporary Latin American literary works. Five complete literary works by contemporary Latin American writers will be selected for an in-depth study. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 413 - La Literatura Indigenista**

Credit Hours: 3.000

Study of the major themes and characteristics surrounding the social condition and plight of the Indian as portrayed in the major Latin American indigenous

novels. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 414 - Spanish American Thought**

Credit Hours: 3.000

Study of the major themes, ideas, and perspectives of major Latin American writers. The selected readings include interpretive essays, literary narratives, and philosophical works by such writers as: Samiento, Andres Bello, Juan Montalvo, Jose Marti, Octavio Paz, Jose Vasconcelos, Leopold Zea, and others. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 415 - Cervantes/El Quijote**

Credit Hours: 3.000

A study of the life and important works of Cervantes with special emphasis on the Quijote. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 416 - La Novela/Revolucion Mexicana**

Credit Hours: 3.000

Analysis of the most important novelists of the Mexican Revolution and their impact upon the present day political, social, and economic structure of Mexico. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 419 - Golden Age Drama**

Credit Hours: 3.000

A study of the themes, forms and development of Spanish National Theatre of the 16th and 17th Centuries. This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 423 - Modern Hispanic Short Story**

Credit Hours: 3.000

This course requires instructor approval for registration purposes.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 425 - Hispanic Poetry**

Credit Hours: 3.000

A course designed to analyze the techniques, styles, etc. of selected Hispanic poetic collections. Instructor permission may be sought in lieu of prerequisites.

Prerequisites:

SPAN 204 Minimum Grade: C-

OR SPAN 204 Minimum Grade: T

**SPAN 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**SPAN 492 - Workshop**

Credit Hours: 1.000 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 499 - Individual Studies**

Credit Hours: 1.000 TO 15.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**SPAN 592 - Workshop**

Credit Hours: 0.500 TO 6.000

Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**SPCH 100 - Speech Fundamentals**

Credit Hours: 3.000

A course designed to develop proficiency in oral communication: interpersonal, group, and public discourse.

**SPCH 330 - Directing Forensics/Debate**

Credit Hours: 3.000

Methods in coaching and directing Forensics and Debate activities in secondary schools.

**SPED 320 - Cons, Collab, Behav, & Assmt**

Credit Hours: 2.000

Development of effective communication skills, techniques for collaborative problem solving and decision making essential for working regularly with educators, ancillary personnel, parents and students. Coaching in the development and implementation of IEP's, Behavior Improvement Plans and gathering/analysis of needed assessment information to inform special education practices such as Identification and Progress Reporting. Progress Monitoring is also emphasized.

Prerequisites:

ED 220 Minimum Grade: C-

OR ED 220 Minimum Grade: T

**SPED 341 - SPED for the Diverse Student**

Credit Hours: 2.000

This course will focus on first and second language acquisition issues relevant to culturally/linguistically special needs students. Instructional practices for diverse populations based on effective schools research will be highlighted. Legal and legislative factors affecting culturally/linguistically diverse students will be addressed.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 342 - Teaching the SPED Student**

Credit Hours: 3.000

This course is designed to provide students with knowledge of the areas of exceptionalities needed in the special education planning process. The course will include skills necessary in the multidisciplinary process for identifying students' strengths/needs in order to develop and implement Individualized Education and Transition Plans in collaboration with other special education and regular education professionals.

Alternative teaching methods and approaches to instructional materials to ensure student success and achievement will be the focus of the course. As part of this course, a ten hour practicum is required in order for ASU students to gain experience working with students who have exceptionalities in K-12 schools.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 343 - Behavioral Mngmnt & Instruct**

Credit Hours: 3.000

This course is designed to provide students with the background knowledge in behavior management theory, classroom organization and planning required for facilitating student learning and further development of social skills. As part of this course, a ten hour practicum is required in order for ASU students to gain experience working with students who have exceptionalities in K-12 schools.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 344 - Domains of Learning**

Credit Hours: 3.000

This course will survey learning theories relevant to the following domains; cognitive (e.g. brain-based learning), affective, social, psycho-motor and communicative. Learning styles and problem-solving processes will also be addressed in the course. The application of theoretical frameworks to enhance student outcomes will be required.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**SPED 440 - Assessment in SPED**

Credit Hours: 3.000

Students will develop skills for the systematic process of gathering, interpreting, and organizing educationally relevant information based on laws, policies and legal provisions. Emphasis is placed on effective assessment principles and procedures developing both theoretical and practical knowledge for assessment-based, instructional decision making about the provision of special services to exceptional students. A focus will be on collaboration with stakeholders to interpret and apply assessment results for the determination of eligibility for special education services. Valid assessment methods will be utilized in order to limit the misidentification of CLD and CLDE students. As part of this course, a ten hour practicum is required in order for ASU students to gain experience working with students who have exceptionalities in K-12 schools.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 463 - Special Education Law**

Credit Hours: 3.000

The principles of IDEA (Individuals with Disabilities Education Act) revised and implications for educational programming and instruction will be presented. Section 504 requirements and implications for special and regular education will be presented. Special attention to the educational needs of culturally and linguistically diverse special needs students will be addressed.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 494 - Current Trends/Issues in SPED**

Credit Hours: 3.000

This capstone course is designed to allow students opportunities to practice essential professional skills involving consultation and collaboration with service providers. Activities will include the development of EP's focusing on student academic achievement and transition plans.

Prerequisites:

BKCK - Minimum Score: 1

**SPED 495 - Student Teaching in SPED**

Credit Hours: 6.000

The course addresses student teacher state required field experience hours to be completed in secondary school setting with a focus on transition planning. The experience provided during student teaching will involve placement in a total inclusion setting. This practice experience helps candidates acquire necessary skills to build a community of learners. The student teaching experience requires a minimum of three hundred hours in an elementary or secondary school setting.

Elementary licensure students must complete a student

teaching experience in a secondary school. Secondary licensure students must complete a student teaching experience in an elementary school setting. K-12 students must complete a student teaching experience in a K-12 setting. The instructional team shall be composed of the elementary and secondary special education students, student teacher, cooperating teacher, university supervisor and the building administrator.

Prerequisites:

TEPP - Minimum Score: 2

AND BKCK - Minimum Score: 1

**SPED 526 - Behavior Management**

Credit Hours: 2.000

This course provides theoretical and practical application and knowledge of behavior management in a variety of educational settings. Topics include identification of behavior problems, design and implementation of behavioral interventions. Alternative approaches to behavior management based upon the application of various theories, which optimize the learning environment, are explored.

Corequisites:

SPED 553

**SPED 530 - Spec Needs Stud Instruct Meth**

Credit Hours: 2.000

Etiologies and characteristics of mild to moderate exceptionalities and instructional accommodations needed for the special needs student's individual education planning methods. Multidisciplinary process involved in identifying students' domain areas and strengths/needs necessary for developing and implementing Individualized Education and Transition Plans. Research-based interventions necessary for use in collaboration with other special education and regular education professionals. Alternative content teaching methods and assessments that address content standards for supporting students' success and achievement. Developing effective communication strategies to inform stakeholders about results of instruction and student outcomes.

Corequisites:

SPED 551

**SPED 531 - Multicultural Special Ed**

Credit Hours: 3.000

Addressing the assessment and instructional issues of culturally linguistically diverse learners with exceptional needs. Using culturally responsive assessment procedures to ensure appropriate instructional planning for CLDE students.

**SPED 532 - Consult/Collab/Behav/Asses/IEP**

Credit Hours: 3.000

Development of effective communication skills, techniques for collaborative problem solving and decision making essential for working regularly with educators, ancillary personnel, parents and students.



Understanding of the theoretical basis and development of skills in interviewing and conferencing techniques is stressed. Coaching in the development and implementation of Behavior Improvement Plans and gathering/analysis of needed assessment information to inform special education practices such as Identification and Progress Reporting. Progress Monitoring is also emphasized.

**SPED 533 - Found SpEd & Div Learners**

Credit Hours: 3.000

A required course to meet CDE generalist licensing requirements. Issues and trends related to specialized instruction, curriculum, assessment, and to meeting the needs of exceptional students, including medically fragile and culturally linguistically diverse learners. Issues include the over- and under-identification of culturally diverse students in special education and gifted education programs and review of assessment procedures and assessment principles to ensure consideration and sensitivity of student diversity.

**SPED 534 - Theories of Learning**

Credit Hours: 3.000

Exploration of learning theories and the implications and applications of theory to planning and intervention within the school setting. Emphasis is placed on the implications for children with handicapping conditions.

**SPED 535 - Methods Intervention Sign Nds**

Credit Hours: 2.000

Etiologies and characteristics of significant exceptionalities and instructional accommodations and modifications needed for the special needs student's individual education planning methods. Multidisciplinary process involved in identifying students' domain areas and strengths/needs necessary for developing and implementing Individualized Education and Transition Plans. Research-based interventions necessary for use in collaboration with other special education and regular education professionals. Alternative content teaching methods and assessments that address content standards, including extended evidence content standards for supporting students' success and achievement. Developing effective communication strategies to inform stakeholders about results of instruction and student outcomes.

Corequisites:

SPED 552

**SPED 539 - Transition to Adulthood**

Credit Hours: 3.000

This course is designed to support the student in meeting legally required IEP Transition to Adulthood Outcomes in alignment with CDE/OSEP guidance. Assessing, identifying and progress monitoring skills related to transition to adulthood needs for students in special education, working with other school personnel to achieve transition outcomes will be emphasized.

**SPED 540 - SP Educational Assessment/ID**

Credit Hours: 2.000

Developing skills for the systematic process of gathering, interpreting, organizing and applying educationally relevant information based on laws, policies and legal provisions. Using valid assessment methods to appropriately identify students with disabilities.

Corequisites:

SPED 550

**SPED 542 - SPED Law**

Credit Hours: 2.000

National and state laws targeting special education assessment and instruction. Examining Section 504 requirements and developing instructional plans for general and special education students.

**SPED 550 - Assessment Internship**

Credit Hours: 1.000

Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is practical application of planning and completing evaluation for identification of students with disabilities and updating IEP's at annual reviews.

Corequisites:

SPED 540

**SPED 551 - Mild - Moderate Nds Internship**

Credit Hours: 1.000

Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is practical application of IEP implementation for students with mild to moderate disabilities.

Corequisites:

SPED 530

**SPED 552 - Significant Needs Internship**

Credit Hours: 1.000

Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is practical application of IEP implementation for students with significant disabilities.

Corequisites:

SPED 535

**SPED 553 - Behavior Mgmt Internship**

Credit Hours: 1.000

Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is applying Behavior Management strategies in a school setting.

Corequisites:

SPED 526

#### **SPED 554 - Internship - On Site**

Credit Hours: 8.000

Field experience for certification/licensure only students who are not currently employed in an appropriate setting. The field experience provides supervision or guidance by an appropriately endorsed sponsor and the direct support and guidance of a college supervisor. Field experiences will be at both the elementary and secondary levels. A minimum of 400 clock hours is required.

#### **SPED 555 - Internship - On Site**

Credit Hours: 6.000

Field experience for student seeking licensure of the Master of Arts degree who are currently teaching full-time in an appropriate setting. The field experience provides supervision or guidance by an appropriately endorsed sponsor and the direct supervision of a college supervisor for one semester.

Prerequisites:

TEPP - Minimum Score: 1

#### **SPED 556 - Internship - Selected Site**

Credit Hours: 6.000

Field experience for students seeking licensure of the Master of Arts degree who are not currently employed in an appropriate setting. The full-time field experience provides supervision or guidance by an appropriately endorsed sponsor and the direct support and guidance of a college supervisor. A minimum of 310 clock hours is required.

#### **SPED 558 - Internship Alternate Site**

Credit Hours: 2.000

Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 100 clock hours with an alternate age group of students.

Prerequisites:

#### **SPED 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

#### **SPED 592 - Workshop**

Credit Hours: 0.500 TO 5.000

Short course offered on an intermittent basis to meet the needs of special constituents.

#### **SPED 599 - Individual Studies**

Credit Hours: 1.000 TO 7.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

#### **THTR 180 - Intro to Theatre GT-AH1**

Credit Hours: 3.000

This course is a study of theatre as an art with an emphasis upon its cultural and social influence in society. It examines the simultaneous evolution of several facets of theatre, including acting, directing, play writing, the physical stage, performance conditions, and dramatic literature. The course focuses on demonstrating the collaborative, eclectic nature of theatre, and on providing students with a sophisticated understanding of how live performances have evolved to meet the demands of each society through the ages.

#### **THTR 205 - Improvisational Acting**

Credit Hours: 3.000

This course is an introduction to improvisation as a form of comedy entertainment. Both short and long form will be covered. Completion of this course is a prerequisite for membership in the Adams State University Improvisation Troupe.

#### **THTR 210 - Stage Makeup**

Credit Hours: 3.000

Fundamental elements of design and application of theatre makeup. Painted theatrical makeup, latex, crepe hair, putty wax, prosthetics, and simulated physical trauma will be executed in this course.

#### **THTR 213 - Oral Interpretation of Lit**

Credit Hours: 3.000

Helps develop effectiveness in personal expression and abilities in the oral interpretation of fiction, nonfiction, and poetry.

#### **THTR 223 - Beginning Acting**

Credit Hours: 3.000

An introduction to the art of performing using the Stanislavski system of acting. Classes will consist primarily of in-class activities designed to demonstrate acting concepts and principles. This course requires active participation in discussions, exercises, and the presentation of performances.

#### **THTR 242 - Voice for Performance**

Credit Hours: 3.000

Study of the physical nature of voice production and the sound and mechanisms of speech, including articulation, register, and range. Individual analysis and performance.

#### **THTR 250 - Cinema**

Credit Hours: 3.000

An introduction to American cinema. This course will cover such topics as the history of cinema, film analysis, cinematography, editing techniques, film genres, screen writing, and the motion picture industry's responses to cultural issues.

**THTR 251 - Stagecraft I**

Credit Hours: 3.000

An introductory course that explores the basic skills, principles, and techniques of Technical Theatre production: Production Organization & Management, Scenery and Props, Lighting & Electrics, Sound, and Costuming & Makeup. An emphasis on both theory and gaining practical, hands-on experience with Theatre tools, equipment, and common practices.

**THTR 279 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**THTR 285 - Production Management**

Credit Hours: 3.000

This course presents information, materials, experiences, and projects that will lead students to an understanding of the functions of technical direction and stage and theatre management. It will teach students to become practicing, problem solving technical directors, stage managers and house managers.

Prerequisites:

THTR 251 Minimum Grade: C-

**THTR 288 - Physical Acting**

Credit Hours: 3.000

This course focuses on the physical aspects of acting. While previous acting courses introduced techniques dealing with creating a character, script analysis, and scene work, this course explores alternative movement-based approaches to acting. Instructor permission must be obtained to register for this course.

Prerequisites:

THTR 223 Minimum Grade: C-

OR THTR 223 Minimum Grade: T

**THTR 292 - Workshop**

Credit Hours: 1.000 TO 6.000

A short course offered on an intermittent basis to meet the needs of special constituents.

**THTR 310 - Advanced Acting Techniques**

Credit Hours: 3.000

Advanced study of the techniques of acting. Emphasis will be placed on character and script analysis using the Stanislavski system of acting. Additionally, other significant theories of acting will be introduced. Instructor permission may be obtained to register for this course.

Prerequisites:

THTR 223 Minimum Grade: C-

OR THTR 223 Minimum Grade: T

**THTR 320 - Censorship and the Arts**

Credit Hours: 3.000

This course focuses on the phenomenon of censorship in the United States with a specific emphasis on the First Amendment and case studies of censored artistic expression.

**THTR 325 - Styles of Acting**

Credit Hours: 3.000

Character analysis and development involved in performing tragedy, serious drama, farce, and high comedy. Instructor permission must be obtained to register for this course.

Prerequisites:

THTR 233 Minimum Grade: C-

OR THTR 233 Minimum Grade: T

**THTR 329 - Women and Drama**

Credit Hours: 3.000

A survey of the history and literature associated with women in theatre. The course will include the history of actual women involved in the evolution of western and eastern theatre traditions as well as playscripts which deal with the subject of women's issues. There will be a strong emphasis on the incorporation of contemporary dramatic theory, especially feminist theory, to analyze dramatic texts. The course will cover Greek through Contemporary Drama.

**THTR 333 - Creative Scenic Design**

Credit Hours: 3.000

This is an introductory-level, actively intensive, practical workshop, lecture, & discussion based class examining the tools, materials, skills and practices of scenic design, while developing creative thinking and visual communication techniques for the theatre designer. The emphasis of the class is on the creative process, from conceptualization to the execution and presentation of the design idea, with a major focus being the exploration and use of unexpected associations, analogies, and visual metaphors as tools for inspiring and creating effective scenic designs.

Prerequisites:

THTR 351 Minimum Grade: C-

OR THTR 351 Minimum Grade: T

**THTR 334 - Lighting Design**

Credit Hours: 3.000

This is an introductory-level, actively intensive, practical workshop, lecture, & discussion based class examining the tools, materials, skills and practices of lighting design, while developing creative thinking and visual communication techniques for the theatre designer. The emphasis of the class is on the creative process, from conceptualization to the execution and presentation of the design idea, with a major focus being the exploration and practical application of the Controllable Qualities of Light, Functions of Stage Light, and Designing with Light, and producing the Lighting plot and related paperwork.

**THTR 335 - Theatre Practicum**

Credit Hours: 1.000 TO 3.000

Participation in university theatre productions under the supervision of the Theatre faculty. Credit may be earned for: lighting, set construction, house management,

costuming, publicity, etc. May be repeated for credit. Instructor permission is required for registration into this course.

**THTR 340 - Costume Design**

Credit Hours: 3.000

Fundamental elements of design and study of critical historical periods of costume from Greek through present day.

**THTR 345 - Improv Troupe Practicum**

Credit Hours: 1.000 TO 3.000

Participation in college Improvisation Troupe under the supervision of the Theatre faculty. May be repeated for credit. No more than three credits will count towards major requirements. Instructor permission is required for registration into this course.

Prerequisites:

THTR 205 Minimum Grade: C-

**THTR 347 - Theatre and Social Change**

Credit Hours: 3.000

This course is an introduction to the ideas and practice of theatre as a catalyst for social change. It examines the intersection between theatre, society, and political activism.

**THTR 351 - Stagecraft II**

Credit Hours: 3.000

A hands-on approach to the fundamentals of technical theatre. Students will have the opportunity to learn mechanical drawing, stage carpentry, welding, set construction, stage lighting, scenery painting and the use of a variety of fasteners, hand tools, and power tools.

**THTR 352 - Playwriting**

Credit Hours: 3.000

This course introduces the basics of playwriting, its form and structure. Utilizing multiple approaches to writing and capitalizing on the student's own creative thinking, the course will culminate in a staged reading of the students' work.

Prerequisites:

ENG 203 Minimum Grade: C-

OR ENG 203 Minimum Grade: T

**THTR 368 - Performance Art**

Credit Hours: 3.000

A study of Performance Art with an emphasis on its history, theory, and creation of original performance.

**THTR 375 - Creative Dramatics**

Credit Hours: 3.000

Designed for those who will work with groups of children and adolescents, the student will learn to utilize the foundations of drama and dramatic technique in order to teach literary and nonliterary lessons.

**THTR 379 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**THTR 385 - Play Direction**

Credit Hours: 3.000

A comprehensive study of the numerous, functions of the stage director, from pre-season play selection to post-production evaluation. The focus will be placed upon script analysis, development of design concepts, principles of blocking and movement, pacing, and communicating with actors and the design team.

Prerequisites:

THTR 223 Minimum Grade: C-

OR THTR 223 Minimum Grade: T

**THTR 392 - Workshop**

Credit Hours: 1.000 TO 6.000

A short course offered on an intermittent basis to meet the needs of special constituents.

THTR 399 - Individual Studies

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**THTR 401 - Theatre Hist: Begin-17th Cent**

Credit Hours: 3.000

A study of the developments in the history of theatre from the theories of its own origins to its practices in 17th century Europe. A secondary focus of the course will be the study of selected dramas representative of these periods.

**THTR 402 - Theat Hist:18th Cent-Pres Day**

Credit Hours: 3.000

A study of the developments in the history of theatre from its practices in the 18th century to the present day. A secondary focus of the course will be the study of selected dramas representative of these periods and of dramatic practices in non-European countries or America.

**THTR 403 - Shakespeare**

Credit Hours: 3.000

An advanced study of the plays of William Shakespeare. Emphasis will be placed upon analysis and interpretation of the drama structure, the dramatic action, and the language of representative comedies, histories, and tragedies.

**THTR 430 - Business of Theatre**

Credit Hours: 3.000

This course is an exploration of the business of theatre, with the purpose of preparing students for entrance into the professional and/or academic world of theatre post-graduation.

**THTR 465 - Modern Theatre**

Credit Hours: 3.000

Study of theatre history and the diverse trends in dramatic literature during the 19th century and early to mid-20th century, as viewed through the works of the major playwrights of Europe and the United States. The focus of the course will be placed equally upon history, script analysis, and dramaturgy.

**THTR 470 - Classical Theatre**

Credit Hours: 3.000

A chronological study of the major periods of theatre history and dramatic literature, from the emergence of Greek tragedy in the 5th century B.C. to English Restoration Comedy. The focus of the course will be placed equally upon history, script analysis and dramaturgy.

**THTR 472 - Contemporary Theatre**

Credit Hours: 3.000

An inclusive study of theatre history and dramatic literature from 1965 through the present day with a specific emphasis on multicultural theatre. The focus of the course will be placed equally upon history, script analysis, and dramaturgy.

**THTR 479 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**THTR 480 - Dramatic Theory and Criticism**

Credit Hours: 3.000

An advanced examination of selected critical writings of major theorists and critical theories in theatre, beginning with the study of Aristotle and including the application of contemporary theories to a variety of playscripts.

**THTR 490 - Senior Thesis**

Credit Hours: 3.000

An advanced examination of a single area of theatre. This is the graduating senior's capstone project. The precise nature of the project will be designed in consultation with the student's advisor. Theses may include a significant research and writing project or a creative performing arts project, such as the direction or design or stage management of a play. Instructor permission is required for registration into this course.

**THTR 492 - Workshop**

Credit Hours: 1.000 TO 6.000

A short course offered on an intermittent basis to meet the needs of special constituents.

**THTR 499 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**THTR 579 - Special Topics**

Credit Hours: 1.000 TO 6.000

Offered periodically to meet student special interests in the field.

**WS 201 - Women's Studies**

Credit Hours: 3.000

An interdisciplinary analysis of women's position in society as presented through the disciplines of history, sociology, anthropology, theology, psychology, literature, and the fine arts. The course will examine theoretical approaches to the differential access to power

between men and women and the existence of patriarchy in Western culture.

**WS 294 - Women's Studies**

Credit Hours: 3.000

An interdisciplinary analysis of women's position in society as presented through the disciplines of history, sociology, anthropology, theology, psychology, literature, and the fine arts. The course will examine theoretical approaches to the differential access to power between men and women and the existence of patriarchy in Western culture.

**WS 379 - Special Topics**

Credit Hours: 1.000 TO 3.000

Offered periodically to meet student special interest in the field.

**WS 599 - Individual Studies**

Credit Hours: 1.000 TO 6.000

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

# *Faculty, Staff and Administration*

## **Faculty**

To contact faculty and staff, please visit [Faculty and Staff Directory](#).

**Sheryl Abeyta** (20-AUG-2009) *Assistant Professor of Accounting*. CPA; B.S. Adams State College, 1990; M.T. Taxation (Accounting), University of Denver, 2004.

**Christopher Adams** (18-AUG-2011) *Associate Professor of Chemistry*. B.S. Adams State College, 2006; Ph.D. Chemical Physics, University of Colorado, 2011.

**Beverly Agtuca** (18-AUG-2019) *Visiting Professor of Biology*.

**Stephen Aldrich** (25-AUG-2005) *Professor of Mathematics*. B.A. Colorado State University-Pueblo, 1995; M.A. University of Kentucky, 1997; Ph.D. Mathematics, University of Kentucky, 2000.

**Courtney Allen** (20-AUG-2015) *Assistant Professor of Counselor Education*. B.S. University of Florida, 1998; M.Ed. University of Florida, 2002; Ph.D. Counseling and Counselor, University of Florida, 2015.

**Leslie (Cramblet) Alvarez** (25-AUG-2006) *Professor of Psychology*. B.A. Southwestern University, 1998; E.D.M. Northern Arizona University, 2002; Ph.D. Psychology, Northern Arizona University, 2005.

**Meredith Anderson** (20-AUG-2015) *Assistant Professor of Mathematics*. B.S. The Ohio State University, 2008; M.S. New Mexico State University, 2011; Ph.D. Mathematics, New Mexico State University, 2015.

**Timothy Armstrong** (26-JUN-1996) *Professor of Biology*. B.S. Mesa State College, 1986; M.S. University of Massachusetts-Amherst, 1989; Ph.D. Biology, University of Massachusetts-Amherst, 1994.

**Robert Benson** (14-MAY-1997) *Professor of Earth Sciences*. B.S. University of Washington, 1981; M.S. University of Idaho, 1985; Ph.D. Geology, Colorado School of Mines, 1997.

**Umesh Bhattarai** (–) *Assistant Professor of Chemistry*. B.S. Tribhuvan University – Nepal, 2007; M.S. Tribhuvan University – Nepal, 2012; Ph.D.

Chemistry/Chemical Biology, University of New Mexico, 2007.

**Beth Bonnstetter** (21-AUG-2008) *Associate Professor of Communication*. B.A. Regis University, 1999; M.A. Colorado State University, 2005; Ph.D. Communications, University of Minnesota, 2008.

**Benita Brink** (08-JUL-1994) *Professor of Biology*. B.S. Aquinas College, 1984; Ph.D. Biology, Marquette University, 1989.

**Jessica Brown** (–) *Assistant Professor of English*. Ph.D., Arizona State University.

**Laura Bruneau** (18-JULY-2007) *Professor of Counselor Education*. B.A. Miami University, 1998; M.Ed. Kent State University, 2002; Ph.D. Counseling and Human Development, Kent State University, 2007.

**Alice Burch** (16-AUG-2016) *Assistant Professor of Nursing*. B.S. University of Colorado, 1983; M.S. Nursing. Chamberlain College of Nursing, 2011.

**Zena Buser** (16-AUG-2007) *Professor of Business*. B.S. Northwest Oklahoma State University, 1996; M.S. West Texas A&M University, 2002; Ph.D. Agriculture, West Texas A&M University, 2007.  
Carolyn Casale (–) *Assistant Professor*.

**Mari Centeno** (25-AUG-2004) *Professor of Political Science*. B.A. Purdue University, 1993; M.A. Arizona State University, 1996; Ph.D. Political Science, Arizona State University, 2003.

**Kimberly Chacon** (16-AUG-16) *Assistant Professor of Nursing*.

**Kathleen Chavez** (17-AUG-2012) *Instructor of English*. M.A. English, Adams State College.

**Morgan Cummons** (–) *Visiting Assistant Professor of Nursing*. A.A.S. Fort Scott Community College.

**Beverly Devore-Wedding** (–)

**James Doyle** (01-FEB-2008) *Associate Professor of Music*. B.A. University of Central Missouri, 1998; M.M. Music, Louisiana State University, 2000; D.M.A. Music, University of Nevada Las Vegas, 2016.

**Tracy Doyle** (25-AUG-2005) *Professor of Music*. B.A. University of Massachusetts-Amherst, 1995; M.M. University of Massachusetts-Amherst, 1998; D.M.A. Music, Louisiana State University/A&M-Baton Rouge, 2005.

**Terry Dupler** (–) *Associate Professor of Human Performance and Physical Education*. B.S. University of Houston, 1990; M.A. University of Houston, 1991; Ph.D. Exercise Physiology, Texas A&M University, 1996.

**Kristy Duran** (19-AUG-2010) *Associate Professor of Biology*. B.S. University of New Mexico, 1995; M.S. Colorado State University, 1999; Ph.D. Biology, University of Colorado, 2004.

**Jeffrey Elison** (13-JAN-2011) *Professor of Psychology*. B.S. Kutztown University, 1983; M.A. University of Northern Colorado, 2000; Ph.D. Psychology, University of Northern Colorado, 2003.

**Sara Erdner** (–) *Assistant Professor of Kinesiology*.

**Caroline Gabe** (–) *Visiting Professor of Anthropology*.

**Curtis Garcia** (AUG-2015) *Assistant Professor of Education*. B.A. Yale University, 2008; M.A. Education: Educational Leadership, Adams State University, 2011.

**David Gerke** (16-AUG-2016) *Assistant Professor of Speech/Theatre*. M.A. University of Hawai'i at Manoa, 2011.

**Daniel Gibson-Reinemer** (–) *Assistant Professor of Biology*. B.S. James Madison University, 2003; M.S. Colorado State University, 2008; Ph.D. Ecology, University of Wyoming, 2014.

**Kyle Glenn** (–) *Assistant Professor of Economics*. B.S. Portland State University, 2010; M.A. University of Denver, 2014.

**Victoria Gomez** (–) *Visiting Assistant Professor of Biology*. B.S. Stanford University, 2017; M.S. Stanford University, 2018.

**Nancy Gonzalez** (15-AUG-2016) *Assistant Professor of Sociology*. B.A. University of La Verne, 2005; M.A. California State University-Long Beach, 2011; Ph.D. Sociology, University of Oklahoma-Norma, 2016.

**Janessa Henninger** (20-AUG-2015) *Assistant Professor of Counselor Education*. B.S. College of Charleston, 2004; M.A. University of Northern Colorado, 2011; Ph.D. Counselor Education and Supervision, University of Northern Colorado, 2015.

**Elizabeth Hensley** (14-AUG-2008) *Associate Professor of Business*. B.S. Adams State College, 2005; M.B.A.

Arizona State University, 2007; Ph.D. Organization and Management with Specialization in Management Education, Capella University, 2016.

**Stephanie Hilwig** (21-AUG-2003) *Professor of Sociology*. B.A. Adams State College, 1994; M.A. California State University-Fullerton, 1999; Ph.D. Sociology, University of Tennessee-Knoxville, 2003.

**Curtis Howell** (19-AUG-2013) *Instructor of Academic Achievement Strategies*. M.Ed. Texas Tech University, 2011.

**Peggy Johnson** (24-AUG-2009) *Instructor of Human Performance and Physical Education*. B.S.Ed. Southwest Missouri State University, 1975; M.S. Parks, Recreation and Tourism, University of Missouri-Columbia, 1993.

**Lynnea King** (–) *Assistant Professor of English*. Ph.D. Texas Tech University.

**Rena Kirkland** (AUG-2017) *Assistant Professor of Psychology*. B.A. University of California-San Diego, 1997; M.A. University of Northern Colorado, 2004; Ph.D. Educational Psychology, University of Northern Colorado, 2013.

**Chayan Lahiri** (–) *Visiting Assistant Professor of Earth Science*. B.S. University of Calcutta, 2003; M.S. University of Calcutta, 2005; M.S. University of Idaho, 2008; Ph.D. Geological Sciences, University of Mississippi, 2017.

**Michelle Le Blanc** (–) *Instructor of English*. B.S. University of Colorado-Boulder; M.F.A. Antioch University.

**Amanda Leblanc** (–) *Visiting Assistant Professor of Mass Communication*.

**Michael Liebhaber** (–) *Visiting Instructor of Psychology*.

**Natasha Liebig** (–) *Visiting Assistant Professor of Philosophy*. B.A. Carroll College, 2001; M.A. University of South Florida, 2010; Ph.D. Philosophy, University of South Florida, 2016.

**William Lipke** (06-JUL-2001) *Professor of Music*. B.A. University of Arizona, 1982; M.M. University of Cincinnati, 1984; D.M.A. Piano Performance, University of Cincinnati, 1990.

**Richard Loosbrock** (05-JUL-2000) *Professor of History*. B.A. University of Kansas, 1988; M.A. University of New Mexico, 1993; Ph.D. History, University of New Mexico, 2005.

**Michele Mann** (–) *Assistant Professor of Teacher Education*.

**Mark Manzanares** (25-AUG-2003) *Chair and Professor of Counselor Education*. B.A. Adams State College, 1989; M.A. Adams State College, 1992; Ph.D. Education and Human Resource, Colorado State University, 2004.

**Maria Martinez** (–) *Visiting Instructor of Human Performance and Physical Education*. M.S. Adams State College.

**George McConnell** (–) *Assistant Professor of Theatre*.

**Cheri Meder** (15-AUG-2013) *Associate Professor of Counselor Education*. B.A. Western State College, 2004; M.A. Adams State College, 2008; Ph.D. Counselor Education and Supervision, Regent University, 2013.

**Ashley Meek** (–) *Assistant Professor of Mathematics*.

**Christina Miller** (06-JUL-2001) *Professor of Chemistry*. B.S. Adams State College, 1992; Ph.D. Biochemistry, University of Arizona, 1998.

**Melissa Milner** (15-AUG-2013) *Associate Professor of Nursing*. B.S.N. Southwestern College, 2001; M.S.N. Nursing, University of Phoenix, 2012.

**Gina Mitchell** (–) *Visiting Professor of Psychology*.

**Timothy Mobley** (23-AUG-2010) *Instructor of Developmental Mathematics*. B.A. Adams State University, 2008.

**Kieran Nduagbo** (–) *Assistant Professor of Teacher Education*.

**Matthew Nehring** (12-AUG-1998) *Professor of Physics*. B.S. Colorado School of Mines, 1990; Ph.D. Physics, University of Colorado-Boulder, 1995.

**Jenna Neilsen** (16-AUG-2007) *Associate Professor of Theatre*. B.A. Ohio Northern University, 2001; M.F.A. Theatre, Virginia Commonwealth University, 2007.

**Frank Novotny** (16-AUG-2004) *Professor of Chemistry*. B.S. St. Norbert College, 1989; Ph.D. South Dakota State University, 1993.

**Johnsa Phares** (–) *Assistant Professor of Counselor Education*.

**Glen Poklikuha** (–) *Assistant Professor of Kinesiology*.

**Dana Provence** (21-AUG-2003) *Professor of Art*. B.S. Baylor University, 1995; M.F.A. Fine Arts, University of North Texas, 2001.

**Eva Rayas Solis** (10-AUG-1993) *Associate Professor of Spanish*. B.A. Universidad de Sonora, 1980; M.A. University of Kansas, 1987; Ph.D. Languages and Literatures, University of Nebraska at Lincoln, 1994.

**Leslie Macklin-Rice** (16-AUG-2016) *Assistant Professor of Art*. B.F.A. Webster University, 2009.

**Neil Rigsbee** (17-AUG-2015) *Assistant Professor of Counselor Education*. B.A. Santa Fe University of Art and Design, 2005; M.A. Webster University, 2008; Ph.D. Counselor Education, The University of New Mexico, 2015.

**Patricia Robbins** (14-AUG-2008) *Professor of Business*. A.A.S. Otero Junior College, 1974; B.A. Adams State College, 1993; M.A. Adams State College, 1996; Ph.D. Business Education, Kennedy Western University, 1999.

**Tracey Robinson** (25-JUL-2001) *Professor of Human Performance and Physical Education*. B.S. University of Guelph, 1985; M.S. New Mexico State University-Las Cruces, 1987; Ph.D. Human Performance, Oregon State University, 1994.

**Beth Robison** (20-AUG-2009) *Professor of Music*. B.Mus. Ohio University, 1986; M.Mus. Ohio University, 2005; D.M.A. Musical Arts, University of Kansas, 2008.

**Natalie Rogers** (20-AUG-2009) *Assistant Professor of Business*. CPA; B.S. Adams State College, 1985; M.B.A. Leadership, Adams State College, 2011

**Charles (Nick) Saenz** (19-AUG-2013) *Assistant Professor of History*. B.A. University of Chicago, 2005; M.A. University of California-San Diego, 2009; Ph.D. History, University of California-San Diego, 2013.

**Penny Sanders** (16-AUG-2013) *Associate Professor of Counselor Education*. M.A. Northern Arizona University, 1988; Ed.D. Counseling, Texas A&M University-Commerce.



**Colleen Schaffner** (–) *Professor of Psychology*. B.A. George Washington University, 1985; M.A. Bucknell University, 1991; Ph.D. Psychobiology, University of Nebraska, 1996.

**Matthew Schildt** (25-AUG-2005) *Professor of Music*. B.A. Lebanon Valley College, 1998; M.A. Kent State University, 2000; Ph.D. Theory Composition, Kent State University, 2005.

**Eugene Schilling** (14-AUG-1996) *Professor of Art*. B.F.A. University of Nebraska at Lincoln, 1982; M.F.A. Fine Arts, Colorado State University, 1986.

**Heidi Schneider** (–) *Assistant Professor of Sociology*. A.A. Mira Costa Community College, 2007; B.A. California State University, 2009; M.A. University of California-San Diego, 2011; Ph.D. Sociology, University of California-San Diego, 2016.

**George Sellman** (08-JUL-1986) *Assistant Professor of Computer Science*. B.S. University of California-Berkeley, 1980; M.S. Technology, University of California-Santa Barbara, 1983.

**Michael Stewart** (–) *Assistant Professor of Sociology*. B.S. East Central University, 1996; M.S. Florida State University, 2002; Ph.D. Florida State University, 2008.

**John Taylor** (16-AUG-1999) *Professor of Theatre*. B.S. Wichita State University, 1988; M.A. Ohio State University, 1990; Ph.D. Theatre, Ohio State University, 1994.

**Marco Polo Tello Velasco** (–) *Visiting Assistant Professor of Management*.

**Jared Thiemann** (21-AUG-2014) *Associate Professor of Counselor Education*. B.A. Idaho State University, 2007; M.Coun. Idaho State University, 2009; Ph.D. Counselor Education and Counseling, Idaho State University, 2013.

**William (Bill) Tite** (–) *Assistant Professor of Business*.

**Aaron Tuioti-Mariner** (–) *Visiting Assistant Professor of Sports Management*. B.S. Adams State University, 2002; M.A. Adams State University, 2011; M.B.A. Leadership, Adams State University, 2012.

**Armando Valdez** (25-AUG-2006) *Assistant Professor of Business*. B.S. Colorado State University, 1997; M.B.A. Business Administration, Colorado State University, 1998.

**Matthew Valverde** (–) *Assistant Professor of Voice*. B.A. and M.A. Texas Christian University; M.A. Eastman School of Music; D.M.A. Vocal Performance, Eastman School of Music.

**Joaquin Vila** (–) *Professor of Teacher Education*. B.A. University of Puerto Rico; M.A. and Ph.D. in Linguistics, Michigan State University.

**Sandra Wagner** (–) *Instructor of Chemistry*.

**Tony Weathers** (25-AUG-2005) *Professor of Mathematics*. B.S. Mercer University-Macon, 1991; M.S. Auburn University, 1993; Ph.D. Mathematics, Auburn University, 1998.

**Anthony (AJ) Webb** (–) *Visiting Assistant Professor of Healthcare Administration*. B.S. Adams State University, 2010; M.B.A. Leadership, Adams State University, 2013.

**Angela Winter** (20-AUG-2015) *Director of Bands, Assistant Professor of Music*. B.M. University of Memphis, 1999; M.M. University of North Texas, 2002; D.M.A. Performance, University of North Texas, 2014.

**Grace Young** (08-MAY-1997) *Professor of Sociology*. B.A. Kalamazoo College, 1978; M.A. University of Chicago, 1985; Ph.D. Sociology, McGill University, 1996.

**Mohamed Yusri Zaro** (23-AUG-2010) *Assistant Professor of Finance*. B.S. Suez Canal University – Egypt, 1974; M.B.A. Business-Financial Management, California State University, 1983.

**Brian Zuleger** (21-AUG-2014) *Assistant Professor of Human Performance and Physical Education*. B.S. Western Washington University, 2009; M.S. Western Washington University, 2011; Ph.D. Education and Counseling Psychology, University of Missouri, 2014.

## *Emeritus Faculty*

**Carleton Q. Anderson, Ph.D.** Professor of Spanish, Emeritus since 1989

**Louis D. Appel, Ph.D.** Professor of English, Emeritus since 1982

**Robert M. Armagast, Ed.M.** Professor of Industrial Arts, Emeritus since 1979

**Melvin T. Arnold, Ph.D.** Professor of Chemistry, Emeritus since 2001

**Richard Baker, Ph.D.** Professor of English, Emeritus since 2018

**Robert Benson, Ph.D.** Professor of Geosciences, Emeritus since 2020

**Eva R. Borrego, Ph.D.** Professor of Education, Emeritus since 1972

**Charles G. Boyer, Ph.D.** Professor of Music, Emeritus since 2004

**Donald M. Brooks, M.A.** Professor of English, Emeritus since 1975

**Richard L. Burroughs, Ph.D.** Professor of Geology, Emeritus since 1988

**Julie Campbell, M.S.** Assistant Professor of Business, Emeritus since 2008

**Carrol Joe Carter, Ph.D.** Professor of Government and Politics, Emeritus since 1993

**Lee A. Cary, Ed.D.** Professor of Education, Emeritus since 1988

**William Chase, Ph.D.** Professor of Business, Emeritus since 1994

**Myron L. Clayton, M.A.** Vice President for Business and Financial Affairs, Emeritus since 1991

**Alberta Coolbaugh, Ph.D.** Professor of Business, Emeritus since 2011

**Carl Coolbaugh, M.B.A.** Assistant Professor of Business, Emeritus since 2008

**Jack K. Cooper, D.D.S.** Lecturer in Science, Emeritus since 1994

**Gerald Corning, M.B.A.** Associate Professor of Business, Emeritus since 2009

**John J. Cotton, Ed.D.** Professor of Health, Physical Education, and Recreation, Emeritus since 1989

**James H. Craft, Ph.D.** Professor of Biology, Emeritus since 1975

**Edward Crowther, Ph.D.** Professor of History, Emeritus since 2018

**William Curlott, Ed.D.** Professor of Business, Emeritus since 1996

**Koos Daley, Ph.D.** Professor of English, Emeritus since 2006

**Bill Dickey, Ed.D.** Professor of EPLS, Emeritus since 2001

**Hobart N. Dixon, Ph.D.** Professor of Biology, Emeritus since 2001

**James H. Douglass, M.S.W.** Associate Professor of Sociology and Gerontology, Emeritus since 1988

**Donald F. Eden, Ph.D.** Professor of Education, Emeritus since 1988

**Theodore J. Ellis, Ph.D.** Professor of Economics, Emeritus since 2005

**Randall Emmons, Ph.D.** Professor of Physics, Emeritus since 2009

**Wayne S. Farley, Ed.S.** Dean of Academic Services, Emeritus since 1994

**Rex Filer, Ph.D.** Professor of Counselor Education, Emeritus since 2015

**Cole N. Foster, Ph.D.** Professor of English, Emeritus since 1998

**Jeffery Geiser, Ph.D.** Professor of EPLS, Emeritus since 2006

**Gordon E. Gillson, Ph.D.** Professor of History, Emeritus since 1988

**J. Thomas Gilmore, Ph.D.** President and Professor of Business, Emeritus since 2003

**Richard Goddard, Ph.D.** Professor of Government, Emeritus since 2018

**James R. Groves, M.A.** Professor of Business, Emeritus since 1972

**Carol Guerrero-Murphy, Ph.D.** Professor of English, Emeritus since 2015

**A. J. Hall, M.S.** Director of Physical Plant, Emeritus since 1982

**Carolyn Harper, Ph.D.** Professor of Theatre, Emeritus since 2007

**Nellie N. Hasfjord, M.A.** Associate Professor/Director of Library, Emeritus since 1985

**James P. Hatfield, M.A.** Professor of Art, Emeritus since 1977

**Donald D. Hermanson, Ph.D.** Professor of Education, Emeritus since 1993

**Margery Herrington, Ph.D.** Professor of Biology, Emeritus since 2014

**Virgil I. Hoff, M.A.** Associate Professor of English, Emeritus since 1979

**Lee Holland, Ed.D.** Professor of Education, Emeritus since 2001

**George B. Hugins, Ed.D.** Professor of Education, Emeritus since 1981

**Harry U. Hull, B.A.** Director of the SUB, Emeritus since 1987

**Richard Jacobs, Ph.D.** Professor of Marketing, Emeritus since 2006

**Phil Jaramillo, Ph.D.** Associate Professor of Spanish, Emeritus since 2004

**Dale E. Jeffryes., M.S.E.** Associate Professor of Speech/Theatre, Emeritus since 1984

**Martin Jones, Ph.D.** Professor of Chemistry, Emeritus since 2012

**Randolph F. Jones, M.M.** Associate Professor of Music, Emeritus since 1985

**Charleen Kahre, Ph.D.** Professor of Education, Emeritus since 1997

**Veryl F. Keen, Ph.D.** Professor of Biology, Emeritus since 1993

**Christine Keitges, D.M.A.** Professor of Music, Emeritus since 2014

**Eugene T. Kelly, Ed.D.** Professor of Education, Emeritus since 1984

**Carl Koch, Jr., Ed.D.** Professor of Business, Emeritus since 1976

**Joseph Kolupke, Ph.D.** Professor of English, Emeritus since 2004

**Dale E. Lorimer, Ed.D.** Professor of Psychology, Emeritus since 1973

**Ronald E. Loser, D.A.** Professor of Mathematics, Emeritus since 2003

**Marilyn M. Loser, Ph.D.** Professor of Mathematics/Computer Science, Emeritus since 2005

**Edward Lyell, Ph.D.** Professor of Business, Emeritus since 2017

**Madonna E. MacGowan, M.A.** Professor of Business, Emeritus since 1978

**David Mazel, Ph.D.** Professor of English, Emeritus since 2014

**Teresa “Teri” McCartney, Ph.D.** Professor of Counselor Education, Emeritus since 2014

**John McDaniel, Ph.D.** Professor of History, Emeritus since 2007

**Ted McNeilsmith, Ph.D.** Professor of Sociology, Emeritus since 2010

**Virgil L. McPherson, Ed.D.** Professor of Psychology, Emeritus since 1972

**Christine E. Moeny, M.A.** Assistant Professor of Library Science, Emeritus since 1985

**Frank A. Moore, Ph.D.** Professor of Chemistry, Emeritus since 1985

**Marvin D. Motz, Ed.D.** Professor of Psychology, Emeritus since 1994

**Theodore Mueller, Ph.D.** Professor of Physics, Emeritus since 1997

**Michael Mumper, Ph.D.** Professor of Political Science, Emeritus since 2019

**Randall Newell, D.B.A.** Professor of Accounting, Emeritus since 2008

**Paul Newman, Ph.D.** Professor of Theatre, Emeritus since 2016

**William I. Oba, Th.D.** Professor of Sociology, Emeritus since 1987

**Dorothy J. Orcutt, Ed.D.** Professor of Health, Physical Education, and Recreation, Emeritus since 1979

**Lawrence E. Orr, M.A.** Associate Professor of Health, Physical Education and Recreation, Emeritus since 1982

**Clarence Parks, Ph.D.** Professor of Sociology, Emeritus since 2011

**Norma L. Peterson, Ph.D., LL.D.** Professor of History, Emeritus since 1984

**Richard C. Peterson, Ph.D.** Professor of Geology, Emeritus since 1990

**Linda Reid, D.B.A.** Professor of Business, Emeritus since 2016

**R. Neil Rudolph, Ph.D.** Professor of Chemistry, Emeritus since 2008

**Jodine Ryan, M.A.** Assistant Professor of English, Emeritus since 1997

**Lena C. Samora, Ed.D.** Professor of Psychology, Emeritus since 1995

**Palmer F. Smith, M.A.** Associate Professor of Mathematics, Emeritus since 1988

**Cloyde E. Snook, M.F.A.** Professor of Art, Emeritus since 1992

**C. Lawrence Spannagel, Ed.D.** Associate Professor of Industrial Arts, Emeritus since 1985

**Connie Spencer, M.A.** Assistant Professor of Psychology, Emeritus since 1996

**Donald A. Stegman, M.A.** Associate Professor of English, Emeritus since 1993

**Gary E. Stephens, Ed.M.** Associate Professor of Education, Emeritus since 1984

**Cloyce Stokes, M.A.** Associate Professor of Music, Emeritus since 1982

**David P. Svaldi, Ph.D.** President and Professor of English, Communication and Theatre, Emeritus since 2015

**Clarence R. Svendsen, Ed.D.** Professor of Industrial Arts, Emeritus since 1985

**Lloyd G. Swenson, Ed.D.** Assistant Vice President for Academic Affairs and Professor of Education, Emeritus since 1985

**Richard W. Talley, M.A.** Associate Professor of English, Emeritus since 1990

**Luis M. Trujillo, Ph.D.** Professor of Spanish, Emeritus since 1988

**Susan Varhely, Ph.D.** Professor of Counselor Education, Emeritus since 2015

**Joe I. Vigil, Ph.D.** Professor of Health, Physical Education and Recreation, Emeritus since 1987

**Kay O. Watkins, Ph.D.** Professor of Chemistry, Emeritus since 1993

**Lynn L. Weldon, Ed.D.** Professor of Human Relations, Emeritus since 1993

**Arthur S. Wellbaum, M.A.** Associate Professor of Business, Emeritus since 1977

**Roland E. Wick, Ph.D.** Professor of Business, Emeritus since 1979

**Paul H. Williams, M.F.A.** Professor of Art, Emeritus since 1984

**Carroll O. Worm, M.A.** Associate Professor of Mathematics, Emeritus since 1989

**Brent Ybarrondo, Ph.D.** Professor of Biology, Emeritus since 2013

# Officers of Administration

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- Cleave Simpson, Chair, Alamosa, CO; Appointed 2015; Term expires 2018
- Kathleen Rogers, Vice Chair, Alamosa, CO; Appointed 2013; Reappointed 2017; Term expires 2021
- Pam Bricker, Del Norte, CO; Appointed 2016; Term expires 2020
- Michele Lueck, Englewood, CO; Appointed 2016; Term expires 2019
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- Reeves Brown, Denver, CO; Appointed 2016; Term expires 2020
- Donna Griego, Alamosa, CO; Appointed 2017; Term expires 2021
- John Singletary, Pueblo, CO; Appointed 2015; Term expires 2018
- Randy Wright, Alamosa, CO; Appointed 2014; Reappointed 2017; Term expires 2021
- Faculty Trustee: James Doyle, Ph.D.; Elected 2019; Term expires 2021
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- Executive Assistant to the President/Board of Trustees: Carol Osborn

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- Vice President of Academic Affairs: Margaret Doell, M.F.A. (Interim)
- Assistant Vice President for Academic Affairs: Margaret Doell, M.F.A.
- Assistant Vice President for Graduate Studies: Teri McCartney, Ph.D.
- Department Chairs
  - Art: Dana Provence, M.F.A.
  - Biology and Earth Sciences: Benita Brink, Ph.D.
  - Chemistry/Computer Science/Mathematics: Christy Miller, Ph.D.
  - Business: Patricia Robbins, Ph.D.
  - Counselor Education (graduate): Mark Manzanares, Ph.D.
  - English/Communication: (vacant)

- Theatre Program Director: John Taylor, Ph.D.
- History/Anthropology/Philosophy/Political Science/Spanish: Richard Loosbrock, Ph.D.
- Human Performance & Physical Education: Terry Dupler, Ph.D.
- Music: Beth Robison, D.Mus.A.
- Nursing Education Director: Melissa Milner, R.N., M.S.N.
- Psychology: Colleen Schaffner, Ph.D.
- Sociology: Grace Young, Ph.D.
- Teacher Education: Curtis Garcia, M.A. (Ph.D. in progress) (Interim)
- Assessment Director: Bob Adebayo, Ph.D.
- Accreditation Liaison Officer: Margaret Doell, M.F.A.

## Administration and Finance

- Chief Financial Officer: Heather Heersink
- Chief of Campus Police: Erika Derouin
- Director of Facilities: Wade Smith
- Budget Support Coordinator: Katie Silva
- Controller of Sponsored Programs: Jody Mortensen
- Director of Human Resources: Tracy Rogers
- Director of Purchasing: Renee Vigil
- Director of Student Business Services: Gregory Cook
- Controller: Leanne Lounsbury
- Chief Information Officer: Kevin Daniel
- Employee Relations and Benefits Coordinator: Shannon Heersink
- Title IX Coordinator: Ana Guevara

## Alumni Relations

- Director: Lori Laske

## Athletics

- Athletic Director: Larry Mortensen
- Associate Athletic Director/Eligibility/Compliance: Justin Boyd
- Associate Athletic Director/Competitive Rec Sports: Robert Lopez
- Assistant Athletic Director for Academic Affairs: Max Ruybal
- Sports Information Director: (vacant)
- Business Manager/Senior Woman Administrator (SWA): Katelyn Smith

## Public Relations and Marketing

- Director: Chris Lopez
- Assistant Director of Communications: Linda Relyea
- Print Shop Manager: Peggy Dunn
- Web Applications Developer: Michael Henderson
- Graphic Artist: Amy Kucera
- PR Content Strategist: Emily Osburn

## Student Affairs

- Vice President for Student Affairs: Ken Marquez
- Executive Director for Enrollment Management: Karla Hardesty
- Director of Auxiliary Services: Bruce Del Tondo
- Director of Counseling and Career Services: Aftin Gillespie
- Assistant Director of Counseling/Coordinator of Accessibility Services: (vacant)
- Director of Financial Aid: (vacant)
- Assistant Director of Financial Aid: Cathi Lucero
- Student Employment Coordinator: Sharon Chavez
- Assistant Director of Admissions Operations: Carissa Watts (Interim)
- Assistant Director of Admissions Recruitment: Samantha Sargent (Interim)
- Director of Academic Advising: Trevor Turner
- Transfer Student Coordinator: Tracy Swauger-Seckler
- Director of Student Support Services: Melinda Viescas (Interim)
- Director of Co-Curricular Recreation and Engagement: Jennifer “Jeni” Carter
- Associate Director of Co-Curricular Recreation and Engagement: Brian Puccerella
- Coordinator of CoRE-Activities and Transitions: Camille Martinez
- One Stop Student Services Coordinator: Russell Shawcroft
- Registrar: Belen Maestas
- Assistant Registrar: Diane Mondragon
- Director of Upward Bound: Angelica Gallegos
- Assistant Director of Housing & Residence Life: Mark Pittman
- Assistant Director of Auxiliary Services/Student Union Building: Stephanie Lewis
- Campus Events Coordinator: Berna Hostetter

## Distance Education

- Assistant Vice President for Extended Studies Operations: Judy Phillips
- Director of Special Projects: Renae Haslett
- Correspondence Education Program Director: Matthew Martinez
- Prison Program Coordinator: James Bullington
- Quality Assurance Specialist: Gary Glindmeyer

## Foundation

- Executive Director: Tammy Lopez

## Institutional Effectiveness

- Director: Sarah Rhett
- Data Analyst: (vacant)

## Nielsen Library

- Library Director: Jeff Bullington

## Distinguished Service Recognition

*J. Thomas Gilmore*  
*President*  
*Awarded in 2003*

*Phil Gore*  
*Director of Extended Studies and Continuing Education*  
*Awarded in 1998*

*Richard C. Johnson*  
*Director of Purchasing*  
*Awarded in 1999*

*Rosalie M. Martinez*  
*Associate Vice President of Administration*  
*Awarded in 1999*

*David C. Montanari*  
*Distance Education Director*  
*Awarded in 2000*