



**N**ORTHEASTERN  
JUNIOR COLLEGE

# CATALOG

*2022-2023*

100 COLLEGE AVENUE | STERLING, CO 80751 | 970.521.6600

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## Letter from the President

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2022-2023



### **Greetings from Northeastern Junior College in Sterling, Colorado!**

As you read this catalog, I hope you strongly consider Northeastern to be your choice for higher education. The entire Northeastern team is committed to your success from the day you arrive until you complete your studies and become a proud alumnus of this institution. At Northeastern, you will find a robust college experience with residence halls, athletics, clubs and activities, and a caring staff. More importantly, you will learn from dedicated and talented faculty in classes small enough to personalize your experience and allow us to meet your educational needs and goals.

As you will see, we offer a full spectrum of courses and programs that lead to technical certifications, degrees, and direct pathways to continue your education or start a career. You will be challenged, but you will emerge with skills, confidence, and a deeper understanding of yourself. We are here to ensure you succeed in college and life through our faculty, staff, and fellow students who become your lifelong friends and confidants. Come be part of this terrific team!

Use this catalog to plan your educational journey, and let us know if you have questions. We exist to provide you with a premier educational experience. I am here and available to help you succeed so please let me know how I can help.

I look forward to having you join our family!

*Mike White*

Mike White, President



## General Information

### Commitment to Diversity

Northeastern works to foster a multicultural environment. We believe that a diverse college population allows all students to learn from a wide variety of people. This diversity adds an essential and valuable dimension to the college experience that helps students succeed in the larger world.

### Policy of Non-discrimination and Accommodations

Northeastern is an equal opportunity education institution and does not discriminate based on race, color, national or ethnic origin, religion, age, gender, or sexual orientation. Our programs, activities, and employment are in accordance with the Civil Rights Act of 1964, Title IX of the Educational Amendments, Section 504 of the Rehabilitation Act, the Americans with Disabilities Act of 1990, and the Americans with Disabilities Act Amendments Act of 2008 (ADAAA). Reasonable accommodations will be provided upon request for persons with disabilities. If you are a person with a disability who requires an accommodation to participate in college programs, services or activities, please contact the Director of the Monahan Learning Center at 970-521-6619.

#### Goals

- Provide excellence in learning and teaching for transfer, career, technical education, and personal enrichment.
- Enhance student success and retention by providing comprehensive support services and activities.
- Offer student's opportunities to become well-rounded individuals, embrace diversity, and develop leadership skills.
- Provide leading technology for instruction and operations.
- Attract and retain quality employees and provide for their professional growth.
- Acquire, maintain, and improve college resources and facilities to provide an aesthetic and efficient collegiate environment.
- Assess institutional effectiveness, strive for continuous improvement, and operate with integrity and accountability.
- Promote the college in a way that enhances enrollment and builds relationships with alumni and donors.
- Develop relationships and partnerships that enrich the region and contribute to cultural, economic, educational, and social experiences for our students and citizens.

## Mission, Vision, Philosophy

### Mission

Northeastern Junior College is committed to developing excellence in all of our students by instilling knowledge, advancing skills, and providing opportunities for educational transfer and to enter the workforce successfully.

### Vision

To be the college where students come to expand their passion by developing the knowledge, skills, and abilities needed to make their passion their future.

## Philosophy

Our passion is your education. Our priority is every student, every class, every day.

**DISCLAIMER:** Northeastern reserves the right to change, without prior notice, the procedures and policies outlined in this catalog, and to revise college curricula, as may be necessary and desirable. Specifics of enrollment, program/course design, graduation requirements, scholarship awards, residency, tuition and fees, and other matters are subject to change after the publication of this catalog. Please check the Northeastern website for periodic updates and the most current information at: <http://www.njc.edu>.

## History

Northeastern is a two-year public community college and became one of 14 community colleges in the Colorado Community College and Occupational Education System in July 1997.

Northeastern is located at the north edge of Sterling, the Logan County seat, 125 miles northeast of Denver on Interstate Highway 76, U.S. Highways 6 and 138, and Colorado Highway 14.

Sterling is a city of approximately 14,000 residents, characterized by strong business, cultural, and professional interests. Anchoring a plains area primarily agricultural, it provides a trade, education, and health center for a population of more than 50,000.

Primary resources include extensive cattle and wheat operations and dry land and irrigated farming with some production from shallow oil deposits. Sterling also hosts the largest institution operated by the Colorado Department of Corrections.

The history of Northeastern is detailed in challenges, which individuals accepted singly, and in groups to provide this opportunity for continuing education. The college opened in the spring of 1941 because of joint planning and activity by educational leaders and interested citizens.

Formal history began when five members of District No. 12 Board of Education and the Logan County High School Committee filed articles of incorporation as private citizens. At an organizational meeting on May 8, 1941, they selected the following members of the Board of Regents: C. Reeder Phillips, President; Bailey S. Jamison, Vice-President; Dr. James H. Jackson, Secretary; Harold R. Whyman, Treasurer; and H. B. Swedlund, member.

Planners had the benefit of a careful study of junior colleges in Colorado and adjoining states and the strong support of representatives of communities from throughout northeast Colorado, publicly expressed at a mass meeting held in March 1941. Sixty students from 17 northeastern Colorado communities enrolled on September 8, 1941, when the first classes opened as an extension of the public school system. In 1941, before the first classes began, the college received assurances from four-year institutions of higher learning in Colorado guaranteeing the transfer of credits.

A continuing interest has reinforced the values of continuity and initiative as the college has grown. In October 1944, voters of Logan County approved tax support and a junior college district, coextensive with Logan County, was organized under Colorado law providing for the establishment of junior colleges.

The Board of Regents became the Junior College Committee, and shortly thereafter, the school's name became Sterling Junior College.

In 1945, the College Committee purchased a separate 15-acre parcel anchored by the building known as Smith Hall, which was demolished in 1997. Subsequent land additions have brought the total main campus to 25 acres. A 34-acre north campus addition acquired in December 1961 is available for further development of the physical plant. In the fall of 1999, the college acquired an Ag farm for instructional and lab purposes.

The names of two facilities recognize the early and continued contribution of Superintendent of Schools Robert R. Knowles and Principal Charles F. Poole. As Chief Administrative Officer, Mr. Poole served as dean until the College Committee changed the title to the president in 1947. When Poole resigned in 1948, Ervin S. French joined the staff as dean; the title changed to the president when the college administration separated from the public school system in 1953.

In 1950, the college's name changed from Sterling Junior College to Northeastern to reflect a larger service area. Since then, there has been continuing close association with the home community. The years have brought further expansion of the service area, increasing state aid and other sources of financial support.

In 1963, after noting the expanded geographical area to which students transfer, Northeastern filed a comprehensive faculty self-study report as an application for accreditation by the North Central Association of Colleges and Schools. Membership, with accreditation as a two-year college, occurred on April 7, 1964. Northeastern has offered terminal and vocational programs from its beginning. In recent years, it has received regional and national acclaim for piloting new career and technical programs and inviting industries to cooperate with public school superintendents for occupational programs at both the secondary and post-secondary levels on campus or in neighboring communities.

In November 1996, the voters of Logan County voted to terminate the Logan County tax levy for the college incrementally over three years, thus paving the way for entry into the State System of Community Colleges on July 1, 1997.

Purchased in 2019, the Yuma Campus opened in January 2020 and is committed to providing post-secondary education opportunities to residents of Yuma, CO, and surrounding communities. The addition of this campus enables residents to complete their high school education with a GED, take courses to learn English as a second language, and deliver transferable credit-bearing courses in a variety of subjects. Students can attend certain courses taught on the main Sterling campus via a virtual classroom. For more information, visit <https://www.njc.edu/yuma-campus>.

## Buildings

Our campus buildings reflect the continuous growth of Northeastern. The main campus is complemented by the nearby Applied Technical Campus. Landscaping, parking facilities, campus lighting, and well-kept streets and sidewalks enhance the campus. The names of several buildings honor persons significantly identified with the college's history.

**Walker Hall** houses administrative offices and honors James H. Walker, a college committee member from 1950 until 1962.

**Whyman Hall** holds classrooms and lab facilities and honors Harold R. Whyman, a founding incorporator and past board president.

**Beede-Hamil Hall** houses agricultural programs and recognizes former college committee members Armory E. Beede and David A. Hamil.

**Lebsack-Schmidt Hall** was completed on the Applied Technology Campus in 1976; it houses the automotive and diesel technology programs. The building honors former board members Clarence Lebsack and Ellis Schmidt.

### Hays Student Center

is named in memory of long-time Dean of Instruction Zane R. Hays; it is an activities and services center for students featuring the college bookstore, student government offices, a large ballroom, the Tennant Center of Western Art, recreation space, activities room used by the college and community, and Student Services offices.

### The Cosmetology Building

supports classroom instruction and practical training in the cosmetology career program.

### E.S. French Hall

is named for long-time president Ervin S. French; it includes the Corsberg Theatre, named in honor of veteran instructor and Humanities Chair Dorothy Corsberg, which seats 509 people and has a multi-purpose stage. French Hall underwent a complete renovation in 2014-2015 and includes workshop rooms that complement other classrooms serving a variety of college academic and career programs.

**Area Vocational Building** at the **Applied Technology Campus** houses the Industrial Automation and Wind Technology programs. This building houses the Ag Mechanics and some Precision Ag courses.

**Welding Shop** the first building on the Applied Technology Campus, was completed in 1969 and originally housed the Farm Machinery Mechanics Program. The Welding program will be moving to the area Vocational Building.

**"Chuck Wagon" Cafeteria** adjacent to the Student Center, contains three adjustable-space dining and meeting rooms in addition to the large cafeteria.

**Knowles Hall** is a former dormitory renovated and expanded in 1992. It houses the Monahan Learning Center (named for board member and benefactor Rex Monahan), the Fire Science and EMS Programs, and some athletic coach's offices.

In June 2021, the **Adult and Community Education Center (ACE)**, which includes Adult Basic Education, GED, ESL, and Family Literacy programs, moved to Knowles Hall.

Northeastern is Colorado's largest residential two-year campus with **Six Residence Halls** that offer housing for 578 men and women and offer a variety of options, including single rooms, double rooms, three-person apartments, and two- and four-person suites. Some buildings have unique features such as housing honors students, private restrooms, air conditioning, and gender designations in the building's wings. Please inquire for details through the college's housing office.

**Bank of Colorado Event Center** opened in October 1998. The \$7 million Bank of Colorado Event Center located on the Northeastern campus stands where Jackson Hall previously stood. The almost 60,000 square-foot facility is home to the Plainsmen and Plainswomen varsity athletic teams. This state-of-the-art facility includes the 2,000-seat Jackson & Edwards Arena, two wellness centers, two other full-sized basketball courts, a walking-jogging track, locker rooms, a training room, athletic offices, a ticket office, and a large lobby with a concession center.

**Yuma Campus** opened in January 2020 to serve Yuma and area residents.

## Admission Information

### Applying for Admission

Each student desiring admission to Northeastern must present to the Office of Admission the following materials prior to the date stipulated on the college calendar for submission of credentials: a properly completed Application for Admission to Colorado Collegiate Institutions or the application to Northeastern, immunization records or waiver, high school transcript or GED, college transcripts (if attended elsewhere). Students may apply online at <https://www.njc.edu/admissions>. There is no application fee.

### Immunization

Colorado law requires college students born since January 1, 1957, to be immunized against measles, mumps, and rubella. All students, including graduate students, must show proof of immunity if they attend a college or university with on-campus housing.

For all public and non-public post-secondary institutions in Colorado, state law requires that each incoming first-year student residing in student housing or any student who the institution requires to live on campus must submit to Northeastern proof (i.e., a standard certificate indicating immunizations were administered to the student) of immunization, or the student must sign a waiver stating they have reviewed information on meningococcal disease and acknowledge the potential health risks associated with bacterial meningitis or meningococcal disease and have decided to not receive vaccination. If the student is under the age of 18 years, the student's parent or guardian provides this information.

### Official high school transcript

Official high school transcript must show the date of graduation and be signed by the high school principal, college counselor, or superintendent of schools. GED graduates must submit proof of successful GED test completion.

### College transcripts

Transfer students must submit current official transcripts of all previously attended colleges. Transfer students must also submit high school transcripts. It is the applicant's responsibility to request and authorize officials at previously attended high school(s) or college(s) to send transcripts to Northeastern, to determine their math and English skill levels, and submit college ready ACT or SAT, Accuplacer, or GED scores, and to take college placement testing (when applicable) at the Northeastern Testing Center.

### Campus Visits

Visiting campus is crucial in choosing a college and determining if that college is the right fit for you. The Office of Admission at Northeastern invites you to plan a campus visit. Attending a Northeastern Preview Day allows students to visit with other students, meet with faculty, tour campus, have lunch in the cafeteria, and experience the life of a college student.

Plan to visit on a Preview Day, or allow us to tailor a personalized campus experience just for you. Scheduling an individual campus visit allows you to tour campus, visit faculty, and learn about becoming a successful student at Northeastern! To schedule a campus visit or to find more information regarding Northeastern Preview Day, contact the Office of Admission at (970) 521-7000.

## Admission Classification

As an open-enrollment institution, all students who are 17 years of age or older may enroll in college credit courses that are part of an academic degree program. Based on individual credentials, students will be classified as either "regular" or "special" students.

### Regular Classification

Applies to graduates of accredited high schools or applicants with a General Equivalency Diploma (GED) who may enroll with a part-time or full-time credit load. The college prefers students submit ACT or SAT scores at the time of application.

### Concurrent Enrollment Classification

These students take classes for both high school and college credit. This includes concurrent enrollment classes offered at their local high school and classes students may take on the Northeastern campus. To be a concurrent enrollment student, students must work with and receive permission from their local high school for the courses prior to enrolling in a college class. High school students who enroll in Northeastern courses without permission from their local high school will be charged for the class and any associated fees.

### Special Classification

Includes non-high school graduates, students graduating from non-accredited high schools, students who have not attained a GED, those who have completed a home school program, or those under 17 years of age. Students may enroll with a part-time or full-time credit load.

Students from home school programs or non-accredited high schools over the age of 17 are initially enrolled as "special" students. Students of home-based education must be compliant with C.R.S. 22-33-104.5. prior to applying to Northeastern. A student may be completing one or more semesters with satisfactory academic performance. Home-schooled students may advance to "regular" status by obtaining passing scores on the Ability-to-Benefit test (Accuplacer).

Students younger than 17 years of age who seek admission must obtain an underage waiver form to enroll in credit classes.

Admission to the college does not guarantee admission to a specific program. In addition to general admission requirements, each student must provide evidence of adequate background to successfully pursue the program in which they wish to enroll. Admission to one program does not automatically satisfy entrance requirements for other courses of study. Professional counselors and academic advisors are available to assist students in this evaluation process before the selection of a program or transfer from one program to another.

## Admission Classification

Northeastern Junior College classifies students by the following categories:

- Freshman: a student who has earned fewer than 30 academic semester credit hours.
- Sophomore: a student who has earned 30 or more academic semester credit hours.

## Student Classification

- **Full-time student:** a student registered for 12 or more credit hours per semester.
- **Part-time student:** a student registered for under 12 credit hours per semester.

## Tuition and Fees

Tuition and fees are determined by the number of college credits for which a student registers and the residential tuition classification of the student. The most current fee schedule is available at <https://www.njc.edu/cashier/tuition-costs>

## Residential Tuition Classification

Colorado state tuition classification is governed by state law (Colorado Revised Statutes §23-7-101, et seq., 1998) and by judicial decisions that apply to all public institutions of higher education in Colorado. The Director of Admission is the College's Tuition Classification Officer (TCO) and determines residency status for tuition purposes as prescribed by Colorado State law. The complete tuition classification guidelines can be located on the Colorado Commission on Higher Education website: [cdhe.colorado.gov/residency-requirements](http://cdhe.colorado.gov/residency-requirements).

In-state status for tuition purposes requires the domicile (legal, primary residence) of a qualified person in Colorado for the year preceding the first day of class. Domicile is defined as your place of habitation or true, permanent home.

To be considered a qualified person for tuition classification by the State of Colorado, you must be at least 22 years of age, married, emancipated, have a dependent, or be a graduate student to begin your one-year domiciliary period. If you are not qualified, your residency for tuition classification will be determined by your parent or legal guardian's domicile. A person 23 years or older who has resided outside Colorado and has established a residency outside the state cannot, merely by attending an institution of higher learning in Colorado, establish residency within the state.

To meet the legal residency requirements, the student or their guardian (if the student is under 23), must have resided in Colorado for one year.

A minor student whose parents have changed their residency from Colorado to a location outside of Colorado shall be considered a resident for one year from the date of the parents' removal from the county or state.

The tuition classification officer can answer questions about residency. Opinions of other persons are neither official nor binding.

## Admission of Transfer Students

Any applicant for admission who has attended another college or university must submit their previous collegiate record (from ALL other colleges attended) and apply for admission to Northeastern as a first-time freshman.

A student who wishes to transfer to Northeastern from another college may do so provided they have an acceptable academic and financial aid record from the previous institution(s) and is a student in good standing at the college from which they wish to transfer. Such students will be admitted to advanced standing based on their records.

Students on academic probation from another institution of college rank will be considered for admission based on several factors: high school record, college record, scores for the American College Test (ACT) or the Scholastic Aptitude Test (SAT) (if applicable), and a personal interview with the Vice President of Student Services if requested.

## Transfer of Credits and Degrees

### Transfer of Credits into Northeastern

The college accepts all undergraduate college credits transferred from institutions that are accredited by one of the following accrediting bodies:

- Higher Learning Commission
- Middle States Commission on Higher Education / Mid-Atlantic Region Commission on Higher Education
- New England Association of Schools and Colleges
- Northwest Commission on Colleges and Universities
- Southern Association of Colleges and Schools Commission on Colleges
- Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
- Western Association of Schools and Colleges, Senior College and University Commission

Transfer credit shall be accepted at Northeastern with an academic/university transfer or career/technical designation. When a question exists regarding course equivalency or designation, a request will be made for a course description from the transfer college or school from which the course was taken.

In addition to transfer credit accepted from institutions accredited through the accrediting bodies listed above, credits will also be accepted from the following accredited post-secondary programs:

- Emily Griffith Technical College
- Technical College of the Rockies
- Pickens Area Technical College
- Area career/technical schools that correspond to equivalent Northeastern and/or university transfer credit

These transfer credits will be used to fulfill as many course/program requirements as possible. Courses for which there are no equivalencies will be treated as electives.

Only transfer credits with passing grades of A, B, C, S (satisfactory), or P (pass) will be evaluated and applied to transcripts. Courses with a "D" grade will be accepted and applied to transcripts on a case-by-case basis. Students wishing to have a course with a "D" grade accepted must go to the Student Records Office and fill out the appropriate form. Transfer credits and grades will not be used in calculating a Northeastern cumulative GPA. All lower-division undergraduate credit hours awarded within ten years will apply to completing graduation requirements. Credits more than ten years old will receive careful consideration and approval. The Registrar, in conjunction with the department chair of the respective academic divisions, reserves the right to examine any course over ten years old to determine its currency and applicability to existing curriculum and programming before credit is accepted. If a course is denied, an appeal process exists by contacting the Records Office.

## International Credit Transfer Information

Non-U.S. transcripts must go through an evaluation service to be considered for transfer or waive pre-requisites. Northeastern accepts evaluations through any NACES member organization. These organizations can be found listed at <http://naces.org/members.html>

It is up to the student to select an appropriate evaluation service and pay the fees associated with that evaluation.

Costs will vary by service and type of evaluation offered.

Northeastern requires a **course-by-course** or **detailed** evaluation.

Credit recommendations do not guarantee acceptance of credits by Northeastern. Official evaluations can be mailed directly to:

Northeastern Junior College

Records Office

100 College Avenue

Sterling, CO 80751

If transcripts are being delivered in person, they must still be in the sealed envelope from the evaluation service.



## Transfer of Degree to all Colorado Public Four-Year Colleges & Universities

Colorado's agreement between public colleges and universities guarantees that when you complete your AA or AS degree with a "C" grade or better in every course-you can transfer to any Baccalaureate Liberal Arts and Sciences major (e.g., English, history, mathematics) and graduate after earning an additional 60 credit hours.

While you are guaranteed not to have to take more than 60 credit hours to graduate, to finish within two years depends on the number of credits you take each semester at the four-year institution, the course sequencing in your major (e.g., some upper-division major courses require that you complete lower-division major courses) and course availability.

This agreement does not apply to business, teacher education, engineering, or nursing, as these have statewide articulations with specific lower-division requirements. Save time by seeing your advisor at your earliest opportunity for the "transfer guides," many of which can also be found online.

In addition to showing you which lower-division courses are required for articulated programs such as business, these guides will tell you which lower-division courses are best suited for your intended major, and you can be sure to complete the pre-requisites for sequenced coursework before transferring to a four-year college.

The AA and AS transfer agreement applies to courses completed at a Colorado community college. Credit earned for prior learning, Advanced Placement, correspondence courses, CLEP, and other tested-only credit may not apply. The institution you transfer will evaluate these credits according to its policies.

For a copy of the Colorado Commission Transfer Policy, go to [www.cccs.edu](http://www.cccs.edu) or <https://highered.colorado.gov>.

## Summer School Admission

Provisional admission may be granted based on transcript through the first semester of the senior year to permit an applicant to register for the summer semester immediately following high school graduation. However, completing work in the summer term under such provisional admission does not automatically qualify the student for subsequent enrollment. All admission requirements, including a complete high school transcript, must be met before full admission status is granted.

## International Student Admission Information

Northeastern welcomes international students and recognizes the value they add to the learning environment. This policy applies to non-immigrant, international students seeking admission to the college on an F1 student visa.

### Admission Criteria

Fall semester applications and all supporting documents are requested to be on file at the college by July 15. Spring semester applications and supporting documents must be on file by December 15.

Admission of international students will be considered, and a Form I-20 will be issued when the following are received and evaluated as acceptable. Students must fulfill the following requirements and provide the following documents:

- Apply for admission to Northeastern at [www.njc.edu](http://www.njc.edu). The application must indicate in which semester the student will begin.
- Provide additional and complete transcripts of all previous secondary and collegiate academic work with certified English translations (if needed).
- Provide evidence of proficiency in the English language.

**Note:** No documentation is required if the student's native language is English or if the student graduated from an American high school. If the student's native language is other than English, the student must provide one of the following:

#### For FULL ADMITTANCE:

- Test of English as a Foreign Language (TOEFL): minimum score of 65, International English Language Testing System (IELTS): minimum score of 6.5, or Duolingo English Test minimum score of 95.
- The student enrolls directly into a college degree program and carries a full-time credit load (12-15 credits) of credit bearing courses, including First-Year Seminar.

#### For CONDITIONAL ADMITTANCE:

- Test of English as a Foreign Language (TOEFL): minimum score 52-64; or International English Language Testing System (IELTS): minimum score 5.5-6.4; or Duolingo English Test score of 80.
- The student is admitted into the SEVIS-certified English Pathway program, which allows for limited ESL assistance, including ESL 054 (five credits) and an additional 7-10 credits of college-level courses, including the First-Year Seminar.

- Statement of financial support for a two-year program for the student at Northeastern. Federal and state financial aid and tax-supported scholarships are unavailable for international students.
- Record of immunizations.
- Proof of medical insurance. All international students are required to have medical insurance in place while attending Northeastern.
- Full payment of outstanding tuition and fees on the day of registration. Failure to comply may result in the withdrawal of the student's U.S. Immigration I-20.

Other potential English proficiency assessments may be evaluated for admittance, including:

- Michigan Test of English Language Proficiency: minimum score of 75.
- Completion of Level 5 Advanced or Level 109 from an Intensive English Language Center.
- Completion of the STEP examination in Japan with a LEVEL II evaluation or above.
- Graduation from an American high school after attending for at least two years OR attending one year and meeting assessment test requirements.
- Special admission waiver approved by the president of the college.

The final steps for F1 Visa completion include:

- The Designated School Officer (DSO) creates a file in SEVIS (or previous college transfers information in SEVIS) to print a Form I-20. Northeastern's International Student Coordinator serves as the Designated School Officer.
- The DSO signs and sends the student the original Form I-20.
- Student pays the SEVIS I-901 fee at [www.ice.gov/sevis](http://www.ice.gov/sevis).
- Student makes an appointment with the U.S. Embassy or Consulate to interview for an F1 visa.
- Consular reviews application, confirms SEVIS fee payment, runs security check, interviews student, and potentially grants visa.
- Student obtains the visa before departure to the U.S.

## Definitions

### F1 Visa

This legal document is issued to a non-immigrant student pursuing a full-time program of academic study to achieve a specific education or professional objective at an academic institution in the United States that has been designated by the Department of Homeland Security to offer courses to such students and has been enrolled in the Student and Exchange Visitor Information System.

### International Students

This designation refers to non-Immigrant college students coming temporarily to the United States to attend school. The applicant must plan to pursue full-time academic study at an academic institution authorized by the USCIS to enroll international students.

### Non-Immigrants

The Immigration and Nationality Act defines the citizen of another country (i.e., a non-U.S. Citizen) as an alien who resides in the United States on a temporary or a permanent basis. Non-immigrants may be in this country legally with official documentation of legal authorization to reside in the U.S. or illegally (i.e., without official legal documentation of legal authorization for residency).

## Student Account Information

### General

Completed payment of financial obligations to the college is required at the time of registration. Registration, thus enrollment, is not complete unless the financial obligation is satisfied. Students with any outstanding financial debt to the college will not receive official transcripts of credits earned. A student officially withdrawing from college must resolve outstanding financial obligations to the college.

### Tuition

The State Board for Community Colleges and Occupational Education approves tuition rates annually, and students are billed according to their residency status. The number of college credits for which a student registers and the residential classification of the student determine tuition. A student who carries twelve credits or more qualifies as a full-time student. A student with fewer than twelve credit hours is considered a part-time student.

### Western Undergraduate Exchange (WUE)

Students attending Northeastern from states participating in the WUE program will be charged a reduced out-of-state tuition rate of 150% of in-state tuition. Only students from the following states may qualify Alaska, Arizona, California, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming, and the Commonwealth of Northern Marianas Islands. For more information, please contact the Northeastern Office of Admission.

### Fees

The State Board for Community Colleges and Occupational Education approves fees for full-time and part-time students. A registration fee is charged for all students each semester of enrollment. A technology fee and a fee to cover bond indebtedness are charged based on the number of credits in which a student is enrolled. In addition, all full-time students pay fees to support the Health Center, the Associated Student Government (ASG) operations and activities, and the Event Center. Various courses have fees related to the course as indicated in the term schedules. Selected career and technical programs such as cosmetology, automotive technology, and nursing require special equipment or materials. The State Board has approved a Student Fee Plan detailing the student participation in the annual fee revision.

### Refunds and Returns

If a student officially drops a class or withdraws from College before the census date (the last day to drop a class for a term), 100% of tuition and fees will be refunded. There will be no refund of tuition and fees after that date.

#### FINANCIAL DISCLAIMER FOR THE 2022-23 SCHOOL YEAR:

During the 2022-23 academic year, some or all instructional formats may change due to an emergency affecting college operations, public safety, or public health, including the COVID-19 pandemic. Tuition and fees are charged at the beginning of the semester and will remain in place regardless of any changes in an instructional format. Tuition and fees will not be refunded if the curriculum delivery format changes for any part of the 2022-23 academic year. If a student withdraws from residence facilities, the room and board charges will be refunded on a per-day basis through 87.5% of the term.

Room and Board Disclaimer for the 2022-23 School Year: Room, board, and meal plan charges will not be refunded if a student elects to move off-campus for reasons related to the COVID-19 pandemic, including but not limited to changes in an instructional format.

If the student had Title IV federal financial aid, a portion of these grants or loans must be returned to the programs based on the date the student withdrew from the college. If the withdrawal occurs after sixty percent (60%) of the term is completed, no return of these federal funds will be required. In order to calculate the amount to be returned, the withdrawal date must be determined. This will be the date the student began the withdrawal process as prescribed by Northeastern (or otherwise provided Northeastern with official notification of intent to withdraw). If the student drops without any of the notifications mentioned above, the midpoint of the term will be used as the withdrawal date. Northeastern will determine the appropriate withdrawal date if the withdrawal process was not initiated because of illness, accident, grievous personal loss, or similar circumstances beyond the student's control.

The amount of the unearned institutional charges and unearned Title IV funds based on the number of days in attendance to the withdrawal date will be calculated. Northeastern will then return to the Title IV programs the lesser of the unearned institutional charges or the unearned Title IV assistance.

The student will return any remaining unearned Title IV funds. If the student needs to return funds to Pell or SEOG programs based on the return priority, they need to return no more than fifty percent [50%] of the calculated amount. The loan amounts the student needs to return will be repaid according to the regular payment schedule for the loan.

The college refund to the loan account will be credited to the original loan amount. The amount a student needs to return to grants will be collected from the student by the college and then repaid to the grant program.

The order of return of Title IV funds will be as follows:

- Unsubsidized Stafford Loans
- Subsidized Stafford Loans
- Plus Loans
- Federal Pell Grants
- Federal SEOG Federal LEAP

For Northeastern to return the federal funds as calculated, Northeastern may refund unearned money to the student account. In making this refund, one of the following two situations will apply:

1. If the refund is for late start classes, other special terms, or unearned room and board, and it is greater than the amount of the federal awards, Northeastern will need to return some of the funds according to the calculation of when the process ends, and the returns are made.
2. In times of national or state emergency, certain students (e.g., reserve military units, National Guard, individuals with specialized skills, firefighters) are called to provide services to the country. When the call for service or a national emergency is issued, it is often necessary for students to interrupt their coursework in mid-term. In these situations, the refund policy may be altered in keeping with the best financial interest of the student. Refunds for unearned room and board will be made on a per-day basis, as indicated above. Tuition refunds will be made on a pro-rata basis even after the census date.

## Indebtedness Policy

No student who has a prior unsettled indebtedness to the college will be allowed to register for any new semester. During the period in which the indebtedness remains, requests to verify attendance or other requests for official college records will not be honored. Indebtedness shall include tuition and fees, room and board

charges, and any other financial holds placed on the student's record showing a balance owed to the college. Degrees and certificates will not be granted, nor will transcripts of credits be transferred to other colleges or employers until all accounts are paid.

## Room and Board Costs

Room and board expenses are approved annually by the State Board for Community Colleges and Occupational Education. For current rates, contact the Office of Admission, Housing Office, Business Office, or see our website <https://www.njc.edu/residence-life/room-and-board-rates>.

All fees, tuition, room and board charges effective at the printing of this catalog are subject to change by the State Board.

## Financial Aid & Scholarships

### Financial Aid Information

The Office of Financial Aid counsels students and/or parents and administers funds that are designed to assist students in meeting their educational expenses. Northeastern participates in grant, work-study, loan programs and scholarships. Funding sources for these programs include federal, state, institutional, and private sources. Information regarding financial aid programs may be obtained in the Northeastern Financial Aid Office. We will make every effort to help students plan a program in financing their college education which may involve drawing on a number of aid sources.

### Application Procedure

Priority for determining financial aid eligibility is given to those students whose completed applications are on file in the Financial Aid Office by March 1st.

1. Submit an Application for Admission to Northeastern. Financial aid awards are only for students who have been accepted for admission and are in an eligible degree and/ or certificate program. Not all degree and/or certificate programs offered by Northeastern are eligible for financial aid.
2. Submit a Free Application for Federal Student Aid (FAFSA). The application is available on the U.S. Department of Education's website at [www.fafsa.gov](http://www.fafsa.gov).
  - a. There is a priority date for completing the FAFSA for certain available funds. Students with completed applications are on file in the Financial Aid Office by March 1st will be considered first for those funds.
  - b. A new application must be submitted for each succeeding year.
3. Financial aid applications will be accepted at any time during the year. However, funding sources may be limited past the priority date of submission.
4. Submit all requested documentation to the Financial Aid Office as soon as possible. Awards will not be made until supporting documentation is complete.
5. Award notifications for the fall semester are generally sent starting after March 1st and continue throughout the year.

## Eligibility Criteria

To qualify for need-determined assistance the student must meet the following criteria:

1. Be accepted in an eligible degree and/or certificate program.
2. Be a citizen or permanent resident of the United States.
3. Be registered with Selective Service (if required).
4. Have a high school diploma, passed the General Equivalency Diploma (GED), or demonstrated the Federal Ability to Benefit test.
5. Not owe a refund on a Federal Grant or be in default on a Federal Student Loan.
6. Making satisfactory academic progress.
7. Apply in a timely manner and submit all documentation and/ or information needed to the Financial Aid Office to make a determination of eligibility.

## Course Program of Study (CPoS) Information:

The US Department of Education requires that institutions ensure financial aid funds are used to pay for courses that apply to a student's degree program. The CPoS will be considered when determining Federal Financial Aid eligibility. If a student is enrolled in courses that do not count towards their degree, the student will be responsible for those course costs. Northeastern will make every effort to ensure financial aid is correctly applied at the time of disbursement, there may be instances where Northeastern is required by the US Department of Education to review and make corrections to your financial aid. If financial aid has paid toward classes that are not part of the student's degree program, Northeastern is federally required to return that aid which may result in a balance due for the student. If this happens, the student will be notified.

Students should verify their curriculum to ensure CPoS will approve financial aid funding. If the student needs to change their major, they must do so before the census date of each semester of the current term. Any change of major form completed after census date will be applied to the following term. As a result, the student may not receive federal funding.

## Registration Compliance

Section 1113 of the Department of Defense Authorization Act of 1983, Pub. L 97-252 provides that any student who is required to register with the Selective Service and those who fail to do so are ineligible for student financial aid under Title IV or the Higher Education Act of 1965.

## Financial Aid Satisfactory Progress Policy

Each institution that receives Title IV funds is required by the U.S. Department of Education, Section 132 of the Higher Education Amendments of 1976, to define and enforce standards for satisfactory academic progress. Satisfactory Academic Progress measures a student's performance in the following three areas/ criteria: completion rate, grade point average (GPA), and maximum timeframe.

The Financial Aid Office is responsible for establishing and monitoring a standard of "satisfactory academic progress" for continuation of financial aid eligibility. In order to be eligible to receive financial aid (federal and/or state and at times institutional aid), the student must be making satisfactory progress towards a certificate or degree as identified in the quantitative (the completion rate of credit hours attempted) and qualitative (the GPA) standards of the policy. Progress is reviewed at the time an application is

processed (including Federal Pell, Federal Stafford, and Federal PLUS Loans if submitted separately) and at the end of each term. The maximum timeframe allowed for a student to complete his/her certificate and/or degree program is 150% of the number of credit hours required for the specific program. The standard of satisfactory academic progress must include a student's total academic history at Northeastern regardless of whether he/she has previously received financial assistance. A complete copy of the policy is available on the financial aid web site, [www.njc.edu/financialaid](http://www.njc.edu/financialaid).

## Funding Sources

### Grants

1. **Federal Pell Grants:** The Federal Pell Grant is a federal aid program designed to provide financial assistance for postsecondary education. Awards are an amount determined by the Federal Government. Students must complete a FAFSA.
2. **Federal Supplemental Educational Opportunity Grants (FSEOG):** A federal grant designed to provide assistance to documented exceptionally needy students to help pay for postsecondary education. Awards must not exceed \$4000. Students must complete a FAFSA.
3. **Colorado Student Grants:** The Colorado Student Grant program is funded by the Colorado General Assembly and is to provide assistance to qualified undergraduate students with documented financial need at state institutions of higher education. Award limitations are set by the Colorado Department of Higher Education. Students must be a Colorado resident and complete a FAFSA.
4. **Higher Education Emergency Relief Fund (HEERF):** The U.S. Congress passed the CARES Act, CRRSA Act, and ARP to provide funding to students in higher education. These funds may be awarded based on an application process or as determined by administration. Additional information is available on the website at: [www.njc.edu/recovery-grant](http://www.njc.edu/recovery-grant).

### Work-Study

1. **Federal Work-Study:** Federally funded work programs with a portion of the funds contributed by the college. Awards are made only to students who have a documented financial need. Students must complete a FAFSA.
2. **Colorado Work-Study:** Funding by the Colorado General Assembly for an employment program awarded to Colorado residents with documented financial need. A wide variety of positions are available on campus. Students must complete a FAFSA.
3. **Colorado No-Need Work-Study:** Funding by the Colorado General Assembly for an employment program awarded to a limited number of Colorado residents without documented financial need. Students must complete a FAFSA.



## Loans

**Federal Direct Subsidized Stafford Loan:** These are low interest loans that are based on documented financial need. With the William D. Ford Direct Lending Program, the loan funds are delivered directly from the U.S. Department of Education. The federal government pays the interest while you are in school or during your grace period. Repayment begins six months after the student leaves school or is enrolled in less than six credit hours. Origination fees are deducted prior to disbursement of funds. Students must complete a FAFSA.

**Federal Direct Unsubsidized Stafford Loan:** These loans are not based on financial need. The borrower is responsible for the interest payments. With the William D. Ford Direct Lending Program, the loan funds are delivered directly from the U.S. Department of Education. Origination fees are deducted prior to disbursement of funds. Students must complete a FAFSA.

**Federal Direct Parent Loan for Undergraduate Students (PLUS):** Variable interest rate loan made to the student's parents for the student's educational expenses. This loan is based on a credit check. Amount is limited to the cost of educational expenses minus other aid. Origination fees are deducted prior to disbursement of funds. Repayment begins 30 days after the final disbursement. Applications are available on [www.studentloans.gov](http://www.studentloans.gov), or you may contact the Financial Aid Office.

## Scholarships

Scholarships are available from several sources and the criteria for those vary. Each scholarship is awarded under provisions of the specific grant.

The majority of Northeastern scholarships require some type of application. For a complete description of all Northeastern Scholarships and appropriate application procedures, please visit the website at [www.njc.edu](http://www.njc.edu). The following is a brief list of scholarship funding sources available:

1. Northeastern Foundation Scholarships
2. Northeastern Institutional Scholarships
3. Community Scholarships awarded by Northeastern

Colorado Application for State Financial Aid (CASFA)–The CASFA is a Colorado funded program that allows state aid to be awarded to eligible ASSET students who do not have lawful immigration status, but meet the following criteria:

- Student has resided in Colorado for at least three years before graduating from a Colorado high school or passing a high school equivalency exam.
- Student has been admitted to a college within 12 months of graduating high school.
- Student has signed an affidavit affirming they will seek legal immigration status as soon as they are eligible.

Students eligible for federal Title IV financial aid should complete the FAFSA, and will not be eligible for the CASFA. For additional information and to apply for the CASFA, visit: [highered.colorado.gov/CASFA](http://highered.colorado.gov/CASFA)

## Summer Aid

Funding for summer generally consists of unused academic year Federal Pell Grant, Federal Direct Stafford Loan, Unsubsidized Federal Direct Stafford Loan, or PLUS Loan eligibility. If you are interested in Summer aid contact the Financial Aid Office for a summer aid application during spring term.

## Department of Veteran Affairs

The Financial Aid Office works with the Veterans Administration to assist in administering provision of the various programs of benefit to veterans or eligible relatives of veterans under benefits. The Financial Aid Office certifies enrollment and transmits necessary credentials and information to the proper Veterans Administration Office.

### *Title 38 United States Code Section 3679(e) School Compliance Form*

School Name: Northeastern Junior College

As part of the Veterans Benefits and Transition Act of 2018, section 3679 of title 38, United States Code was amended, and educational institutions will be required to sign this compliance form to confirm your compliance with the requirements as outlined. *Effective August 1, 2019, the State Approving Agency, or the Secretary when acting in the role of the State Approving Agency, shall disapprove a course of education provided by an educational institution that has in effect a policy that is inconsistent with the areas below:*

**NOTE:** A Covered Individual is any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post-9/11 GI Bill® benefits. Your policy must permit any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.
2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

Your policy must ensure that your educational institution will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

*Your signature on this document attests that your facility currently complies with the requirements of 38 USC 3679(e), or will comply by the effective date of August 1, 2019.*

Please ensure that policies in the next publication of your catalog, bulletin, or addendum align with all of the above requirements.

### *Prime Time Learner (Senior Adult) Institutional Grant*

Senior adults are classified as individuals over the age of 60 at the time a class begins. These students may enroll in courses and receive a scholarship equal to 50 percent of the current per credit tuition rate. Scholarships will only be given if the course has room to accommodate extra students on a space available basis. Enrollees must also qualify for the COF stipend and utilize those funds for courses. Scholarship forms and additional information is available through the Office of Financial Aid.

## Additional Information

Detailed information about financial aid grants, work-study, loans or scholarships, application processes and procedures, rules and regulations governing the various programs, payment procedures, and cost of attending Northeastern are available in the Financial Aid Office, Hays Student Center, Room 102, or by visiting [www.njc.edu](http://www.njc.edu) or by calling (970) 521-6800 or 1-800-626-4637, Ext. 6800.

## Academic Information

### Degrees and Certificates



Northeastern offers programs leading to the Associate of Arts Degree, Associate of Science Degree, Associate of General Studies Degree, Associate of Applied Science Degree, and certificates for Career and Technical Education Programs. All degrees and certificates require a minimum 2.00 cumulative grade point average (GPA) to be awarded.

Graduation requirements for degrees and certificates vary according to

program objectives and content. Variation in requirements is given in the following pages. Interpretations of general and specific requirements are available to each student through the faculty advisor. Students who expect to transfer will receive assistance in selecting appropriate college or university transfer courses. A student who wishes to change a degree program while enrolled at Northeastern should ask for an evaluation of their transcript.

### Student Bill of Rights

The General Assembly 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 transferrable 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 student's degree requirements.
7. A student's credit for the completion for the core requirements and core courses shall not expire for ten years from the date of initial enrollment and shall be transferrable.

## Student Responsibilities and Expectations

All students enrolled for any credit course are responsible for knowing the information in this College Catalog and any updates on costs, course revisions, curriculum changes, and published course schedules. All students are responsible for knowledge of the policies and procedures in the Student Handbook.

The Student Handbook contains all general student policies and the basic residence hall rules and procedures. The college reserves the right to change procedures and policies in the Catalog and the Student Handbook as deemed necessary and revise the college curricula as may be necessary and desirable.

*All students registered for any courses at Northeastern accept a commitment to seriousness of purpose, academic integrity, and high standards of personal and social behavior.* Students are expected to be cooperative and responsive members of the college community and the city of Sterling, comply willingly with college regulations, and abide by all local, state, and federal laws. All students have the right to due process and the right to file grievances. The college has the right to restrict, evict, suspend, and dismiss any student whose academic achievement and personal conduct do not meet the standards in the College Catalog and the Student Handbook.

In accordance with the regulations and procedures assuring due process, the College Hearing Board may dismiss any student whose conduct does not meet the college standards set forth in the Student Code of Conduct.

### Academic Advisor

An Academic Advisor will help you:

- Create an academic plan and choose the correct courses.
- Find the degree or certificate program that matches your goals.
- Understand the registration process.
- Discover the right transfer options and institutions to meet your needs.
- Access resources on campus that will help you succeed in the classroom.
- Identify your strengths and challenges to maximize your goals.
- Provide accurate and timely information.

You are responsible for making the decisions that help you achieve your career and academic goals; Your Academic Advisor is here to support you along the way.

### Assessment and Placement for Success

According to Colorado State Board Policy, you must indicate college readiness via placement test scores if you enter college for the first time. These tests will help determine what college courses you will take based on your skill levels in English, reading and math.

College Ready Indicators:

- Student has prior college-level English and college-level math course work with a final grade of "C" or better.
- Student has valid (non-expired) college-level ACT, SAT, Accuplacer, CCPT, GED, HiSet, TASC, PARCC, SBAC, AP, IB, CLEP, DSST, or PLA scores.
- Student has a 3.0 high school GPA with "B" in Algebra II or Geometry (for CTE math, MAT 120, 135 & 155) or "B"

in Pre-Calculus (for MAT121) (MAT1340) within the last 18 months.

- Student has a 3.0 high school GPA with a "B" in 11th grade English (for ENG121) (ENG1021) within the last 2 years.
- Northeastern's Self-Directed Placement Testing.

## Registration and Student Records Information

### Course Registration

Students who have completed the admission requirements are eligible to enroll at Northeastern. For your success, we encourage you to meet with your Faculty Advisor or a Student Services Counselor before the start date. Registration reserves space in classes and guarantees enrollment. The class schedule, published each semester electronically, provides critical information concerning each course: when and where the course meets, the instructor, and the cost. Class schedules and registration information are available on the Northeastern website at [www.njc.edu](http://www.njc.edu).

Northeastern has two registration methods: In-person at NJC or via the internet at <https://www.njc.edu/student-success-center/navigate> (staff to contact are listed at the bottom of the page).

### Credit Hour Load

**Course Load:** The standard course load is 15 credits per semester. Students who carry fewer than 12 credits are part-time students. Students with 12 or more credits are considered full-time. The maximum student load is 18 credits unless an override has been granted. A student who desires to carry more than 18 credits in a given semester must have demonstrated the ability to do so. For many students, an 18 credit hour course-load for a semester will be an extremely heavy schedule. New students should consider taking a lighter load for the first semester. In unusual circumstances, it may also appear necessary for a student to carry more than the normal course load. Permission to carry such a course load may be granted to individual students depending on the rigor of the course work and attendance.

Full-time career and technical students will normally register for the number of credits indicated for that semester in their Program Requirements.

### Holds

Academic and administrative offices can place holds on your registration, which prevents registering or changing your registration schedule. Holds are placed for various reasons (academic, financial, etc.). Failure to meet a payment deadline will result in a financial hold, which prevents schedule changes. Only the office that places the hold can remove the hold. If a hold was placed on your registration after registering, your registration would not be automatically canceled. However, you will not have registration access to adjust your schedule for subsequent terms until the holds are cleared.

### Repeating Courses

The college recognizes the varied circumstances when a student requests to repeat a course such as, but not limited to, the following: an unacceptable grade earned will not transfer, a required course is required for graduation or transfer, or a

demonstrated need to raise a low Grade Point Average (GPA) for graduation

To understand how a repeat class could affect grade point average and overall transcript, the student should consult an academic advisor before enrolling in the same class for a second time.

All college-level courses may be repeated. Each registration for the course and each grade received will be listed on the transcript.

On the transcript, a notation will follow the course indicating that the course was repeated and designating whether the course will be included in the GPA. The highest grade will be used in the GPA calculation. If the grade for the repeated course is the same as the original grade, only the most recent grade will count in the GPA calculation. All credit hours earned for initial and repeated courses will be deducted from a student's remaining COF stipend eligible hours.

"Repeated" courses may be applied only once to a certificate or degree, except for variable credit courses and designated courses that may be repeated for professional or personal development. To replace a grade, the course must be taken at Northeastern.

Developmental courses are eligible to be repeated. All developmental courses will appear on the transcript.

All courses, which students enroll for, after the drop date will be listed on the student's transcript, and none will be eliminated by future enrollments or course completions. Credit hours can only be earned once for any course.

Any semester course can be repeated (no restrictions on the type of course or the previous grade), and only the highest grade will be used for computation of the grade point average.

The most recent grade will be included in the term and cumulative GPA if a duplicate grade is earned. All previous grades in a given course will also appear on the student's transcript.

All other duplicate grades will be excluded from the term and cumulative GPA. Students should direct questions on repeating courses to an academic advisor, the Records Office, or the Student Success Center.

**Note:** Due to the logistics of the college conversion from quarters to semesters in the fall of 1988, the repeat policy is limited to those courses completed from the fall of 1988 to the present.

### Course Schedule Changes

Students are encouraged to secure advisor approval for all schedule changes. Students can add a class up to 6% of the class, drop a class up to 15% of the class (census date), and withdraw from a class 15-80% of the class.

### Adding a Class

To register for class (i.e., after initially enrolling and "adding" one or more classes), students must complete an Add-Drop Registration Form and submit this completed form to any of the five registration sites listed in the Registration information. Students may add classes during the "add period"; this period does not exceed six percent (6%) of the duration for the entire course timeframe. This procedure can also be done via the student's "Access Northeastern" web page or Navigate.

## Dropping a Class

Students may drop a class during the first fifteen percent (15%) of the course duration (census date without being financially responsible for the class; the class will not appear on the student's permanent record. Specific drop deadlines for term classes are listed in the schedule of classes. Students, who register and do not want to be held liable for tuition and fees or have a transcript record created, must drop the class on or before the last day for a refund, which is the census date.

Notifying an instructor, advisor or simply not attending the class is not sufficient to ensure that you are dropped from the class. An official Add/Drop Registration form must be received with appropriate signatures within the deadline. This procedure can also be done via the student's "Access Northeastern" web page.

## Drop for Non-Attendance

The faculty member is responsible for ensuring that all students listed on their roster have attended their course during the Add/Drop (census) period. If a student has not attended any class by the end of the Add/Drop period, the faculty member must No-Show the student by the end of the Add/Drop period. Students are expected to attend all classes. Students who do not attend any class sessions by the course census (add/drop date) will be identified as a no-show by the faculty and will be dropped from the course.

Once dropped as a no-show, a student cannot re-register in that same section, regardless of the no-show reason. In addition, the student could be dropped from any prerequisite or co-requisite courses, regardless of attendance in prerequisite/co-requisite course(s). Being dropped as a no-show can negatively affect students using financial aid or Veteran's benefits.

For online courses, attendance is defined as accessing the course and completing at least one academic activity (as determined by the individual faculty). What constitutes an academic activity may vary from course-to-course based on the uniqueness of each course.

Instructors will inform students of their individual class attendance policies. Students who miss too many class sessions may be advised to withdraw from a course.

## Withdrawal from Classes

Withdrawal from Class(es) - Any student may withdraw from any course(s) or the college without academic penalty anytime up to and including eighty percent (80%) of total class days. All courses withdrawn during this period will receive the grade "W." Courses designated "W" will be recorded on the student's permanent record but will not be used to calculate the student's semester or cumulative grade point average. After the dates for withdrawal without penalty specified above, the students may not withdraw from a course, and "W" is no longer a grade option for the instructor.

A student initiates requests for withdrawal from a course by obtaining the appropriate withdrawal form from either the Records Office or an academic advisor. The student will then obtain the signatures of the instructor(s) and the advisor, indicating communication of the student's intent. Course withdrawals will not become valid until the student has returned the completed forms to the Records Office. Failure to complete the prescribed withdrawal procedure will result in a grade in each course affected by withdrawal.

**Note:** Students are responsible for the full amount of tuition and fees for courses from which they are withdrawn. Students can also withdraw from a class through Northeastern Access.

## Withdrawal from College-All Courses

Withdrawal from College/All Courses - A student who decides to withdraw from all enrolled courses must obtain the "Withdrawal from Northeastern - All Courses" form from the Vice President of Student Services Office. This form must be completed and returned with the current ID before withdrawal from college is official. A student should not initiate a total withdrawal from the college via Northeastern ACCESS (the college's web-based student portal).

A 'student-initiated' total withdrawal from college can be completed up to and including the last date to withdraw from classes for the term. As part of a total withdrawal from college, a student cannot withdraw from a class that has already given its final exam or has otherwise ended, such as A-term or non-standard term classes that have concluded.

The withdrawal code to be used by an instructor will be a "W" to show a termination of enrollment or an "I" for an incomplete, which allows the student to complete specific course requirements at a later date. The instructor and student must complete all required protocols before the instructor can assign a grade of incomplete. (See section 2.16 Inventory of Common Grading Symbols – I - Incomplete).

**Note:** In unusual circumstances (death, disability, and excessive absences), the Vice President of Student Services, the instructor of the course enrolled, or the academic advisor may initiate the "Withdrawal from Northeastern - All Courses" for a student.

Procedures for withdrawing from the institution may be initiated only in the office of the Vice President of Student Services. Upon withdrawal from all classes, the student automatically severs the relationship with the college and is required to surrender their college identification card.

## Academic Renewal

The Academic Renewal Policy allows former Northeastern students to apply for the establishment of a new academic record. A student may be granted an "Academic Renewal" only once, and the decision will be final if approved by the Academic Standards Committee and accepted by the student. Call 970-521-6659 for additional information and clarification on this procedure.

## Eligibility

1. A student who has an academic record with courses older than two years from the current date is eligible for an Academic Renewal.
2. A student must have all financial holds cleared before a request can be honored.
3. Students can only apply for Academic Renewal once, which is not reversible.
4. A student must have completed at least six credit hours with a 2.00 GPA before applying for Academic Renewal.

## Procedures

1. A student must submit a letter of request to Northeastern Academic Renewal.
2. The Records Office will check the student's transcript for eligibility and, if eligible, forward the request of eligible students to the Chair of the Academic Standards Committee for review.
3. The Academic Standards Committee will review and recommend approval or denial before a semester pre-registration or registration period.
4. The Northeastern Records Office, after a thorough review of the student's transcript, will identify and

recommend the appropriate academic term to declare an Academic Renewal.

5. The Records Office will compute an Academic Renewal GPA from the designated academic term and provide the student with an updated transcript.

Northeastern may provide directory information under the Act's provisions without an eligible student's consent unless the student initiates a written request to prevent disclosure of such information.

## Guidelines

1. The student's transcript will reflect the entire academic record, and no classes will be deleted or removed. Thirty credit hours can be excluded from GPA.
2. Only grades earned after the Academic Renewal will be used to compute the new cumulative GPA.
3. Courses with a C grade or better before the Academic Renewal may be applied toward graduation requirements.
4. Academic Renewal will not change Satisfactory Progress for Financial Aid eligibility, and previous grades are subject to interpretation by specific Financial Aid Policy.

## Confidentiality of Student Records

The college maintains an educational record and student service record for each student who is or has been enrolled at the college. Per the Family Educational Rights and Privacy Act of 1974, as amended (hereafter "Act"), the following student rights are covered by the Act and afforded to all eligible students at the college:

1. The right to inspect and review the information contained in the student's records.
2. The right to request amendment of the contents of the student's records believed to be inaccurate, misleading, or otherwise in violation of the student's privacy or rights.
3. The right to prevent disclosure without consent, with certain exceptions, of personally identifiable information from the student's records.
4. The right to secure a copy of the college's policy.
5. The right to file complaints with the U.S. Department of Education concerning alleged failures by the college to comply with the provisions of the Act.

Each of these rights, with any limitations or exceptions, is explained in the college's policy statement. A copy may be obtained in the Records Office.

Educational agencies – colleges – may disclose educational records to the parents of a dependent student without the student's consent. Post-secondary institutions may disclose, to parents and legal guardians of students under the age of 21, information regarding the student's violation of any federal, state, or local law or any rule or policy of the institution governing the use or possession of alcohol or a controlled substance (amended 6/99). The college is obligated to keep, within the student educational records, a "record of access" for all people and organizations that have been granted access to the student's records. This access record is available only to authorized people within and outside the institution.

The institution shall disclose to an alleged victim of a crime of violence or a non-forcible sex offense the final results of disciplinary proceedings conducted by the institution. The institution may disclose the results of a disciplinary hearing for such violations of the college's rules; disclosure is limited to the violator's name, the violation committed, and sanctions imposed. Names of other students and/or witnesses can only be released by written permission.

Disciplinary records may be released to other schools and school officials when those records contain information regarding conduct that poses a possible significant risk to the safety of any student or members of that school community.

The following information is designated as directory information and may be released concerning any student for any purpose at the discretion of the college (unless a written request for nondisclosure is on file):

- Student name
- Major field of study
- Participation in officially recognized activities and sports and dates of attendance
- Degrees and awards received
- Most recent educational institution attended
- Enrollment status (i.e., full-time, three-quarter-time, half-time, less than half-time, withdrawn, graduated, or deceased)
- Height, weight, and high school attended (only for students in officially recognized activities and sports)

Currently, enrolled students may prohibit public disclosure of this directory information by notifying the Records Office in writing, specifying the categories to be withheld, within ten (10) calendar days after each term's first scheduled class day.

The college will honor the request until the student otherwise contacts the Records Office and provides written permission to release directory information. The student should carefully consider the consequences of any decision to withhold any category of directory information. Regardless of the effect upon the student, Northeastern assumes no liability that may arise out of its compliance with a request that such information is withheld. It is assumed that the failure on the part of the student to request the withholding of directory information indicates the student's consent to disclose.

Please refer any questions concerning the student's rights and responsibilities under the Family Educational Rights and Privacy Act to the Vice President of Student Services.

## Auditing Classes

Auditing means participation without evaluation or receipt of credit. An Audit/No Credit request form signed by the instructor must be submitted to the Records Office by the last day to register or add a course in any term.

Students electing the audit option will pay all required tuition and fees, meet all course requirements and receive the no credit grade of "AU". An audited class may be retaken at a later date for credit. The Colorado Opportunity Fund (COF) stipend cannot be used for audited classes.

The "AU" grade will continue to be included in the grading policy. The Audit "AU" is a registration status in Banner and is automatically posted as the grade there.

Students must choose the audit option by census date so that colleges can reconcile the COF file. The COF stipend cannot be used for "audit" courses. If students change to the audit status following initial enrollment, they will be responsible for the entire in-state tuition, not just the student portion.

Students should consider the S/U grading option rather than an audit because the COF stipend will be eligible for S/U courses but not for audit courses.

## Cancellation of Classes Due to Low Attendance

The college may cancel classes due to insufficient enrollment or other extenuating circumstances. Students enrolled in canceled classes will receive written notice of the cancellation.

The college business office will make refunds of tuition and fees charged for that class.

## Semester System and Term Dates

Northeastern operates on the 15-16-week semester plus a three to four-day final exam schedule. In addition, the college generally offers intensive courses two weeks before each term and summer: August, January, and May.

Students can select courses from one or more term combinations to reach optimum enrollment. The summer term is integral to the yearly calendar and is designed to provide continuous educational opportunities. It provides an additional opportunity for high school graduates to adjust to college-level work in a relaxed summer environment.

## Term Dates

The start and end dates for the three terms are:

Fall Intercession: August 8, 2022, to August 19, 2022

Fall Full Term 2021: August 22, 2022, to December 16, 2022

Spring Intercession: January 3, 2023, to January 13, 2023

Spring Full Term 2022: January 17, 2023, to May 12, 2023

Summer Session (5 weeks): May 30, 2023, to June 30, 2023

Summer Session (7 weeks): May 30, 2023, to July 16, 2023

## Faculty Authority in the Classroom

Northeastern students are expected to meet and exceed all academic and personal commitment standards as determined by each class's instructor. The faculty member sets the academic standards for each class taught, and the student is expected to comply with the following standards of classroom conduct and academic experience.

## Demonstrated Preparation

All students should demonstrate the necessary preparation (academic background and assessments) before enrolling in any class or course of study.

## Class Attendance

Students learn best with regular and consistent class attendance. Students are expected to attend all scheduled meetings of each course, and the encouragement of regular class attendance remains with the instructor while the actual responsibility remains with the student. Students may be administratively withdrawn from a class for excessive absences. Each course syllabus provides information on course attendance. The following general attendance guidelines apply to all students and all classes.

## Attendance Guidelines

1. Each class will have attendance procedures set forth by that instructor. Self-contained career and technical programs may develop attendance procedures that apply to all courses in the program.
2. Specific procedures for class attendance and the effect that absences may have on daily assignments, make-up work, examinations, and/or course grades will be made in written form and given to enrolled students during the first or second class meeting.
3. Class attendance procedures must be uniformly applied to all students enrolled in a course. Individual students should confer with instructors on personal and specific attendance concerns and conflicts. The determination and application of attendance guidelines are the responsibility of each faculty member.

4. Class attendance is the responsibility of the student. The student should communicate with advanced notice, if possible, any attendance situation affecting the submission and completion of course assignments, exams, etc.
5. Students serving on athletic or livestock judging teams, as members of an approved college club or extra-curricular activity, students enrolled in a class that is missed for a field trip, or college-sponsored performances will be considered "excused" by all instructors for the duration of the travel. The college sponsor advisor-coach should communicate with the students who will be participating. The students are representatives of the college in these approved instances.

It is the responsibility of the student to make faculty aware of upcoming "excused absences" for approved college activities and to assume responsibility for completing all assignments during the excused absences.

Faculty-sponsors, coaches, or instructors involved in other student travel are responsible for informing Department Chairs and other faculty members of students who miss classes because of approved student travel. The notification of students to be excused from classes should be distributed at least five (5) class days before departure from class.

## Classroom Conduct

Each student is expected to arrive before the class 'start time' and remain in class until the instructor issues dismissal. Each student is expected to bring only books and appropriate educational materials into the classroom. The instructor must approve before class begins the admittance for guests, visitors, or small children to be present in the classroom. Any student or visitor can be asked to leave if their presence hinders the learning process.

## Textbooks, Required Materials, Supplies, and Equipment

Each student is expected to purchase all the required supplies and materials to meet the requirements of the course by the second class session. Failure to do so may result in the student being dropped or administratively withdrawn from the class by the instructor.

## Reading Assignments, Written Reports and Verbal Reports

Each student is expected to complete all reading assignments as required. Each student will complete all written reports, writing assignments, and verbal reports as required.

## Special Assignments

Special assignments for extra credit (if offered by the instructor), make-up tests, or assignments that require the instructor's approval.

## Test and Evaluation Assessments

Each student will comply with all course evaluations as required.

## Plagiarized Materials, Cheating or Falsifying Assigned Materials as Original

Students are expected to produce original work. Any material taken from another source must be properly documented.

## Faculty Authority for the Classroom Experience

The Northeastern faculty member has the authority to make immediate and preliminary evaluations of a student's academic progress in a class and related personal conduct in the educational setting. This evaluation is based upon one or more of the above standards, and the instructor can withdraw a student from their class based on noncompliance with classroom conduct and academic experience standards.

## Academic Integrity Procedure

Northeastern students are expected to maintain the highest standards of academic honesty and integrity. Unless specified otherwise, all work submitted by a student is to be the original creation of that student. Penalties for plagiarism\*, including self-plagiarism\*\*, cheating, falsifying work, or other acts of academic dishonesty may include, but are not limited to, a verbal or written warning to the student, no credit, or reduced credit for an assignment, administrative withdrawal from the course, "F" grade for the course, disciplinary probation, or expulsion from the college. When a student commits an act of academic dishonesty, the faculty member must meet with the student to discuss the alleged violation of academic integrity and the evidence available. Following the meeting, the faculty member decides on the sanction to be given to the student (e.g., no credit or reduced credit for an assignment, "F" grade for the course, etc.). The faculty member will report the incident to their Department Chair. After consulting with the student and instructor, the Department Chair will place the student on disciplinary probation. The student shall be notified in writing of this action, which will be communicated to the Vice President of Academic Affairs, Vice President of Student Services, Registrar and the Office of Financial Aid. If the student commits a second act of academic dishonesty, the student will be placed on one-semester academic suspension or expulsion from the college. Any act of academic dishonesty may also result in the student being required to complete a program designed to educate that student about academic integrity and associated issues.

Students who violate this policy have rights accorded to them by the Northeastern Judicial System. Please refer to the Northeastern Student Handbook, Section 5.11, for details.

A student who fails a course because of a violation of this policy may retake the course. However, the original "F" grade and the new grade will be included in the student's overall GPA calculation. This is an exception to the Repeated Course Policy.

\*Plagiarism is using the words, images, thoughts, and structural patterns of someone else's work without giving credit to the source through in-text citation and reference or work's cited page.

Plagiarism also includes the excessive use of quotations, summarization, or paraphrasing.

\*\*Self-plagiarism is a student's re-submission of all or part of a written, oral, or artistic work they have previously submitted to another class. Self-referenced work must be pre-approved by the instructor.

**Note:** The Vice President of Academic Affairs will maintain a list of all students on disciplinary probation. Each time the VP is notified of a student being placed on probation by a Department Chair, they will review the list to determine if it is the student's second violation.

## Academic Evaluation-Academic Standards of the College

All policies on academic standards apply to students who enroll in credit courses at Northeastern, full-time, part-time, regular degree/certificate-seeking or special status. All students must maintain a cumulative grade point average of 2.0 (C) and fulfill all course requirements to graduate and receive a degree or certificate.

Students not maintaining the required grade point average may be warned or suspended based on their academic status. Academic progress to maintain financial aid requires a minimum number of credits and grade point average.

### Faculty Authority

Professional, qualified faculty are hired to facilitate learning by teaching each course and making preliminary, ongoing, and final evaluations of each student's progress.

The instructor is the final authority on each student's learning progress and the assignment of final grades for each course. Each faculty member is committed to teaching the course content, making individual and ongoing learning evaluations of each student, and assigning a final letter grade based upon these evaluations. A Department Chair or Director supervises each member of the faculty.

### Grade Reports – Grades

#### Grade Reports

Final grades are posted by faculty approximately two working days after the last day of the semester or grading period. Final grades for any term shorter than a semester should be posted by individual faculty. Final grades for any term will be available either on an official college transcript or an unofficial academic record only at the end of each semester. The student can access the unofficial academic record through Access NJC using the student's password.

#### Grading System (Pass-Fail Option)

Student achievement is evaluated in relation to the attainment of specific objectives of the course. At the beginning of the course, the instructor will explain the basis upon which student learning is evaluated and how grades are earned.

Veterans Administration regulations have prohibited certain grading practices for veteran students. Each veteran student must be aware of these regulations and conform accordingly.

#### Inventory of Common Grading Symbols

A - Excellent or Superior  
B - Good  
C - Average  
D – Deficient  
F – Failure  
I – Incomplete  
S – Satisfactory  
U – Unsatisfactory

P-A – Satisfactory (A-Level) work in a developmental or PED course

P-B – Satisfactory (B-Level) work in a developmental or PED course

P-C – Satisfactory (C-Level) work in a developmental or PED course

F-D - Unsatisfactory (D-Level) work in a developmental or PED course

F-F – Unsatisfactory (F-Level) work in a developmental or PED course

W – Withdrawal

AU – Audit

#### Place Holders

SP – Satisfactory Progress

Z – Grade not yet reported

R – Repeat Field

PLA – Prior Learning Assessment

CNG – Conversion – No grade

#### AU - Audit

By auditing a course, a student may participate in course activities but does not receive a formal transcript grade. Students must indicate intent to audit a course at registration or by the deadline listed in the course schedule. Audited courses are not eligible for the College Opportunity Fund stipend. Students will be responsible for the full in-state or out-of-state tuition.

Audited courses do not meet the credit hour requirements for financial aid or veteran benefits and may not be applied to certificates or degrees.

Course credits for which an AU is earned will not count in Attempted Hours and Earned Hours.

No Quality Points will be assigned, and there will be no impact on the Term or Cumulative GPA.

#### I – Incomplete

The "Incomplete" grade is temporary. It is designed for students who, because of documented illness or circumstances beyond their control, are unable to complete their course work within the semester but have completed a majority of the course work (defined as at least 75% of all course assignments and tests) satisfactorily (grade C or better).

Suppose circumstances beyond the student's control prevent the student from completing a test or assignments at the end of the term. In that case, it is the student's responsibility to initiate the request for an "Incomplete" grade from the instructor. The instructor will determine whether the student has a reasonable chance of satisfactorily completing the remaining course activities remaining course activities in a timeframe determined by instructor not to exceed one semester.

In requesting an "Incomplete" grade, the student must present to the instructor the documentation of circumstances justifying an "Incomplete grade." Institutions will determine if an electronic or paper contract is required for an incomplete grade.

The instructor will complete and sign an "Incomplete Grade Contract" and submit it to Student Services with the final grades for the semester. Student Services will send a copy of the "Incomplete Grade Contract" to the student. The instructor must assign an Incomplete Grade on the regular grade roster in a on the regular grade roster by the final grade due date listed on the academic calendar.

Whether colleges utilize the paper contract or an electronic contract, the student and instructor must satisfy the following:

1. Student Name (F, MI, L).
2. Student ID#.
3. Course Number and Section.
4. Reason for assigning a grade of incomplete (statement of extenuating circumstances).



5. Work to be completed to remove the incomplete grade (instructor should be very specific, including the work to be done, and how the final grade is to be calculated).
6. Evidence of completion of 75% of the semester course work.
7. Completion of a work plan that includes the following: What, when, and how assignments and tests will be submitted to complete the course. The length of additional time and end date when work must be completed.
8. If using paper contract/form, faculty must list default grade and include appropriate signatures, OR
9. If using the electronic method, faculty will report the incomplete grade through the institution's online student information system (e.g., Portal). At this time, faculty can assign a default grade higher than an "F" and designate a date by which the remaining work must be submitted (this date will not extend past the subsequent semester).
10. If using the electronic contract, submission of an incomplete grade and default grade via the Portal signifies that both instructor and student agree to the conditions in the electronic contract.
11. Instructor signature and date.
12. Student signature and date.

Students are encouraged to let instructors know as soon as possible if they are having difficulties with any part of the course. If a student and instructor cannot reach a resolution concerning an Incomplete, then the student should contact the Instructional Officer of the college.

Military personnel and emergency management officials who are required to go TDY in the middle of a term should contact their instructor for special consideration. Documentation of official TDY assignment is required and must be approved by the Chief Instructional Officer.

Incomplete grades not converted to a letter grade by the instructor after one subsequent semester (not including the summer semester) will revert to an F.

If the student would have earned a letter grade higher than F without completing the work, faculty should be encouraged to submit that higher grade before the automatic conversion to F.

### **Pass/Fail Grading**

Individual students cannot select the S-U grading option for a course that has been identified as a traditionally graded course when using the self-service features of Banner. A request for the S-U option must be submitted to the registration office prior to the first day of class. NOTE: If individual students are permitted by college procedure to choose an S-U option for a course, the college will build two sections: one for the graded section and one for the S-U option.

No S-U courses may be applied to the A.A.-A.S. degree except for physical education courses. "S" and "U" will count in attempted and earned credits but will not carry quality points. Therefore, S-U grades will not be included in GPA calculations.

### **S-Satisfactory**

The satisfactory grade is equivalent to a grade of "C" or above. The course will count in attempted and earned credits but will not carry quality points.

### **U-Unsatisfactory**

An unsatisfactory grade is equivalent to a "D" or "F" grade. The course will count in attempted credits but will not carry earned credits of quality points.

### **S/A, S/B, S/C**

These are satisfactory grades awarded only for developmental and PED classes. The A, B, and C indicate the level of satisfactory performance. These grades are not included in the GPA calculation. The course will count for attempted and earned credits. These grades will also be used for PED classes.

### **U/D, U/F**

These are unsatisfactory grades awarded only for developmental and PED classes. The D and F indicate the level of unsatisfactory performance.

These grades are not included in the GPA calculation. The course will count in attempted credits but will not carry earned credits.

### **P/A, P/B, P/C**

These are satisfactory grades awarded only for developmental and PED classes. The A, B, and C indicate the level of satisfactory performance. These grades are not included in the GPA calculation. The course will count for attempted and earned credits. These grades will also be used for PED classes.

### **F/D, F/F**

These are unsatisfactory grades awarded only for developmental and PED classes. The D and F indicate the level of unsatisfactory performance.

These grades are not included in the GPA calculation. The course will count in attempted credits but will not carry earned credits.

### **W – Withdrawal**

The "Withdrawal" grade is assigned when a student officially withdraws from a course. A withdrawal can only be processed during the first 80 percent of the course. No academic credit is awarded. The course will count in attempted hours. Faculty are required to provide the last date of attendance for each student who is assigned this grade.

### **Last Date of Attendance**

Faculty must provide the last attendance date for each student awarded an F or U/F grade. In addition, if faculty assign a W, the last date of attendance is also required.

### **AU (Audit)**

None (Must be issued prior to 15% of the class duration and are student-initiated only. Audited courses have no impact on GPA.

### **Place Holders**

### **SP Satisfactory Progress**

This symbol is limited to certain approved courses that extend beyond the end of a normal semester. No academic credit is awarded until the course is completed.

### **Z–No Grade Submitted**

The grade of "Z" is a temporary grade entered by the Registrar when a grade is not received from the course instructor. The "Z" grade is replaced, and credit is awarded upon the Registrar's receipt of the grade.

## Repeat Field

The Repeat Field on a transcript will be marked I – Include in hours and GPA calculation, A – Exclude from earned hours and GPA calculation or E – Exclude from earned hours but count in GPA calculation.

## CCC Online Grading Systems

The Community Colleges of Colorado approved the following grading system for online courses.

GRADE	QUALITY POINTS
A	4
B	3
C	2
D	1
F	0

### S (Satisfactory)

No Quality Points ("S" grade of C or better—no impact on GPA)

- Approved only for selected, approved courses.
- A request for the S/U option must be submitted to the registration office prior to the first day of class.
- No S/U course may be applied to the AA/AS degree except for physical education courses.

### U (Unsatisfactory)

No Quality Points are given.

### I (Incomplete)

No Quality Points are given. To qualify for an Incomplete, the student must have completed 75 percent of the course work with a grade of "C" or better within the timeline set by the instructor, but no later than one semester following the posting of the "I" grade.

### W (Withdrawal)

No Quality Points are given. The withdrawal must be initiated by the student or instructor, and the process must be completed (paperwork submitted and approved by X, Y, and Registrar) before 80 percent—of the course's entire duration—is complete

### AU (Audit)

No Quality Points are given. Audits are student-initiated only must be issued prior to 15% of class duration and have no impact on GPA. Students can contact the Records Office to request an Audit form.

### Z (None)

(No grade reported).

## Grade Point Average Calculations

The college employs a system of grade points for rating the student's scholastic achievement.

The following point scale is used; A-four points for each credit; B-three points for each credit; C-two points for each credit; D-one point for each credit; F-0 points for each credit. "S" and "U" will count in attempted and earned credits but will not be included in GPA calculations. The following example illustrates how grade points are calculated.

SUBJECT	GRADE	CREDITS	X	GRADE POINTS	QUALITY POINTS
English	B	3	X	3	=9
Band	F	(1)	X	0	=0
Biology	D	4	X	1	=4
Spanish	C	5	X	2	=10
History	A	3	X	4	=12
<b>TOTAL</b>		<b>16</b>			<b>=35</b>

Total Credits Earned.....15

Grade Point Average..... (35 divided by 16) = 2.1875

The cumulative average is obtained by dividing the total number of quality points accumulated at a given time by the total number of credits undertaken while they are being earned.

Physical education activity classes do not have grades computed in the academic grade point average. Grades earned in college preparatory courses are not computed in the academic grade point average.

Grades awarded for developmental courses (as defined by CCHE as Basic Skills courses) will not be included in a student's grade point average (GPA). Grading for developmental courses will utilize the developmental grade mode (S/A, S/B, S/C, U/D, U/F). The credits will count toward earned and attempted credits. GPAs for term recognition such as President's List, VP List, and Dean's List will not include developmental courses in the calculation.

## Mid Term Assessment

All students are assessed near the middle of each term.

This academic assessment provides the student with a midterm grade review to plan needed improvements before final exams. All students assessed at a D or F grade level may be contacted for a referral to the Counseling Services or Monahan Learning Center.

## Final Exams

Final exams are held in all subjects according to the published schedule. No examinations should exceed two hours in length. Should any unusual circumstances require a special examination at a time other than the scheduled time, special authorization must be approved by the Department Chair and instructor involved.

## Scholastic Honors

Northeastern promotes and encourages scholastic achievement. Students who earn a Term Grade Point Average (TGPA) of 3.50 - 3.749 while carrying a minimum of 12 credits within one semester will be listed on the Dean's List. Students who achieve a Term Grade Point Average (TGPA) of 3.75 - 3.99 while carrying a minimum of 12 credits within one semester will be listed on the Vice President of Academic Affairs List. Students who achieve a TGPA of 4.00 while carrying a minimum of 12 credits within one semester will be listed on the President's List. This honor roll is published each semester.

Students with incomplete grades for the semester are not eligible. S/U grades and grades for Developmental Education coursework are not included in the Grade Point Average Calculation. Students must complete a minimum of 12 eligible credit hours in the term to be considered for Term Academic Honors.

## Phi Kappa Theta/PTK

PTK consists of student members who have completed at least 12 hours of associate degree course work with a cumulative GPA of 3.50. Membership is by invitation only.

## Athletic Scholastic Honors

Students with a minimum of twelve credits with a cumulative GPA of 3.50 and participating in athletics are given to students. Each scholastic honors athlete receives a certificate denoting this achievement.

## Due Process for Grade Change

### Purpose

A final grade must remain a professional educational decision made strictly by the faculty member and must have the complete support and backing of the college. The integrity of the college's academic standards depends upon the grading procedures of the individual faculty member. A change of a final grade results from a personal and private appeal from the student to the faculty member.

The following procedures aim to keep the ultimate control of the final grade with the faculty member and protect the faculty member and the college from requests that do not meet a minimum standard. The baseline of a grade change request should involve unusual and mitigating circumstances to allow the faculty member to reconsider the decision involving a final grade in question. The following conditions and procedures are required for any grade change request.

## Requirements for a Grade Appeal

The student must have written academic materials or information supporting an appeal. This information must be material that the faculty member could have, by some error, misplaced, overlooked, or not included in the final grade. Other materials that assist an appeal would be schedule modification or withdrawal from college forms.

The appeal must be based upon documented material and not a challenge to the faculty member's judgment.

The appeal must be initiated within ten (10) college workdays after the start of a new grading semester. Summer is considered a grading semester.

An appeal requested ten days after the first class day of the next semester will not be considered.

The instructor of record for the class must be a continuing full-time or part-time college employee. If the instructor of record is no longer an employee of the college, then an appeal for a grade change can only be resolved through a Department Chair.

Only the student with unusual and mitigating circumstances for the request may initiate the appeal. Other parties may assist but cannot make the appeal or presentation materials for the student.

## Conditions of a Grade Appeal (Final Grade Only)

Conditions for a grade change appeal include, but are not limited to, the following examples:

The grade resulted from mistaken identity, or a student was given a grade intended for another student.

The instructor inadvertently recorded the wrong grade for an assignment or failed to record a grade for a test, paper, or project. The student subsequently produced the original assignment, paper, or test results for reconsideration.

The grade was based upon the criteria of attendance, and the student documents claim they attended the class sessions as required, yet the instructor has attendance records that are different from the student's records.

## Grade Appeal Procedures Informal Resolution

The student should request a private discussion with the instructor to present the reasons for an informal resolution to the grade change request.

The instructor can make the grade change or reject the request without further action; no written response is required.

1. An informal resolution by the instructor must be completed within ten (10) days of the student's initial request. A non-response within ten days by the instructor of record is considered a rejection of the appeal unless the instructor of record is unavailable.
2. If the student feels the decision by the instructor of record was unfair and was not based upon current college grading practices, then a request for a formal resolution can be filed.
3. If the college no longer employs the instructor of record, the Department Chair will review the appeal and determine the resolution. No other action is available after the Department Chair and Vice President of Academic Affairs has reviewed the grade change request if Northeastern no longer employs the instructor of record.

## Formal Resolution for a Grade Change Request

A Formal Resolution can occur but is not limited to the following: (1) If a student has attempted an Informal Resolution with the instructor of record and feels that additional impartial staff need to review the appeal; (2) If the student prefers not to seek an informal resolution with the instructor for whatever reason and wants impartial staff to review the appeal.

## Procedures for a Formal Grade Change Appeal

1. The student can appeal the instructor's decision by obtaining a Grade Change Petition from the Northeastern Records Office. The Grade Change Petition must be initiated within the first 10 days of the next grading period. Copies of the petition will be filed with the Records Office, the Instructor, and the Department Chair. If an informal attempt has been made, the ten-day limit will begin after an informal resolution has been tabled or denied.
2. The Registrar will review the appeal and research the files for materials pertaining to the class and grade involved. The Records Office will forward all findings to the course instructor and the Department Chair. The Instructor will provide all grading materials to the Department Chair about the student and grade involved. Materials from the Records Office and the Instructor will be forwarded to the Department Chair within five days of the request.
3. The Department Chair will review all material relating to the appeal and review the best possible resolution with the Instructor. Based upon the Department Chair's review of all related materials, personal interview of the Instructor and possibly the student, the Department Chair will respond to the Grade Appeal. The Department Chair will give a written response within ten (10) days after receipt of the materials.

4. The student may appeal the Department Chair's decision to the Vice President of Academic Affairs. This appeal must include the Grade Change petition and significant and mitigating reasons for the continued appeal. The Vice President of Academic Affairs will confer with the President and respond in writing within 10 days of receiving the Grade Petition.
5. The student may appeal the VPAA's decision to a President's Academic Hearing Board. This board appointed by the President will consist of three faculty representatives, two professional staff, and three students (who could be ASG Officers or ASG Senators). The President's Academic Hearing Board chair must be selected from the membership to ensure an impartial decision. This appeal must include the Grade Change Petition and significant and mitigating reasons for the continued appeal.
6. The Hearing Board will forward a response to the President within ten days of receiving the Grade Petition. The President will respond to the student's appeal within five days of receiving the Hearing Board's recommendation. The President's response is final.

## Colorado Community College Online (CCC Online)

Colorado Community Colleges Online (CCC Online) comprises thirteen member colleges in the Colorado Community College System (CCCS). CCCOnline will be undergoing significant changes during the 2022-2023 academic year. Please watch for more information as it becomes available.

## Academic Degree Requirements

The college offers the Associate of Arts, Associate of Science, Associate of Applied Science, Associate of General Studies Degrees and Certificates in individual career/technical and general studies programs.

## Internship, On-The-Job Training and Clinical Training

These courses are supervised, cooperative education arrangements between the college and an employer. The courses provide the students with work experiences relevant to their technical program and personal career interests. The work and study calendar varies by program and may be adjusted as appropriate to individual interests, needs, or the availability of work opportunities.

The CTE Program Coordinator or OJT instructor will provide course objectives to the work centers. A weekly class session will be held between student and instructor to review assignments and course objectives. Cooperative Work Experience students and instructors will follow the same procedures.

Work experience is integral to career programs such as Nursing, Agribusiness, Early Childhood Professions, Production Agriculture, and Equine Management; therefore, certain courses have special credit hour and clock hour designations.

MINIMUM CLOCK HOURS REQUIRED	SEMESTER CREDIT HOURS
320	8
200	5
160	4
80	2

\*One credit is given for each 40-contact hours of work.

## Cooperative Work Experience

Cooperative Work Experience offers an extension and application of classroom instruction through the college and an employer who supervises work experiences closely related to the student's educational and career plans. The student's faculty advisor, department chair, and cooperative education coordinator must approve job placement and credit allocation.

Cooperative Work Experience has special credit hours and clock hour designations. A minimum of 40 clock hours of work experience is required for each semester credit hour.

MINIMUM CLOCK HOURS WORKED	SEMESTER CREDIT HOURS
240	6
200	5
160	4
120	3
80	2
40	1

CWE 187 indicates freshman cooperative work experience enrollment, and CWE 287 indicates sophomore enrollment. The designation a, b, c, and d indicate first, second, third, or fourth enrollment in cooperative work experience per year.

Cooperative Work Experience credit may be applied toward certificate or degree requirements with the following limitation:

1. A maximum of 8 credit hours (per semester) of cooperative work experience may be applied toward graduation requirements.
2. Cooperative Work Experience credits are general electives and may not replace general education requirements or required courses for a major(s)

Benefits to the student include:

1. Enhanced learning through practical work experience related to the individual's major area of study.
2. Work experience becomes a part of the student's permanent record (college transcript) and may be valuable when seeking future employment.
3. The grades earned are included in the student's cumulative grade point average.
4. A high school student may enroll in Cooperative Work Experience with the approval of the student's faculty advisor, department chairperson, and cooperative education coordinator. This approval must be granted prior to enrollment in Cooperative Work Experience.
5. Wages earned.

## Independent Studies

Independent study provides an opportunity for the above-average student to do independent research in areas not covered in the regular curriculum or explore a topic covered in a class in much greater depth. A supervising faculty member must arrange each independent study project in advance. The standard tuition charge will be assessed. A maximum of four (4) credit hours may be applied toward graduation requirements.

## Prior Learning Assessment (PLA)

"Prior Learning" is non-college learning that has been attained outside the sponsorship of accredited post-secondary education institutions.

Prior Learning Assessment (PLA) includes learning acquired from work and life experiences, community and volunteer extension courses, individual study and reading, civic, community, and volunteer work, and participation in informal courses and in-service training sponsored by associations, businesses, government, professional organizations, and so forth.

PLA is not awarded for EXPERIENCE but for college-level LEARNING, which entails knowledge, skills, and competencies that students have obtained as a result of their prior learning experience.

Prior Learning Assessment Credit may be awarded by a variety of methods that include:

1. Standardized Tests.
  - a. College Level Examination Program (CLEP).
  - b. Advanced Placement (AP).
  - c. International Baccalaureate (IB).
2. Institutional Challenge Examinations.
  - a. Examination equivalent to the comprehensive final exam
  - b. Examination may be written, oral, demonstration, or a combination of all three.
  - c. Evaluated by an area dean or designated subject expert.
3. Published Guides.
  - a. American Council on Education (ACE) for military training and experiences.
  - b. ACE (non-collegiate) for industrial and corporate training programs.
  - c. Other published guides developed by nationally-recognized organizations.
4. Portfolio Assessment.
  - a. Portfolio requirements and assessments determined by college faculty for work or life experiences that meet the following criteria:
    - i. The learning is demonstrable.
    - ii. Includes both theoretical and applied components.
    - iii. Are at the college level.
    - iv. Are equivalent to specific college course(s) in the student's program of study.

To be eligible to apply for PLA:

1. You must be an NJC student
2. PLA credit must be directly applicable to your declared certificate or degree program as outlined in the NJC catalog
3. Prior learning must be demonstrated and cover specific core competencies
4. It is the student's responsibility to determine the transferability of PLA credits outside the Colorado Community College system
5. Your NJC transcript will show class credit only; no grades are assigned to PLA credit
6. You may receive PLA credit in any amount not to exceed
7. 75% of the total credits required for your degree or certificate
8. A student seeking PLA credit must contact the NJC Student Success Center to start the process

Official cumulative, permanent records must be established and maintained for all students who have been awarded credit from prior learning experiences. Official NJC transcripts shall designate all credit earned through the prior learning process. Such credit shall be identified with a special course prefix, course number and designated credit hour(s). All documentation used as a basis for credit awarded is to be maintained by the NJC Records Office. The Registrar and applicable faculty will evaluate prior learning credit transferred from a regionally accredited institution.

## Prerequisites

A prerequisite is a requirement - or its equivalent - which must be met before a student is admitted into a course. A prerequisite is generally another Northeastern Junior College course or a demonstrated proficiency. Prerequisites may be waived based on diagnostic testing or the recommendation of an appropriate faculty member or Department Chair.

All students at the college are expected to demonstrate proficiency in basic communication, mathematics, and reading skills necessary to be successful in college-level courses. During registration orientation sessions, basic skills are evaluated for course advising and placement for success. Previous educational records and diagnostic testing will also be considered for optimum course selection and advising.

## Resident Credit

A degree candidate must satisfactorily complete a minimum of 15 credits from Northeastern Junior College. For certificates, at least 25% must be completed in residence.

## Graduation Requirements

The catalog used during the student's first semester is the reference for determining degree or certificate completion requirements. The effective catalog may, however, be no more than six years old at graduation, i.e., if a student takes longer than six years to complete a degree or certificate, newer catalog requirements will be used. A student may elect to meet the requirements of any subsequent catalog published the previous six years from the graduation date, including the current year.

A student who has a break in college enrollment of two consecutive semesters or more, excluding the summer semester, must meet the Program Requirements of the catalog in use at the time of readmission. Any previously completed Northeastern Junior College occupational course work may be subject to an evaluation of relevancy to any revised program.

If the student previously enrolled in an occupational program that has been discontinued, the student cannot re-enroll in that program.

The college reserves the right to substitute courses for those no longer offered, to modify course content at any time, to approve the substitution of one course for another in any program or degree, or to waive any course prerequisite or co-requisite. All lower-division undergraduate credit hours awarded within the prior ten years will apply towards completing the graduation requirements. Credits more than ten years old will receive careful consideration.

In conjunction with the Department Chairs of the respective academic divisions, the Registrar reserves the right to examine courses over ten years old to determine their currency and applicability to existing curriculum and programming before credit is accepted.

## Graduation Application

Students who expect to graduate must complete an Application for Graduation by the beginning of their final semester. Applications for Graduation are available in the Office of Records, the advisor, and from respective Department Chair Offices.

## Graduation Honors

Graduation honors recognize outstanding academic achievement throughout a student's academic career at the home institution. The honors are awarded to students who complete the requirements for an associate degree, complete 30 credits at NJC, and earn a 3.5 or better cumulative grade point average at the institution. Only college-level courses completed at the institution will be included in the GPA calculation.

The three levels of recognition are defined as follows and will be posted on the student's transcript.

- Cum Laude ("with honor") 3.50 to 3.749 Cumulative GPA
- Magna Cum Laude ("with great honor") 3.75 to 3.99
- Summa Cum Laude ("with highest honor") 4.00 Cumulative GPA

## Academic Standards

### Application

The college will monitor satisfactory progress through an Academic Alert process for students who have completed fewer than nine credit hours. These students are not subject to Academic Standing.

Academic Standing applies to all students who have attempted nine or more credits at a CCCS college regardless of the number of term credits they attempt from that point forward. Academic Standing shall be applied consistently and uniformly within each CCCS institution.

All colleges will determine Academic Standing after posting the majority of term grades for each semester. Students placed on probation or suspended will be notified of their status. Suspended students will not be allowed to attend any CCCS college in the subsequent semester(s) unless an appeal is approved. Academic Standing status will be noted on the advising, official and unofficial transcripts. A student's Academic Standing is not specific or limited to the home institution and impacts a student's enrollment at other CCCS colleges.

### Principle

Designates a practice for measuring and notifying students of their academic standing.

#### Guideline

Recognizing the value of measuring academic progress for all students, the Colorado Community College System (CCCS) has established the following practice and procedures for measuring and notifying students of their academic standing. This procedure is intended to be informational and helpful but also establishes clear standards of academic progress that must be met and maintained to be a successful student in our colleges.

CCCS colleges are encouraged to devise and implement appropriate Academic Alert strategies early in the term to assist students experiencing academic difficulties. A student's academic standing at one college will impact academic standing at another CCCS college.

## Definitions

Only college-level classes are used to calculate term and cumulative GPAs. This includes summer term courses. Only courses taken "in residence" will be used for this procedure. "In residence" means taken at the student's home institution. Courses taken elsewhere and transferred in do not apply. The GPA calculations for this procedure may not match those used for financial aid purposes or athletic eligibility. Cumulative Grade Point Average is abbreviated as CGPA. Term Grade Point Average is abbreviated as TGPA.

### Practice Standards:

#### Initial Standing

The student has attempted fewer than nine cumulative credit hours with a CGPA => (i.e., equal to or greater than) 2.00 for all classes completed.

#### Academic Alert

The student has attempted fewer than nine cumulative credits with a CGPA < (i.e., less than) 2.00 for all classes completed.

#### Good Standing

The student has attempted at least nine cumulative credit hours and has a CGPA => 2.00 for all classes completed.

#### Probation

The student has attempted at least nine cumulative credit hours and has a CGPA < 2.00 for all completed classes.

#### Returning to Good Standing

By the conclusion of the Academic Probation term, the student must raise their CGPA to at least 2.00. If this condition is met, the student returns to Good Standing.

#### Probation (Continuing)

If a student on Academic Probation earns a TGPA of at least 2.00 for all classes attempted during the term but fails to raise their CGPA to at least 2.00 for all classes attempted. In that case, the student will be allowed to attend the next term but remains on Academic Probation.

#### Suspension

If a student on Academic Probation earns a TGPA of less than 2.00 for all classes attempted. In that case, the student will be suspended and not be allowed to enroll at any CCCS college for the next term, excluding the summer term (as the summer term may not be used as a "suspension term").

#### *Suspension Rules:*

1. Summer term may not be used as a "suspension term."
2. Summer term may be used to remediate (improve) the GPA. If a student wishes to enroll for summer term after being suspended they will need to follow their home institution's process.
3. Initial suspension is for one term, excluding summer term.
4. A second suspension is for two terms, excluding summer term.
5. If a student, who has served the suspension time for initial or second suspension, wishes to return, the student will be allowed to re-enroll only after meeting with an academic advisor at the CCCS College that the student wishes to attend. The student will be placed on Academic Probation.
6. A third suspension is for two full years or four academic terms, excluding summers.
7. If a student who has served the third suspension time of two years wishes to return, the student must meet with an advisor from the CCCS College the student wishes to attend to remove their suspension hold.

### *Suspension Appeals:*

1. Students may appeal their suspension based on procedures identified in the Northeastern Academic Standards Handbook.
2. If the student's suspension appeal is approved, the student will be placed on Academic Probation.
3. If the student's suspension appeal is not approved, they may be dropped from all courses registered for in upcoming terms at their home college. Students are ultimately responsible for their enrollment and must check their enrollment schedule for accuracy.
4. The student needs to check with Northeastern Student Services regarding enrolling for summer term classes.

## Academic Appeal Procedure

Any student suspended for the next semester has the right to appeal. The following procedures will be followed:

After notification of suspension, the student must write a letter for reconsideration of this action to the Chair of the Academic Standards Committee requesting to be re-admitted on academic warning, stating all reasons for this consideration. This letter must be received before the academic standards review date.

The Academic Standards Committee will review the student's academic record and appeal letters. The chair will consider the committee's recommendation and inform the suspended student in writing if re-admittance is approved or denied.

The Academic Standards Committee can require a re-admitted student to take a specific course load, take the success seminar, assign counseling, or study skills. Weekly progress checks can also be part of the re-admittance requirements.

Any re-admitted student who shows little or no academic progress (more than two D or F grades at midterm) based upon the midterm report of the re-admit term may be administratively withdrawn and placed on suspension.

## Academic Assistance - Full-Time Students

All full-time students (enrolled in more than 12 credits) placed, continued, or re-admitted on Academic Warning are required to do the following:

1. The student may be scheduled for up to eight (8) weekly success appointments or enroll in a student success seminar as determined by the Student Guidance Coordinators.
2. The student may be assigned weekly study skills assistance in the Monahan Learning Center with tutors or help sessions as determined by counseling/or study skills evaluation.
3. The student will continue the counseling appointments and study skill assistance in the Monahan Learning Center if academic progress is insufficient by mid-semester.

## Academic Assistance - Part-Time Students

All part-time students (enrolled in fewer than 12 credits) placed, continued, or re-admitted on Academic Warning are required to do the following:

1. Consult an academic advisor or Student Guidance Coordinator to review the student's academic transcript and plan tutorial or personal assistance before completing preregistration for additional classes.
2. Receive an academic advisor's or Student Guidance Coordinator's approval to enroll in any classes while on academic warning.

3. Part-time students enrolled in day or evening classes at locations that are not on the campus of NJC Sterling (e.g. Yuma, Haxtun, Holyoke) are encouraged to seek weekly progress appointments with a Student Guidance Coordinator to enroll in a student success class or request tutorial and study skill assistance at a convenient place and time.

## Satisfactory Progress - Financial Aid

Because of increased demands from the public and federal and state authorities, regulators are placing increased accountability standards on colleges and universities. One of these standards is a satisfactory academic progress policy for financial aid recipients. The policy monitors three different aspects of a student's academics: 1) Course Completion Standards, 2) Qualitative Standards, and 3) Quantitative Standards.

## Academic Progress - Summer Term

No matter when the suspension was instituted, a first-year student on academic suspension may enroll for the summer term. If the student on academic suspension achieves above 1.50 GPA for the summer term, earning five credit hours or more, the suspension is changed to an academic warning. The student could continue the next academic term on academic warning.

## Academic Assessment Program

General education at Northeastern leads students to career, technical, and transfer competencies. The skills and abilities developed through general studies enable students to pursue personal, professional, and academic goals. Student learning is designed to enhance three institutional Goal Areas identified by faculty and staff at Northeastern: Communication, Thinking, and Career & Life Skills. Therefore, students who graduate from Northeastern will demonstrate proficiency in those Goal Areas.

## Student Services

Student Services at Northeastern provides a variety of essential services, programs, and learning support for all students and staff. Student Services provides the "out of class" support and social environment to enhance academic and personal achievement. Student Services programs develop student access to leadership programs, residence halls, athletics, intramurals, financial assistance, student activities, and student government. The college encourages and promotes participation and utilization of the following services and activities.

## Campus location and phone numbers

*Vice President Student Services* (Student judicial affairs, enrollment and retention, and student advocacy) – Hays Student Center Room 113, ext 6657

*Student Government* (Associated Student Government (ASG), Campus Activities (CAB), Senate) – Hays Student Center, Room 113, ext 6655

*Admissions* (New student admitting, recruiting processes, and campus visits) – Hays Student Center, Room 105, ext 7000  
*Student Success Center* (Academic Advising, Student Guidance Coordinator, Career Planning, Assessment, Placement Testing, Transfer Advising, Colorado Opportunity Scholarship Initiative-COSI) – Hays Student Center, Room 104, ext 6663

*Financial Aid* (Student financial assistance, scholarships, grants, loans, work-study, and Veterans Administration benefits) – Hays Student Center Room 102, ext 6800

*Food Service* (Contracted operation for cafeteria; Pete's Retreat Snack Bar) – Hays Student Center Room 103, phone 970-522-9063

*Health Services* (Services provided at the Family Care Clinic) – 615 Fairhurst, or 103 Hays Avenue, Sterling, CO 80751 phone 970-521-3223

*Residence Life* (Residence hall contracts, meal plans, room assignments, and residence hall activities) – Hays Student Center, Room 113, ext 6608

*Records* (Registration, add, drop, withdrawal of courses, grade processing, official transcript issuing, graduation and commencement, transfer credit evaluations, graduation evaluations, athletic eligibility, and change of major). Hays Student Center, Room 102, ext 6700

*Bookstore* (Textbooks, supplies, clothing, and gifts) – Hays Student Center, Room 106, ext 6678

*Campus Safety* (Clery Act, Life and Fire Safety information and emergency notifications) – Walker Hall, Room 20A, ext 6683

## Residence Life - Housing

### Residence Halls

Each residence hall is under the leadership of a professional Residence Hall Director or Resident Assistant staff. The staff is carefully selected and receives extensive training. Together they provide a living and learning community whereby each resident has the opportunity to make new friends, grow individually, and receive support for their academic endeavors.

### Residence Life Policy

All first-year students with fewer than thirty (30) semester credit hours earned are required to live in the residence halls for two semesters or until thirty (30) semester credits are earned. First-year students who are exempt from the housing policy are:

1. Over twenty-one years of age
2. Married
3. Have minor dependent children
4. Commuting to Northeastern from a parent or guardian's residence within a 60-mile radius.

### Contract

The Residence Hall Contract, from the beginning date of the contract period, binds the resident to the length of the contract. All students residing in the residence halls are required to purchase a meal plan in conjunction with the Residence Hall Contract.

Students may choose between the following meal plans:

- 10 meals plus 150 flex points
- 14 meals plus 100 flex points
- 19 meals plus 50 flex points
- 75 block meals plus 150 flex points
- 100 block meals plus 100 flex points

Off-campus students may purchase meals daily or purchase a prepaid meal plan.

### Room Assignment Policy

All residents must pay a \$150.00 room deposit and complete a contract to reserve accommodations. Colorado law requires college students born since January 1, 1957, to be immunized against measles, mumps, and rubella. All students under the age of 19 must show proof of immunity if they attend a college or university with on-campus housing.

For all public and non-public post-secondary institutions in Colorado, state law requires that each incoming first-year student residing in student housing or any student who the institution requires to live on campus must submit to Northeastern proof (i.e., a standard certificate indicating immunizations were administered to the student) of immunization, or the student must sign a waiver stating they have reviewed information on meningococcal disease and acknowledge the potential health risks associated with bacterial meningitis or meningococcal disease and have decided not to receive the vaccination. If the student is under the age of 18 years, the student's parent or guardian provides this information.

### Contract Release

The Residence Hall Contract is a legally binding document for services rendered or reserved. The Department of Residence Life realizes, however, that circumstances may change once students move into the residence halls, and for this reason, STOP the following guidelines will govern a contract release request:

- **Medical:** The student has developed a specific medical situation that prevents them from fulfilling the terms of the contract. A medical verification that specifically states the nature of the medical situation and why it contributes to the student's contract release request must be supplied by a health care professional (on a doctor's letterhead with signature) and must accompany all requests for a release based on medical reasons.
- **Financial:** The student's financial situation had undergone an involuntary change that was beyond the control of the student when they first signed their Residence Hall Contract. The Financial Aid Office must supply a Student Financial Profile for all financially related requests.
- **Extenuating Circumstances:** These include situations, other than financial or medical, which the student feels warrant a release from their contract. Examples of extenuating circumstances include an upcoming marriage, a counseling-related issue, etc.

Students who move out without meeting the Director of Residence Life & Student Activities or without meeting the contract release guidelines will forfeit their damage deposit and one-half of their housing fee. There will be no room refunds after eight weeks of the semester.

### Refunds of Room Deposits

1. Housing deposits of \$150.00 will be refunded only under the following procedure:
2. A full refund will be granted if notice of cancellation is postmarked and mailed to the Northeastern Department of Residence Life Office by July 1st for the fall semester or 30 days.
3. A full refund for the spring semester is allowed if the same procedure is followed, i.e., by December 1st or 30 days.

### Food Services

The college has one main cafeteria that seats three hundred people with the option of banquet facilities to accommodate four hundred fifty persons in the Student Center Ballroom. The college contracts the food services operation to a private company; the current vendor is Aladdin.

Northeastern requires all student residents to contract for a meal or board plan while living on campus.

Each student is issued a photo ID that has their meal plan encoded; the ID card gives the student access to the cafeteria for the meals selected.



The cafeteria is open the days the residence halls are open and closed for the major breaks, such as between semesters and spring break.

The food service company strives to serve students with various menus, quality service, and unlimited seconds for most meals. Special catering is available upon request for any location on campus. Purchasing food catering or food service from vendors other than the contracted food service company is prohibited.

## Academic Standard for Returning Residence Hall Students

Returning students wanting to reside in the residence halls must have at least a 2.00 CUM GPA. Incoming first-year students will have a year to show sufficient academic progress for continued residence on campus.

## Health Services

The Family Care Clinic serves Northeastern students. It is located at 615 Fairhurst in Sterling or 102 Hays Avenue (depending on the Doctor seen). The Clinic is fully staffed and provides front-line health care. Full-time students (12 credit hours or more) may be seen by staff without charge. Other minimal fees are assessed to all patients to cover the cost of materials such as strep screening, urine screening, lab procedures, and supplies such as braces, condoms, bandages, etc. You can reach the Family Care Clinic at 970-521-3223.

## Associated Student Government

All students are encouraged to participate in student clubs and organizations for their personal growth and recreation. The Hays Student Center has student-designated areas of the Legislative Chambers, Student Government Office, and various meeting rooms and lounges. Northeastern recognizes the satisfaction and the contribution to personal and social development from participation in group activities outside the classroom. The central control system of student activities is placed in the hands of the students through their duly elected representatives in the Associated Students of Northeastern, which includes all students and operates under a constitution adopted by students.

## Associated Student Government (ASG)

Membership includes every member of the student body. Associated Student Government of Northeastern is headed by officers elected by the student body and functions through representatives of the academic divisions and chartered organizations. Any member of the Associated Students of Northeastern is welcome to attend the weekly meetings of ASG and may participate in the business meeting. ASG concerns itself with student affairs and campus life.

## Campus Activities Board (CAB)

The Campus Activities Board is composed of representatives from all organizations on campus and is chaired by the second vice president of the ASG. This board correlates campus activities and allocates student activity funds set aside by Student Senate for campus life.

## Student Senate

The Student Senate is composed of full-time students elected proportionally from the academic and occupational divisions of the college and headed by the first vice president of ASG. Its responsibilities include legislation concerning all students, allocating student activity funds to the Campus Activities Board for student activities, and all other expenditures, including publications and special requests.

## Committee

The College Constitution Committee rules on all questions concerning the student constitution and bylaws. The members are appointed by the President of ASG and confirmed by the Student Senate. Students also have an opportunity to participate in all-campus committees, which include students as voting members. The Constitution Committee, Finance Committee, Election Committee, and Food & Banquet Committee are among these. The organizations listed have been active in recent years. Interested students under authorized constitutional procedures may start additional organizations each year.

## Chartered Student Organizations & Student Clubs

**Aggies** Contact Person: Larry Pollart; 521-6640

**Ambassadors** Contact Person: Camille Rose; 521-6952

**Art Club** Contact Person: Celeste Delgado-Pelton; 521-6754

**Associated Student Government** Contact Person: Tim Stahley; 521-6655

**Auto Tech Club** Contact Person: Layton Peterman; 521-6794

**Book Club** Contact Person: Donna Brady-Lawler; 521-6725

**Campus Activities Board** Contact Person: ASG 2nd Vice President; 521-6628

**Choir and Contemporary Choir** Contact Person: Celeste Delgado-Pelton; 521-6754

**Concert Band and Jazz Band** Contact Person: Lee Lippstrew; 521-6713

**Cosmetology** Contact Person: Julie Rhine; 521-6734

**Criminal Justice** Contact Person: Celeste Delgado-Pelton; 521-6754

**Debate Club** Contact Person: Celeste Delgado-Pelton; 521-6754

**Diesel Power Club** Contact Person: Jason Rohm; 521-6692

**Equine Club** Contact Person: Cole Briggs; 522-6913

**Honors Program** Contact Person: Jessica Harder; 521-6721

**Intramural Sports** Contact Person: Jill Yocom; 521-6621

**Livestock Judging** Contact Person: Lindsey McPeake; 521-6638

**Math and Science Club (AKA Outdoor Recreation)** Contact Person: Cory Gaines; 521-6720 and Rachelle Davis; 521-6767

**Nursing (ADN)** Contact Person: Alexes Ertle; 521-6701

**Outdoor Recreation** Contact Person: Rachelle Davis; 521-6767

**Peer Helpers** Contact Person: Jessica Harder; 521-6721

**Philosophy Club** Contact Person: Clint Rothell; 521-6764

**Phi Theta Kappa (PTK)** Contact Person: Jeri Garrett; 521-6654

**Residence Life** Contact Person: Tim Stahley; 521-6655

**Rodeo Club** Contact Person: Brian Cullen; 521-6609

**Senate Contact** Person: ASG 1st Vice President; 521-6627

**Student-Athlete Advisory Council** Contact Person: Brian Schaefer; 521-6614

**Theatre Productions** Contact Person: Nathan Robinson; 521-6706

## Athletics

### Intramurals

Intramural Sports. (Competition within the student body) are set up on a team, dual and individual basis. Intramural sports stress maximum participation, good sportsmanship, and freedom to choose activities.

### Intercollegiate Athletics: Men and Women

Varsity Sports: Varsity sports are coordinated by the Director of Athletics. Northeastern is a member of the Region IX of the National Junior College Athletic Association. Current sports are women's volleyball, men's and women's basketball, baseball, women's softball, men's and women's soccer, men's and women's golf, and wrestling. Participants in these activities have an opportunity to develop athletic prowess, leadership ability, and skills in working with others in the accomplishment of a common goal.

## Student Success Center

### Advising

Advising is required for new students in degree or certificate programs and is strongly recommended for all other students. Advising is done by the student's assigned faculty advisor (with services provided by the Student Success Center if the faculty advisor is unavailable). The following services are provided:

- Explanation of basic skills (placement) results and assistance in selecting classes to resolve any academic deficiencies.
- Help in choosing and registering for classes for the first semester of enrollment.
- Information on course sequence and prerequisites.
- Help in adding or dropping classes.
- Assistance with changing a course of study or faculty advisor.
- Advising on classes when a faculty advisor is not available.
- Advising on transferring to a four-year institution.

### Student Guidance Coordinator

Between classes, work, family, finances, and regular life events, college students encounter a great deal of stress throughout their education. While most students cope successfully with the demands of college life, for some, the pressures can at times become overwhelming and unmanageable. At those times, the Student Success Center offers support and referrals.

## Career Coach

The Career Coach assists students with clarifying their career goals, choosing the Northeastern education program that fits their needs best, and mapping their path to the chosen course of study. Once the course of study is selected, students are helped to choose the appropriate courses to meet their goals. The following services are provided:

- Career coaching (individual and group) to help with decision-making, goal setting, and choosing a college course of study.
- Career assessments to match personal characteristics with occupational options.
- Assistance with career or job placement skills.
- Resume, cover letter, and interview prep.

## Colorado Opportunity Scholarship Initiative (COSI)

The Colorado Opportunity Scholarship Initiative was created to increase the attainment of post-secondary credentials and degrees for underserved students in Colorado. The project addresses the challenge of post-secondary attainment in two ways: accessibility and affordability. To increase accessibility, the Scholarship Initiative funds programs that will help prepare students for post-secondary education and support them through completion. To increase affordability, the Scholarship Initiative provides tuition support via matching funds for community scholarships, so tuition costs are not a barrier to entry, and student loan debt can be mitigated. By increasing student success programs and financial resources, the Scholarship Initiative's efforts will result in greater post-secondary access, persistence, and completion for Coloradans."

Our COSI staff provides services to Northeastern's COSI Scholarship recipients and travels to 7+ high schools in our five-county service area to assist high school students with:

- Academic Advising (including concurrent enrollment)
- Family Engagement Events and Resources
- Financial Aid Assistance: FAFSA and Scholarship Completion
- Career Exploration
- College Exploration Services
- College Major Advising
- College Enrollment and Transition Process
- Career-Ready Services: Job Search, Resumes, etc.

## Behavioral Intervention Team

The Northeastern Behavioral Intervention Team (BIT) is a trained group of caring Northeastern faculty and staff professionals who meet regularly to support our students via an established protocol. The team tracks "red flags" over time, detecting patterns, trends, and disturbances in individual or group behavior.

The team receives reports of disruptive, problematic, or concerning behavior or misconduct (from faculty and staff members, students, community members, friends, etc.) and conducts an investigation, performs a threat assessment, and determines the best mechanisms for support, intervention, warning/notification, and response. The team then activates the college and community resources and coordinates follow-up. BIT is a specific model that has no parallel.

The Northeastern BIT is made up of the following campus personnel: Vice President of Student Services, Athletic Director, Psychology Instructor, Student Success Specialist, Transition Specialist, Director of Academic Support Services, Director of Student Success, Director of Residence Life and Student Activities, Student Guidance Coordinator and Campus Safety Coordinator. For more information, contact the Vice President of Student Services at 970-521-6657.

## Student Success Specialist

The Student Success Specialist provides academic Advising, mentoring, and support for students, with a special emphasis on those from historically under-served and under-represented groups. This position also coordinates New Student Orientation and Early Alerts, which include faculty referrals to assist students identified as "at-risk" of failing a class.

## Testing Center

The testing center administers placement testing and certification tests to students and the community.

## Concurrent Enrollment for High School Students

Northeastern's Concurrent Enrollment Program allows high school students to enroll in college courses concurrently. High school students earn both high school and college credits. Concurrent credits earned through Northeastern are recorded on a Northeastern transcript.

Students must be approved by their high school for enrollment in concurrent enrollment courses. Guidelines for student eligibility include:

1. Demonstration of readiness to take college courses employing acceptable assessment scores.
2. Demonstrate the skills or knowledge necessary to succeed in the concurrent enrollment course through previous high school work.
3. Completion of all high school and college prerequisites.

Please check with your local school district regarding their policies concerning concurrent enrollment.

Northeastern's Concurrent Enrollment program:

- Lowers the initial higher education cost by providing each student college credit at low or zero cost.
- Prepares students for a smooth transfer to college by providing the experience of being a college student.

All courses administered through Northeastern's concurrent enrollment program conform to college academic standards of rigor and Colorado Community College System (CCCS) curriculum outcomes.

Concurrent enrollment courses can be applied towards a degree or certificate at Northeastern or can be transferred to another college or university.

For more information about Northeastern's concurrent enrollment program, contact the Student Success Center at (970) 521-6663 or the Office of Concurrent Enrollment at (970) 521-6675.

Concurrently enrolled students and their high school counselor will need to work with Northeastern to develop a post-secondary educational plan.

1. Students who have earned 12 college credit hours are encouraged to meet with a Northeastern advisor to help ensure classes fit their degree plan.
2. For our CE students to fully experience high school opportunities and college experiences, Northeastern strongly encourages high school concurrent enrollment students to take no more than 17 college credit hours per semester.

## Monahan Learning Center

The Monahan Learning Center (MLC), located in Knowles Hall, meets the individual academic needs of any Northeastern student. The MLC staff is committed to every student's success regardless of their major or subject area.

The MLC provides academic and personal support services to approximately 1,300 students yearly, including preparatory classes, workshops, study groups, personal tutoring, and accommodations for disabilities.

A full-time, professional staff provides a friendly atmosphere where students can work one-on-one and in small groups to help students achieve the best possible academic performance.

Professional Instructional Specialists tutor students in all majors for courses offered on the Northeastern campus.

Students selected for their high-grade point averages and demonstrated academic performance in their majors provide high-quality tutoring services from a student-to-student point of view.

## Personal Tutoring

Personal tutoring may be scheduled with either Instructional Specialists or Learning Assistants. Tutoring appointments typically run 30-50 minutes and focus on course subject matter, test preparation, and study skills. Surveys show that students consider tutoring a key to academic success. Study groups and personal tutoring are based upon student preparation for each session and active student participation. Personal tutoring has enhanced students' success in upper-level courses, including biology, chemistry, and advanced mathematics. Students may make tutoring appointments in person or by calling the MLC. One-time and permanent appointments are available.

## Study Groups

When several students in the same class request academic assistance, Instructional Specialists and Learning Assistants form small study groups, the groups may occasionally meet—just before exams and major assignments—or on a regular, weekly basis. The study groups require that students prepare for each session (completing reading assignments or textbook exercises) and participate in discussions. Historically study groups have greatly enhanced student success in challenging subjects such as sociology, psychology, and algebra.

## Math and Excel Writing Center

The Excel Center is an additional place for students to get help from a tutor or instructor, study on their own, or work with friends.

The Excel Center offers walk-in tutoring during our hours of operation for math and writing; it's also a great place to study or collaborate on projects. The Excel Center offers drop-in writing consultations during hours of operation geared to help students whether they are brainstorming, planning, drafting, revising, or editing a writing project. Students are welcome to check out a laptop or bring their own device to work on homework. Individual appointments for extra assistance, or personal tutoring, are available through the MLC tutoring center.

## Workshops

Workshops offered in the MLC, residence halls, and classes at faculty members' requests provide students opportunities to learn strategies for time management, test-taking, memory

improvement, and other topics, such as resume writing, decision-making, and financial literacy.

## Accommodations for Disabilities

Northeastern is committed to serving students with disabilities. The MLC's Transition Specialist works with students to document their disabilities and make accommodations so that students can pursue their chosen program of study. Students who have received special services for disabilities during their K-12 school years or at other institutions are strongly encouraged to contact the Transition Specialist.

Students must take two critical steps to receive accommodations for disabilities: 1) identify themselves as disabled students and 2) provide documentation, if available, of their disabilities. To complete these steps students should contact the Transition Specialist at 970-521-6727.

## Monahan Library

Located in Knowles Hall, Monahan Library houses a comprehensive collection of approximately 35,000 published, recorded, and electronic items to help students complete assignments and expand their educational opportunities. These materials include books, DVDs, videotapes and compact disks, pamphlets, microforms, over 70,000 eBook titles, and various full-text online databases. The Library subscribes to 98 periodicals, including local and regional newspapers. A computer lab with Internet access, WiFi, word processing, and other software programs are available for student use. Laptops and Kindles are available for checkout.

The Library provides a computerized online catalog, which can be accessed via the Northeastern web page.

Material not owned by the Library can be ordered electronically through inter-library loans. Periodical articles are generally procured within 2-3 business days. In addition, courier deliveries expedite inter-library loans of books and other materials from surrounding libraries. Inter-library loan services are free to Northeastern students.

Library staff members are available for reference assistance.

Library instruction tutorials for the web catalog and databases are available at <http://www.njc.edu/Library/Tutorials>.

## Adult and Community Education

Adult Basic Education (ABE) is available to anyone 17 years or older who is not enrolled in another school under the Department of Education. ABE guides students in developing their reading, writing, mathematics, social studies, and science skills and prepares them to test for the General Education Development (GED) diploma.

Students begin a program of study leading to GED completion by attending an assessment and orientation day that places them at the appropriate beginning academic level. The length of time to GED completion varies from student to student. Students utilize traditional classrooms and individualized instruction. Distance learning options are available for students who meet eligibility requirements. Childcare is available for adult education students enrolled in the ABE or GED preparation program.

The Adult Basic Education program is also designed to assist students in making the transition from GED completion to enrollment in a degree or certificate program at Northeastern. Contact 970-521-6793.

## GED (High School Equivalency Diploma)

The GED Testing Center, located in Hays Student Center, serves as an authorized center for the High School Equivalency Diploma

Test for Northeast Colorado. Satisfactory scores on the GED tests will be accepted as the equivalent of a high school diploma. Students can call 877-EXAM-GED to schedule GED exams. Go to GED.com to create a profile or call (970) 521-6605.

## English as a Second Language

English-as-a-Second-Language (ESL) classes are available to students whose first language is not English. In small groups, students learn to speak, read, and write English. Students learn through conversations with their instructors and each other, writing, and assistance of computer programs designed to help students acquire written English skills.

A language skills assessment places students in the beginning, intermediate, and advanced ESL courses that experienced ESL instructors teach. Students from all over the world are enrolled in ESL classes and instructors strive to create an inviting, comfortable environment to learn. Distance learning options are available for students who meet eligibility requirements. Childcare is available for adult education students enrolled in the English-as-a-Second-Language program.

In addition to English language skills, students are supported in exploring GED completion options or degree translation to transition to Northeastern certificate and degree programs.

In addition to English language skills, students may pursue GED completion and transition to Northeastern certificate and degree programs.

Starting in August of 2022, we will be offering Microsoft Office to our Adult Ed students. This will consist of Word, Excel, Access & PowerPoint. In order to take the classes, you must remain in good standing with your GED or ESL class. This can be beneficial if you need extra skills for your current or future employment.

## Student Behavioral Expectations and Responsibilities Policy and Procedures

All students at Northeastern have equal rights and privileges as accorded by the State of Colorado.

Student Behavioral Expectations and Responsibilities Policy and Procedures

## Jurisdiction

This procedure applies to behaviors from students on a CCCS campus and CCCS-sponsored events and may apply to off-campus and online behavior when the Senior Student Affairs Officer (SSAO) or designee determines that the off-campus or online behavior affects a substantial CCCS interest. A substantial CCCS or College interest includes, but is not limited to, circumstances that disrupt CCCS or College operations, a significant negative impact on the campus community, or a detriment to the educational interests of the System or College:

- Any action constitutes a criminal offense as defined by federal or Colorado law. This includes, but is not limited to, single or repeated violations of any local, state, or federal law committed in the municipality where the System or the College is located;
- Any situation where it appears that the accused individual may present a danger or threat to the health or safety of self or others; and-or
- Any situation that significantly impinges upon the rights, property, or achievements of self or others or breaches the peace causes social disorder.

Any online postings or other electronic communication by students, including cyber-bullying, cyber-stalking, cyber-harassment, etc., occurring completely outside of the System or the College's control (e.g., not on System or College networks, websites, or between System or College email accounts) will only be subject to this

procedure when those online behaviors can be shown to cause a substantial on-campus disruption. Otherwise, such communications are considered speech protected by the First Amendment to the Constitution.

## Equity Statement

The Colorado Community College System is committed to a procedure of equity and justice. We accept the responsibility to create an environment free from discrimination.

## Procedure

### *Initiating a Conduct Process*

Any member of the System community may allege a violation by any student of the Code by reporting the matter to the appropriate SSAO. The SSAO manages reports of Code violations made under this procedure and may delegate this responsibility. Students, faculty, instructors, staff, authorized volunteers, and guests are encouraged to report behavior that potentially violates the Code or may be criminal. Formal reports can be made by completing a College incident report. If the conduct is believed to be criminal, the SSAO should immediately report the alleged violation to campus law enforcement, security, or external law enforcement.

There is no time limit on reporting violations of the Code; however, the longer someone waits to report, the harder it becomes for College officials to obtain information and witness statements and to make determinations regarding alleged violations. Anonymous complaints are permitted, though doing so may limit the College's ability to investigate and respond to a complaint effectively. Complaints, concerns, or reports without reasonable cause will not be pursued. Upon receipt of the report, the SSAO or designee shall review the matter to determine if it alleges sufficient information to support a reasonable cause that a violation has occurred. If so, the SSAO shall promptly notify the complainant (if any) and the Respondent in writing of the allegations and any interim action being imposed. Should a student withdraw from the institution prior to the conclusion of the conduct process, the College will proceed with or without the student's involvement. The SSAO will identify a conduct resolution pathway as outlined below based on the nature of the allegations and input from the involved parties. Decisions made by the SSAO shall be final unless subject to appeal. Any outcomes and restrictions imposed take effect immediately unless the SSAO agrees to delay or stay the outcome.

Proceedings initiated under this procedure are separate from civil or criminal proceedings that may relate to the same incident. Investigations or conduct proceedings by the College are not postponed while criminal or civil proceedings are pending unless otherwise determined by the SSAO.

### *Interim Actions*

The SSAO, in consultation with appropriate administrative personnel, may implement interim actions intended to protect the safety and well-being of the CCCS community; preserve CCCS property; address the effects of the reported behavior; and prevent further violations while the matter is under review or investigation. Interim actions may include, but are not limited to:

1. *Interim No Trespass*: The SSAO may issue a "Cease Communications," "No Contact," or "No Trespass" directive (also referred to as a *persona non grata*).
2. *Interim Suspension*: This interim suspension includes attending classes and events pending a final outcome. This interim suspension begins immediately upon notice

from the SSAO. In cases where a student is banned from campus on an interim basis, they will be subject to immediate arrest for trespass if they are on campus until the exclusion has been lifted. A meeting with an SSAO is then scheduled as soon as possible to determine the appropriate conduct resolution pathway.

3. Any other outcome listed in this procedure below may also be imposed on an interim basis.

In all cases in which an interim action is imposed, the individual will be given the opportunity to meet with the SSAO before such action is imposed or as soon thereafter as reasonably possible to show cause why the interim action should not be implemented. The SSAO shall have sole discretion to implement or stay an interim action and to determine its conditions and duration. Violation of an interim action may be grounds for imposition of an outcome, up to and including expulsion.

## Conduct Resolution Pathways

### *Alternative Conflict Resolution*

The SSAO, in consultation with the involved parties, may determine that informally resolving student conduct matters through an alternative conflict resolution process is appropriate to resolve the reported concerns. The primary focus during alternative conflict resolution remains the welfare of the parties and the safety of the CCCS community, but it does not involve a formal investigation.

Alternative conflict resolution includes, but is not limited to, dialogue, conflict coaching, mediation, restorative justice, or shuttle diplomacy. Alternative conflict resolution works best when students take responsibility for their actions, desire to restore the impact created in the incident, and actively participate in deciding and agreeing upon an outcome. If a resolution is reached, the matter will be closed without an opportunity for an appeal.

At any time during the alternative conflict resolution process, the SSAO may elect to initiate a formal investigation as deemed appropriate to resolve the matter. The parties can elect to cease the alternative conflict resolution process at any time before it concludes and proceed with a formal investigation.

### *Formal Investigation*

Where a formal investigation is designated, the SSAO shall investigate the allegations, provide the Respondent an opportunity to be heard, and render a decision as outlined below:

1. *Investigation*: The SSAO shall provide the Respondent an opportunity to respond to the allegations by meeting with the SSAO to discuss the allegations, submitting a written response, or both. The Respondent will have the opportunity to be advised by a personal advisor of their choice, at their expense, at any stage of the process and to be accompanied by that advisor at any meeting. An advisor may only consult and advise their advisee but not speak for the advisee at any meeting or hearing. The SSAO may remove or dismiss an advisor who becomes disruptive or does not abide by the restrictions on their participation.

The SSAO may also conduct any other investigation, such as meeting with the complainant (if any), meeting with other relevant witnesses, and evaluating relevant documents, information, and evidence.

2. *Decision*: Once the investigation is complete, the SSAO shall render a decision as to whether a violation of the Code has occurred. The determination shall be based on the preponderance of evidence standard: whether it is more likely than not that the student violated the Code. The decision shall address whether the alleged conduct

- occurred, whether and how the conduct violated the Code, and impose an outcome, if appropriate.
3. Notifying the decision in writing will be provided by the SSAO to the Respondent and any other parties involved, as appropriate. The decision will include information regarding the applicable appeals process. The decision is part of the student's educational record.

## Outcomes

The SSAO can implement the following outcomes as a result of finding a violation in the formal investigation process or as part of an agreed-upon alternative conflict resolution. These outcomes are intended to develop an educational and restorative experience for individuals engaging with the conduct process. These outcomes may also be put in place to ensure the safety of the individual and/or the CCCS community.

Outcomes will be effective immediately upon notice to the student, except that the SSAO may delay or stay the effective date, at their discretion, upon request from the student (e.g., it may be appropriate to stay an outcome pending the resolution of an appeal).

1. Loss of Privileges: The student will be denied specified privileges for a designated period of time, from one to three semesters or one academic year.
2. Building or Access Restriction: The student will be denied access to specific campus locations from one to three semesters or one academic year.
3. Restriction on Visitation Privileges: Restrictions that may be imposed on a residence hall student or non-residence hall student. The parameters of the restriction will be specified.
4. Eligibility Restriction: The student is deemed "not in good standing" with the College for a specified period of time, from one to three semesters or one academic year. The SSAO may grant specific limitations or exceptions, and terms of this outcome may include, but are not limited to, the following:
  - a. Ineligibility to hold any office in any student organization recognized by the College or maintain an elected or appointed office at the College.
  - b. Ineligibility to represent the College in any way, including, but not limited to, participating in the study abroad program, attending meetings, or representing the College at an official CCCS function, event, or intercollegiate competition as a player, manager, or student coach, etc.
5. No Contact Orders: If a "no contact" order is issued, it is the student's responsibility not to have any contact with the individual(s) named in the order, directly or through third parties, or electronically online until the SSAO officially removes the order.
6. College Housing Reassignment: Reassignment to another College housing facility.
7. Restitution: Compensation for damage caused to the College or any individual's property. This could include situations such as failing to return a reserved space to proper condition, including labor costs and expenses. This is not a fine but, rather, a repayment for labor costs and/or the value of property destroyed, damaged, consumed, or stolen.
8. Referral for Treatment-Assessment: These include, but are not limited to, alcohol or drug education programs, anger management, or other relevant assessment and treatment programs. Some outcomes may include a cost or fee.
9. College-Community Service Requirements: Completion of a specific supervised College-Community service.
10. Confiscation of Prohibited Property: Items whose presence violates College policy (pipes, bongos, weapons, etc.) will be confiscated. Prohibited items may be handled, disposed of, or returned to the owner at the discretion of the SSAO.

11. Educational Program-Project: Requirement to complete an educational or reflection project designed to support students in their understanding of the overall impact of their behavior, or a requirement to attend, present, and/or participate in a program related to the violation. It may also be a requirement to sponsor or assist with a program for others on campus to aid them in learning about the violation for which the student was found responsible. Audience may be restricted.
  12. Warning: An official notice that misconduct has occurred and-or that future specific behavior could result in more severe restrictions, conditions, and outcomes.
  13. Probation: A period of time in which the privilege of continuing as a student is conditioned upon meeting certain requirements. Any violation or failure to comply with restrictions while on probationary status could be escalated for further outcomes, including removal from CCCS. Additionally, students on probationary status typically must meet with SSAO or other College personnel for follow-up meetings. Probationary status may range from one semester up to the duration of time at CCCS.
  14. Suspension: Separation from a College for a specified minimum period of time, after which the student is eligible to petition the SSAO for permission to return. Eligibility for return may be contingent upon satisfaction of specific conditions. The student is required to vacate the campus immediately upon receipt of notification of a suspension. During the suspension period, the student is restricted from College property, functions, events, and activities without prior written approval from the SSAO. Additionally, the responsible faculty member or instructor may suspend students from one class period per incident without triggering this procedure. Any longer suspension must be referred to the SSAO.
  15. Expulsion: Permanent separation from CCCS. The student is banned from CCCS College properties, and the student's presence at any CCCS-sponsored activity or event is prohibited. This action may be enforced with a trespass action as necessary.
  16. No Trespass: The College may issue a "No Trespass" directive, also referred to as a persona non grata.
  17. Other: Additional or alternate restrictions, conditions, or outcomes that promote reflection and holistic student development (e.g., creative expression, community restoration project) may be created and designed as deemed appropriate to the violation.
2. Appeals Criteria: A student may only appeal upon one or more of the following grounds:
    - a. A material procedural error occurred that significantly impacted the outcome of the factual findings, outcomes, or both (e.g., substantiated bias, conflict of interest, or material deviation from established procedures).
    - b. There is new information unavailable during the formal investigation that could substantially impact the decision or the outcome.
    - c. The new information must be included with the student's request for appeal, and the student must show that the new information was not known to them at the time of the investigation. Failure to participate in the initial investigation does not constitute new information for the appeal process.
  3. Initial Review of Appeal: Regardless if a case is appealed, all outcomes imposed in the case will go into effect immediately unless they officially stay pending the appeal decision. Appeals must be filed in writing within ten (10) business days of the notice of the initial conduct decision or decision allowing a discretionary appeal. A student may file a written appeal by completing and submitting the College's appeal form, if applicable, and sending it to the Appellate Officer. It is the student's obligation to provide any and all materials for consideration at the time of appeal submission. Subsequent information and-or revisions to the appeal after initial submission will not be accepted. Upon receipt of an appeal, the Appellate Officer shall conduct an initial review to determine if the appeal meets the limited appeals criteria and is timely. The student will receive notification about the decision of the initial review of the appeal within five (5) business days of receipt of the student's appeal. If the appeal is found to meet these criteria, the Appellate Officer shall give written notice to other involved parties, if applicable, to allow the other parties an opportunity to provide a response to the appeal.
  4. Appeal Determination: If it is determined an appeal meets the appeal criteria, the Appellate Officer will review the appeal.

## Appeal of Formal Investigation Decision

A student found responsible for violating the Code through the formal investigation process has a right to appeal if suspension or expulsion are imposed.

If an outcome other than suspension or expulsion is imposed as a result of a formal investigation, a student may request in writing a discretionary appeal to the designated Appellate officer. A request for a discretionary appeal must be in writing and submitted to the Appellate officer within five (5) business days of the notice of the decision. The Appellate Officer must notify the student in writing of whether the appeal will be permitted, and if permitted, the below appeal deadlines apply from the date of that decision.

All appeals must be made per the procedures outlined in this section.

1. Important Information about Appeals:
  - a. The appeal is the final step in the conduct process.
  - b. An appeal does not provide a second meeting or review of the case. The appeal process will

In reviewing the appeal, the Appellate Officer may only consider the information contained in the record of the case but may seek clarification of the decision rendered by the SSAO.

Upon review of an appeal, the Appellate Officer shall have the authority to:

- Deny the appeal and affirm the initial decision and outcomes.

- Find that a material procedural error occurred (e.g., substantiated bias, material deviation from established procedures) that impacted the outcome and refer the case back to the SSAO or an alternate designee with instructions to reconvene the investigation, and-or the Appellate Officer may otherwise correct the procedural error.
- Find that the student has presented new information that is material to the decision or outcome of the case. Upon this finding, the Appellate Officer shall conduct or request appropriate additional steps (such as requesting an additional investigation by the SSAO) and-or modify the decision and outcome accordingly.

The Appellate Officer will notify the student in writing of the decision, typically within ten (10) business days of completing the review.

During this appeal process, if the Appellate Officer requires additional time, they shall promptly notify the parties.

### *Student Records*

Student conduct records will be maintained in accordance with the Family Educational Rights and Privacy Act (FERPA) and SP 4-80a, Student Educational Records and Directory Information. Generally, student conduct records are sealed seven (7) years after a final decision is delivered in the resolution process, except as required by law. Student conduct records may be sealed earlier by the SSAO upon written request from the student. Conduct records that result in separation from the College (suspension or expulsion) and those that fall under Civil Rights, including a Title IX investigation, will be maintained for seven (7) years.

### *Financial*

Students suspended or expelled due to the conduct process will not receive a refund of any tuition, fees, or other charges and will be responsible for any outstanding balances owed to the College. If applicable, students who are terminated from housing will be responsible for fulfilling their housing and dining contract fees.

### *Retaliation*

It is a violation of this procedure to engage in retaliation, such as taking adverse employment or educational action, against any person who reports an incident of a Code violation or because of the person's participation, or perceived participation, in any aspect of this procedure. Retaliation includes acts to intimidate, threaten, coerce, or discriminate against any individual to interfere with any right or privilege provided by this procedure.

### *Revising this Procedure*

CCCS reserves the right to change any provision or requirement of this procedure at any time, and the change shall become effective immediately.

### *Statement*

A College community is defined by its learning, teaching, and service values that reflect academic excellence, holistic student development, and societal impact. To guide student success, the Colorado Community College System (CCCS) has created the Code of Student Behavioral Expectations and Responsibilities (Code), which includes standards of behavior that support an engaged learning environment for all students. The Code embraces the institutional values of integrity, excellence, learning, diversity, intellectual freedom, and equal opportunity.

It is rooted in conflict resolution practice to support students in resolving their own conflicts.

Each College's Student Affairs Division is authorized to enact the Code and utilize the Code procedures to support students while holding them accountable for the behavior that supports the College's mission and vision. The outcomes of the student conduct process are designed to assist students in their development, help them think through their moral and ethical decision-making, and realign their behavior with the College's community expectations. In certain incidents, this may involve temporary or permanent separation from the College.

Outcomes are assigned based on the severity of the violation, cumulative conduct history, and student educational needs. Students at each College are provided a copy of the Code and are responsible for reading and adhering to the Code. The Code in no way creates a contractual obligation, and CCCS reserves the right to revise the procedure at any time.

## *Code*

The College considers the behavior described in the following subsections as inappropriate and in opposition to the values of the College community.

These responsibilities apply to all students, including continuing education students. The College encourages and expects students, faculty, and staff to engage as active bystanders and to report to college officials incidents that involve the following behaviors. Any student found to have violated or attempted to violate the following responsibilities may be subject to the conditions, restrictions, and outcomes outlined in SP 4-30a, Student Behavior Expectations and Responsibilities Resolution Procedure.

The following section is organized alphabetically by the violation, followed by an explanation.

### *Abuse of Conduct Process*

Abuse or interference with College processes, including conduct and academic integrity meetings:

- Falsification, distortion, or misrepresentation of information.
- Failure to provide, destroy, or conceal information during an investigation of an alleged Code violation.
- Attempting to discourage an individual's proper participation in, or use of, the campus conduct system.
- Inappropriately influencing any campus community member with conduct authority prior to, during, or following a campus conduct proceeding.
- Influencing or attempting to influence another individual to commit an abuse of the campus conduct process.

### *Academic Integrity*

Plagiarizing, cheating, or committing any other form of academic misconduct including, but not limited to, unauthorized collaboration, falsification of information, and-or helping someone else violate reasonable standards for academic behavior. Students who engage in academic dishonesty are subject to academic consequences as determined by the instructor and outcomes as outlined in the Student Behavioral Expectations and Responsibilities Resolution Procedure.

- Cheating: The act of using or attempting to use an examination or other academic work, material, information, or study aids that the instructor does not permit. Cheating includes, but is not limited to:



- Using books, notes, or calculators or copying from or conversing with others during examinations (unless such external aids are permitted by the instructor).
- Having someone else do research, write papers, or take examinations for someone else.
- Submitting work completed in one class to fulfill an assignment in another class without prior approval from the instructor(s).
- Stealing, distributing, selling, and buying tests or having someone take an exam on someone else's behalf.
- Fabrication: The invention of material or its source and its use as an authority in academic work. Fabrication includes, but is not limited to:
  - Inventing the data for a scientific experiment.
  - Inventing the title and author of a publication to use the invented publication as a source.
  - Knowingly attributing material to an incorrect source.
- Plagiarism: Using someone else's work without giving proper credit to the original source. The work can be written, artistic, musical, language, symbols, or media. Reusing one's own work without proper citation (or approval of the instructor) is also plagiarism.

### *Aiding and Abetting*

It is a violation of this Code to actively assist another in violating the Code or covering up the violation after the fact.

### *Alcohol and Drugs*

Use, being under the influence, manufacturing, possession, cultivating, distribution, purchase, or sale of alcohol and-or drugs (illegal and-or dangerous or controlled substance) and-or alcohol or drug paraphernalia while on College-owned or College-controlled property, and-or at any function authorized or supervised by the College, and-or in state-owned or leased vehicles.

### *Animals and Pets*

Animals are not permitted on campus except as permitted by law or as specifically approved by the College.

- Please see SP 4-120b, regarding Student Disability Services, for information on service animals and emotional support animals.
- Where applicable, please see the appropriate handbook for regulations and processes for animals and pets in student housing.

### *Bullying and Non-physical abuse*

Bullying includes repeated and-or severe aggressive or negative actions or behaviors intentionally or reasonably likely to intimidate, hurt, control, or diminish another person, physically, mentally, or emotionally. Bullying may include direct or indirect communications in verbal or nonverbal form and specifically includes bullying by electronic means (e.g., cyberbullying).

- For more information and compliance, see SP19-10, Bullying, Violence, Firearms on Campus.

### *Damage and Destruction*

Reckless and-or unauthorized damage to, or destruction of, College property or the individual property of another, regardless of intention. Damage or destruction of community, public, or private property.

### *Deceitful Acts*

Engaging in deceitful acts including but not limited to collusion, forgery, falsification, alteration, misrepresentation, non-disclosure, or misuse of documents, records, identification, or educational materials.

- Collusion: Action with another or others to violate the Code.
- Falsification: Knowingly furnishing or possessing false, falsified, or forged materials, documents, accounts, records, identification, or financial instruments, including electronic forgery and-or manipulation.

### *Discrimination and Harassment*

Discrimination is any distinction, preference, advantage, or detriment given to a person based on one or more actual or perceived protected classes. Harassment is a form of discrimination that includes Quid Pro Quo and a Hostile Environment.

- Hostile Environment occurs when a person is subjected to verbal or physical conduct based on a protected class that is sufficiently severe, persistent or pervasive, and objectively offensive to alter the conditions of a person's employment or unreasonably interfere with a person's ability to participate in or benefit from CCCS educational programs or activities, from both a subjective and objective viewpoint.
- Quid Pro Quo is a type of sexual harassment that exists when an employee creates the provision of aid, benefit, or service on an individual's participation in unwelcome sexual conduct, such as unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature.
- Sexual harassment includes but is not limited to dating violence, domestic violence, stalking, and sexual assault.
- For more information and how to file a complaint regarding discrimination or harassment, including sexual misconduct, see SP 19-60, Civil Rights and Sexual Misconduct Resolution Process.

### *Disruptive Behavior*

Engaging in any behavior that negatively affects or impedes teaching or learning (regardless of the mode of delivery or class setting) or disrupts the general operation of the College.

### *Endangerment or Defacement*

Conduct that is detrimental to the College and community safety. Examples include, but are not limited to, slamming doors, throwing chairs, and-or defacing Northeastern property or the property of others.

## Failure to Comply

- Failure to comply with or follow the lawful directives of College employees acting within the scope of their duties, including those directives issued by a College administrator to ensure the safety and well-being of others.
- Failure to comply with or follow the directives and/or sanctions imposed under CCCS policies and procedures.
- Failure to identify oneself to College officials, acting in their official capacity, when requested.

## Fire Safety

- Violation of federal, state, local, or campus fire policies including, but not limited to:
- Intentionally, recklessly, or negligently causing a fire that damages the College, individual property, or causes injury.
- Failure to evacuate a College-owned, operated, or controlled facility during a fire alarm.
- Improper use of College fire safety equipment.
- Tampering with or improperly engaging a fire alarm or fire detection-control equipment while on College property. Such action may result in criminal action.

## Gambling

Gambling is prohibited by the laws of the State of Colorado. Gambling may include, but is not limited to, raffles, lotteries, sports pools, and online betting activities. Participation in illegal gambling activities on College-owned or College-controlled property, and/or any function authorized or supervised by the College, and/or in state-owned or leased vehicles.

## Harm to Individuals

Intentionally or unintentionally causing physical harm, threatening to cause harm, endangering the health and/or safety of any individual, or demonstrating violent behavior.

- Violent Behavior includes any act or threat of physical, verbal, or psychological aggression or the destruction or abuse of property by any individual.
- A threat is defined as direct or indirect, verbal or non-verbal conduct (including those made in person, by mail, over the telephone, by email, or by other means) intended to result—or reasonably result—in intimidation, harassment, harm, fear or endangerment of the safety of another person or property.
- For more information and compliance, see SP 19-10, Bullying, Violence, Firearms on Campus.

## Hazing

Defined as an act that endangers the psychological, emotional, intellectual, physical health or safety of a student, or that destroys or removes public or private property for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in a group, team, or organization. Additionally, any act that places a student in a subservient role within an organization is considered hazing. Participation or consensual cooperation by the individual(s) being hazed does not excuse the violation. Failing to intervene to prevent, failing to discourage, and failing to report those acts may also violate this Code.

## Indecent Exposure

Deliberately and publicly exposing one's intimate body parts, public urination, defecation, and public sex acts.

## Retaliation

Retaliatory acts include but are not limited to intimidation, verbal or physical threats, harassment, coercion, or other adverse action(s) against a person who reports an incident of misconduct.

## Rioting

Causing, inciting, or participating in any disturbance that presents a clear and present danger to self or others, causes physical harm to others, or results in damage and/or destruction of property.

## Theft

Obtaining, retaining, or exercising control over property of another without authorization, or by threat or deception, with the purpose or effect of depriving the person(s) to whom the property belongs of its use or benefit.

## Tobacco Violation

Smoking and the use of tobacco and related products, including electronic smoking, where contrary to applicable laws or policies established by the College. This includes smoking inside buildings or areas where smoking is prohibited.

## Trademark Violation

Unauthorized use, including misuse, of the College or organizational names and images without the express written consent of the institution or organization.

**Unacceptable Use of College Equipment, Network or System: Unacceptable uses of any College-owned or operated equipment, network, or system, including (but not limited to)**

Knowingly spreading computer viruses; reposting personal communications without the author's consent; copying protected materials; using the network for financial or personal gain, commercial activity, or illegal activity; accessing the network using another individual's account; unauthorized downloading or uploading software and/or digital video or music; downloading or uploading, viewing or displaying pornographic content, or any other attempt to compromise network integrity. For more information, see SP 4-32, Student Email Acceptable Use.

## Unauthorized Access and Entry

Unauthorized access to any College facility, including misuse of keys, cards, restricted access areas, or unauthorized possession, duplication, or use of other individual's means of access to any College facility; failing to provide a timely report of a lost College identification card or key; misuse of access privileges to College premises or unauthorized entry to or use of facilities, including trespassing, propping, or unauthorized use of alarmed doors for entry into or exit from a College facility.

## Violation of Laws, Directives and Signage

Violating any municipal, county, state, or federal laws, executive orders, or violating any public health orders in a manner that adversely impacts the health and well-being of the campus environment and those on campus.

## Weapons Violation

Possession, use, or distribution of explosives (including fireworks and ammunition), guns (including air, BB, paintball, facsimile weapons, and pellet guns), or other weapons or dangerous objects, such as arrows, axes, machetes, nunchaku, throwing stars, or knives with a blade of longer than three (3) inches. This includes the unauthorized storage of any item that falls within the category of a weapon, including storage in a vehicle parked on College property, other than what is expressly permitted by law.

- This policy also prohibits the possession of an instrument designed to look like a firearm, explosive, or dangerous weapon.
- Intentionally or recklessly using and/or possessing a weapon or any other item in such a way that would intimidate, harass, injure, or otherwise interfere with the learning and working environment of the College shall face increased consequences.
- Students, faculty, and staff possessing valid Colorado Concealed Handgun Licenses are permitted to carry concealed on campus in accordance with state law and CCCS policy.
- For more details about certain restrictions, please consult with the local police and/or the Housing and Residential Education Handbook, where applicable.
- For more information and compliance, see SP 19-10, Bullying, Violence, Firearms on Campus.

## Violation of course, program, or activity rules

Violation of established rules contained in courses, program activities, regulations, or guidelines established by departments, regulatory boards, or licensing bodies, including all Housing and Residential Education policies, as applicable.

### Group Violations

Student group or organization and its officers and membership may be held collectively and individually responsible when violations of this Code occur by the organization or its member(s), including the following conditions:

- Violation(s) take place at organization-sponsored or co-sponsored events, whether sponsorship is formal or implied.
- Violation(s) have received the consent or encouragement of the organization or the organization's leaders or officers.
- Violation(s) were known or should have been known to the membership or its officers.

Conduct meetings for student groups or organizations shall also follow the *Student Behavioral Expectations and Responsibilities Resolution Procedure*. In any such action, individual determinations as to responsibility will be made, and restrictions, conditions, and outcomes may be assigned collectively and individually and will be proportionate to the involvement of each individual and the organization. Procedures will begin with communication with the President or leadership of the said organization.

### Amnesty

Assisting an individual by calling for help in an alcohol or drug-related emergency means neither the person who calls for help nor the person who needs help will be subject to formal investigation nor receive a formal conduct record for their behavior.

## Code of Student Conduct

### Rationale

The Student Code of Conduct's primary purpose is the basis for the student judicial process that protects the rights of all students and protects the campus community. Consistent with this purpose, reasonable efforts will be made to foster personal and social development of those students who are held accountable for violations of this code, student policy, and academic procedures.

### Definitions

1. The term "faculty member" means any person hired by the college to conduct classroom activities.
2. The term "institution" and "college" means Northeastern, Sterling, Colorado.
3. The term "college official" includes any person employed by the college performing assigned administrative or professional responsibility. The term "impartial decision maker" refers to the individual/committee designated by the college president to hear student disciplinary appeals.
4. The term "student" means a person taking or auditing courses in a college course, on or off campus, full or part-time.
5. The term "member of the college community" includes any person who is a student, faculty member, college official or any other person employed by the college.
6. The term "organization" means a number of persons who have complied with college requirements for registration or are chartered student clubs with Associated Student Government.
7. The term "group" means a number of persons who are associated with each other and who have not complied with college requirements for registration as an organization.
8. The term "chief judicial officer" means the authorized college official assigned to administer the Student Code and the imposition and monitoring of sanctions, this usually is the Vice President of Student Services.
9. The term "judicial body" or "hearing board" means any person or persons authorized by the chief judicial officer (Vice President of Student Services) to determine whether a student has violated the Student Code and to recommend imposition of educational sanctions.
10. The term "day" refers to a calendar day unless otherwise noted in any communication. The term "workday" is sometimes used to set parameters for appeals and resolution of cases. These are actual days that the institution is open for business.
11. The term "policy" is defined as the written regulations of the college as found in the Student Code, the Student Handbook, the Residence Life Handbook, and the College Catalog.
12. The term "sanctions" refers to the assigned consequences of a violation of the Student Code of Conduct; these consequences range from educational performance activities to suspension from college.
13. The term "notice" refers to the written communication from a college official to an enrolled student regarding academic or educational decisions of the college. A notice is considered served when given by personal delivery or by certified mail to the last known address filed with the college. If notice is mailed the student is given three (3) additional days to respond.

14. The term “cheating” includes, but is not limited to:
  - a. use of any unauthorized assistance in taking quizzes, tests, or examinations; 2) dependence upon the aid or sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or 3) the acquisition (without permission) of tests or other academic material belonging to a member of the college faculty or staff.
15. The term “plagiarism” includes, but is not limited to, the use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use by another person or agency engaged in the selling of term papers or other academic materials.
16. The term “aggravated violation” means a violation which resulted or foreseeably could have resulted in significant damage to persons or property or which otherwise posed a threat to the stability and continuance of normal college sponsored activities.
17. The term “distribution” means sale or exchange for personal profit.
18. The term “reckless conduct” means action or conduct by any member of the college community, which creates a clear risk of harm to persons or property or would disrupt the lawful activities of others, including studying, teaching, or any other college work or college sponsored activity.
19. The term “college premises” means buildings or grounds owned, leased, operated, controlled, or supervised by the college.
20. The term “weapon” means any object or substance designed to inflict a wound, cause injury, or incapacitate, including, but not limited to, all firearms, pellet guns, switchblade knives, knives with blades five or more inches in length, and chemicals such as “Mace” or tear gas. Common objects not designed or intended as a weapon, but used in a harmful and threatening manner can be considered a weapon, i.e. baseball bat.
21. The term “college sponsored activity” means any activity on or off campus which is initiated, aided, financed, authorized, or sponsored by the college.
22. The term “abusive speech or writing” means speech or other means of communication that:
  - a. Is intended to insult or stigmatize an individual or a small number of individuals based upon their sex, race, color, handicap, religion, sexual orientation or national/ethnic origin.
  - b. Is addressed directly to the individual(s) whom it insults or stigmatizes.
  - c. Makes use of insulting or fighting words or symbols. Fighting words are those, which by their very utterance inflict injury or tend to incite immediate breach of the peace and are commonly understood to convey direct or visceral hatred or contempt for persons on the basis of sex, race, color, handicap, religion, sexual orientation, or national/ethnic origin.
23. The term “student harassment” means an unwelcome verbal or physical or discriminatory act specifically directed toward an individual student with the intent to cause emotional or physical distress or to influence, control, or intimidate that student.

## Proscribed Conduct

### 1. Jurisdiction of the College

The Student Code of Conduct generally pertains to student conduct on the college premises and off-campus involving college-sponsored and college sanctioned activities and any off-campus conduct for an enrolled student that adversely affects the educational interests of any student, the staff, the college, and the community.

### 2. Conduct - Rules and Regulations

Conduct that violates student rights and freedoms and is subject to disciplinary action includes, but is not limited to:

- a. Academic Misconduct: Plagiarizing, cheating, or committing any other form of academic misconduct including, but not limited to, unauthorized collaboration, falsification of information, or helping someone else violate reasonable standards for academic behavior. Students who engage in academic dishonesty are subject to academic consequences as determined by the instructor and disciplinary action as outlined in the Northeastern disciplinary procedures.
- b. Disruptive Behavior: Engaging in any disruptive behavior that negatively affects or impedes teaching or learning (regardless of the mode of delivery or class setting) or disrupts the general operation of the college.
- c. Deceptive Acts: Engaging in deceptive acts including, but not limited to, forgery, falsification, alteration, misrepresentation, non-disclosure, or misuse of documents, records, identification, or educational materials.
- d. Conduct that is Detrimental to College or Safety: Conduct that is deemed detrimental, harmful, or damaging to the college or that jeopardizes the safety of others as determined by the Northeastern Vice President of Student Services or designee. Examples include, but are not limited to, slamming doors, throwing chairs, or defacing college property or property of others.
- e. Physical/Non-physical Abuse:
  - i. Physical abuse or conduct that threatens or endangers another person's health or safety.
  - ii. Non-physical abuse, threats, intimidation, coercion, influence, or any unwelcome conduct in any form that is sufficiently severe, pervasive, or persistent that alters the conditions of the learning environment or employment.
  - iii. Knowingly falsifying, publishing, or distributing, in any form, material that tends to impeach another person's honesty, integrity, virtue, or reputation.
- f. Harassment and/or Discrimination: Discrimination or harassment based on sex/gender, race, color, age, creed, national or ethnic origin, physical or mental disability, veteran status, pregnancy status, religion, or sexual orientation.

- g. Sexual Misconduct: Sexual Misconduct offenses include, but are not limited to, Sexual Harassment, Non-Consensual Sexual Contact (or attempts to commit same), Non-Consensual Sexual Intercourse (or attempts to commit same), or Sexual Exploitation. (See <https://www.cccs.edu/policies-and-procedures/sp-19-60-civil-rights-and-sexual-misconduct-resolution-process-definitions/>)
  - h. Weapons: Possession or distribution of any unauthorized firearms, ammunition, explosives, fireworks, or other dangerous weapons (or chemicals/flammable liquids) or use/threat of use of any instrument including, but not limited to, paintball guns, pellet guns, airsoft guns, bow and arrows, knives or instruments that can be used as a weapon to intimidate, harass, or cause harm to others. (See <https://www.cccs.edu/policies-and-procedures/system-presidents-procedures/sp-19-10-violence-firearms-on-campus/>)
  - i. Narcotics/Alcohol: Use, being under the influence, manufacturing, possession, cultivating, distribution, purchase, or sale of alcohol or drugs (illegal or dangerous or controlled substance), or alcohol/drug paraphernalia while on a college-owned or college-controlled property or at any function authorized or supervised by the college or in state-owned or leased vehicles.
- Note:** Although possession and use of marijuana consistent with the requirements of the Colorado Constitution is no longer a crime in the State of Colorado, the possession and use of marijuana remain illegal under federal law. Consistent with federal law, including the Controlled Substances Act and the Drug-Free Schools and Communities Act, the use or possession of marijuana continues to be prohibited while a student is on college-owned or college-controlled property and or any function authorized or supervised by the college and/or in state-owned or leased vehicles.
- j. Dress & Hygiene: Dress or personal hygiene that fails to meet the established safety or health standards of specific classes or activities the college offers.
  - k. Leaving Children Unattended: Leaving children unattended or unsupervised in campus buildings or grounds unless enrolled or participating in authorized activities.
  - l. Violation of Laws, Directives, and Signage:
    - i. Violating any municipal, county, state, or federal law that adversely impacts the educational or employment environment conditions.
    - ii. Violations of college traffic and parking rules, regulations, or signage.
    - iii. Damage to or falsely using fire alarms or fire extinguishers.
    - iv. Creating an intentional obstruction that unreasonably interferes with freedom of movement, either pedestrian or vehicular. This includes, but is not limited to, leading or inciting to disrupt college activities. Failure to comply with the lawful directives of College employees acting within the scope of their duties, including those directives issued by a College administrator to ensure the safety and well-being of others.
  - v. Violations of college policies, protocols, procedures, or signage.
  - m. Illegal Gambling: Participation in illegal gambling activities on college-owned or college-controlled property and/or any function authorized or supervised by the college or in state-owned or leased vehicles.
  - n. Unauthorized Entry and/or Unauthorized Possession: Entry into or use any building, room, or other college-owned or college-controlled property, grounds, or activities without authorized approval. This also includes, but is not limited to, the unauthorized possession, duplication, or use of college keys, lock combinations, access codes, access cards or credentials, or propping open or tampering with doors/windows.
  - o. Unacceptable Use of College Equipment, Network, or System: Unacceptable uses of any college-owned or operated equipment, network or system including, but not limited to: knowingly spreading computer viruses, reposting personal communications without the author's consent, copying protected materials, using the network for financial or personal gain, commercial activity, or illegal activity, accessing the network using another individuals account, unauthorized downloading/uploading software or digital video or music, downloading/uploading, viewing, or displaying pornographic content, or any other attempt to compromise network integrity.
  - p. Unauthorized Pets/Animals: Possession of any unauthorized pet or animal, excluding trained service animals or assistance animals, while on college-owned or college-controlled property.
  - q. Tampering with Student Organization, Election, or Vote: Tampering with the process of any college-recognized student organization, election, or vote.
  - r. Group or Organization Conduct: Students who are members of a college-recognized student organization or group and commit a violation of SCOC may be accountable both as an individual and a member of the student organization.
  - s. Abuse of the Student Disciplinary or Grievance Procedure: Abuse of the Student Disciplinary or Grievance Procedure includes, but is not limited, to the following:
    - i. Disruption or interference with the orderly conduct of the student disciplinary / grievance procedure.
    - ii. Falsification, distortion, misrepresentation, or knowingly pursuing malicious, frivolous, or fraudulent charges.
    - iii. Attempting to discourage an individual's proper participation in, or use of, the student disciplinary/ grievance procedure.
    - iv. Attempting to influence the impartiality of a participant or the

- student disciplinary/grievance procedure.
- v. Harassment (verbal or physical) or intimidation of a participant in the student disciplinary/grievance procedure.
- vi. Failure to comply with directives or sanctions imposed under student disciplinary/grievance procedure.
- vii. Influencing or attempting to influence another person to commit an abuse of the student disciplinary/grievance procedure.
- viii. Engaging in retaliatory acts in any form against any person or person(s) involved in the student disciplinary/ grievance procedure
- t. Any act or omission committed on or off campus constitutes a serious criminal offense. A serious criminal offense is hereby defined as an action that is a felony under Colorado law and which indicates that the student constitutes a substantial danger to the safety or property of the college or community members. Unauthorized Entry into College Events: Entering or attempting to enter any college-sponsored activity without proper credentials for admission.

**Please note:** In most circumstances, the college will treat attempts to commit Code of Conduct violations as if those attempts had been completed. Violations of the above may result in but are not limited to fines, restitution, community service, or disciplinary procedures.

## Judicial Authority

1. The chief judicial officer of the college shall make all decisions regarding violations of the Student Code of Conduct and may delegate enforcement and imposition of sanctions to other qualified college staff as required by their assigned job.
2. The chief judicial officer of the college will ensure all students have the right to due process as described in the Student Handbook.
3. The chief judicial officer shall determine the composition of hearing boards as dictated by the President of the college and shall ensure all college hearing boards are conducted consistent with the Student Code, Student Due Process, and approved hearing board procedure.
4. Decisions made by a hearing board, chief judicial officer, or appointed designee shall be final, pending the normal appeal process.
5. Judicial authority is part of the residence hall director's responsibilities; this person has the authority to make immediate decisions regarding student misconduct and violation of the Student Code of Conduct. The residence hall director has the authority to impose sanctions and procedures to ensure the Student Code of Conduct is interpreted and enforced fairly for all students.
6. The Director of Student Life has the authority to make immediate decisions regarding student misconduct and violation of the Student Code of Conduct for resident students. The Director of Student Life has the authority to impose sanctions and procedures to ensure the Student Code of Conduct is interpreted and enforced fairly for all students. Referrals can be made to the Director of Student Life before or after a residence hall director has assigned judicial procedures/sanctions.

7. Faculty members have the judicial authority to conduct their teaching assignments free of student misconduct and interference. The faculty member has the authority to make immediate decisions to ensure the academic process continues unhindered and all students do not violate the Code for cheating and plagiarism.

## College Sanctions

### 1. Dismissal

Dismissal is the permanent separation of the student from the college. Notification will appear on the student's transcript. The student will be barred from the college premises. Dismissal from college requires a College Hearing Board review with an optional review by the President to alter, defer, or withhold dismissal.

### 2. Suspension

Suspension is the separation of the student from the college for a specific time (no longer than two semesters). Permanent notification will appear on the student's transcript. The student may not participate in any college-sponsored activity and may be barred from college premises. The chief judicial officer enacts suspension, and this action may be reviewed by an appeal to the College Hearing Board.

### 3. Interim Action

The chief judicial officer or a designee may suspend a student for an interim period pending judicial proceedings or medical evaluation. Interim action can be enacted at any time without prior notice. Interim action can be enacted when there is reasonable evidence that the continued presence of the student on the college campus and enrolled in college classes poses a substantial threat to themselves, other students, faculty, any college official, or the stability and continuance of normal college functions.

### 4. Disciplinary Probation

Disciplinary Probation restricts a student from representing the college in any extracurricular activity, 'running for,' or holding office in any student group or organization. Institutional scholarship support will be withheld, and additional restrictions or conditions may be imposed. There are three levels of Disciplinary Probation with distinct sanction differences.

### 5. Disciplinary Warning

Disciplinary Warning communicates to the student that further misconduct will result in stricter judicial sanctions. A warning shall be used only once per term.

### 6. Restitution

The student is required to make payment to the college or other persons, groups, or organizations for damages incurred as a result of a violation of this Code. Restitution is required for vandalism, theft, payment for the repair, cleaning charge, services rendered, and loss and destruction of equipment. Fines for violations are considered restitution.

### 7. Eviction

A student residing in a residence hall may be evicted due to a specific violation of this Code. Eviction requires immediate removal of all belongings and completion of checkout procedures with maintenance and housing. Monetary penalties will be assessed to include, but not limited to, breakage of the contract fee, general hall or room damages, and room deposit. An evicted student may continue present enrollment in classes but will be restricted from one or all residence halls or the college cafeteria. The chief judicial officer must give notice of eviction.

### 8. Educational Sanctions

Educational sanctions may be imposed by the Residence Hall Director, Director of Student Life, or Vice President of Student Services in addition to sanctions assigned by designated policies. The monitoring of the completion of educational sanctions will be centrally reported to the Vice President of Student Services office for follow-up and reporting.

# Student Disciplinary Procedures

## Decision

The Vice President of Student Services or designee shall receive all allegations of student misconduct and investigate the complaints, which includes meeting with the student to give them the opportunity to respond to the allegations of misconduct. If the allegations of misconduct are discrimination or harassment based on federal or state civil rights laws, the college will investigate those incidents through the Civil Rights Grievance and Investigation Process (3.18).

Once the investigation is complete, either through this process or the Civil Rights Grievance and Investigation process, the Chief Student Services Officer/CSSO or designee shall render a sanction decision.

The CSSO or designee may decide that the charges can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to them. If an administrative resolution is not achieved, the CSSO or designee shall issue a decision that determines whether the alleged conduct occurred or whether the conduct violated the Code of Conduct or College procedures and then impose a sanction(s) if appropriate. The student shall receive written notice of the decision and be advised of their right to appeal the decision, subject to the grounds below, by filing a written appeal with the CSSO or designee within seven days of service of the decision.

## Appeal

In the event of an appeal, the CSSO or designee shall give written notice to the other party (e.g., if the accused student appeals, the appeal is shared with the complainant, who may also wish to file a response), and then the CSSO or designee will draft a response memorandum (also shared with all parties). All appeals and responses are then forwarded to the appeals officer or committee for initial review to determine if the appeal meets the limited grounds and is timely. The original finding and sanction will stand if the appeal is not timely or substantively eligible and the decision is final. If the appeal has standing, the documentation is forwarded for consideration. Because the original finding and sanction are presumed to have been decided reasonably and appropriately, the party appealing the decision must specifically cite the error(s) in the original determination on which the appeal is based.

The ONLY grounds for appeal are as follows:

1. A material procedural or substantive error occurred that significantly impacted the outcome of the hearing (e.g., substantiated bias, material deviation from established procedures), which must be explained in the written appeal.
2. To consider new evidence unavailable during the investigation or hearing that could substantially impact the original finding or sanction. A summary of this new evidence and its potential impact must be included in the written appeal and the reasons the new evidence was not available during the original proceeding.

The appeals committee shall be appointed by the Northeastern President and shall consist of one (1) administrator, three (3) faculty members (none of whom shall be a current or past instructor or advisor of the student filing the appeal), and one (1) student representative (an officer from the Associated Student Government). If the appeals officer or committee determines that a material procedural or substantive error occurred, it may return the complaint to the CSSO or designee with instructions to reconvene to cure the error. I

n rare cases where the procedural or substantive error cannot be cured by the CSSO or designee, in cases of bias, the appeals officer or committee may order a new hearing by a different individual acting in the place of the designated CSSO or designee. The results of a reconvened hearing cannot be appealed. The results of a new hearing can be appealed once via two applicable grounds for appeals.

If the appeals officer or committee determines that new evidence should be considered, it will return the complaint to the CSSO or designee to reconsider in light of the new evidence only. If the subject matter pertains to discrimination or harassment, according to 3.18 of the Northeastern Student Handbook, the appeals officer or committee will return the complaint to the Title IX Coordinator to reconsider in light of the new evidence only. The reconsideration of the CSSO, designee, or Title IX Coordinator is not appealable. The procedures governing the hearing of appeals include the following:

- All parties should be timely informed of the status of requests for appeal, the status of the appeal consideration, and the results of the appeal decision.
- If the appeals officer or committee determines there is new evidence or error in the original proceeding, every opportunity to return the appeal to the CSSO or designee for reconsideration (remand) should be pursued
- Appeals are not intended to be full re-hearings of the complaint. In most cases, appeals are confined to a review of the written documentation or record of the original hearing and pertinent documentation regarding the grounds for appeal.
- An appeal is not an opportunity for an appeals officer or committee to substitute their judgment for that of the CSSO or designee merely because they disagree with its finding and sanctions.
- Appeals decisions are to be deferential to the original decision, making changes to the findings only where there is clear error and a compelling justification to do so.
- Sanctions imposed are implemented immediately unless the CSSO or designee stays their implementation in extraordinary circumstances, pending the outcome of the appeal.
- The appeals officer or committee will render a written decision on the appeal to all parties within four (4) days from receiving the appeal request. The committee's decision to deny appeal requests is final.

### Special Discipline Process Provisions

- If the student is under 18 or incapacitated, they may have an advisor present to assist them in presenting their case.
- Students do not have the right to be represented by an attorney or law student during these proceedings except in cases where civil or criminal actions concerning the student are pending. In that case, the attorney's role shall be advisory only.
- The student is responsible for presenting their own case; therefore, advisors are not permitted to speak or participate directly in any hearing except when the student is under eighteen or incapacitated.
- Students shall have the right to identify documents, witnesses, and other material they would like the CSSO or designee to review before making a final decision.
- Any hearing held shall be conducted in private unless all parties agree otherwise.
- The CSSO or designee should maintain a record of the hearing.

- If the student has a disability and would like to request an accommodation to assist them through the discipline process, they may do so by informing the CSSO or designee.
  - The CSSO or designee will work with disability support services to accommodate the request.
  - Jurisdiction-College disciplinary proceedings may be instituted against a student charged with a violation of the law; if the violation occurred at the College or college-sanctioned activities or was of such a nature to have an impact on the college and the violation is also a violation of the college's Student Code of Conduct. Proceedings under this procedure may be carried out before, simultaneously with, or following civil or criminal proceedings off-campus.
  - Standard of proof-the college will use the preponderance of evidence standard in the disciplinary proceedings, meaning the college will determine whether it is more likely than not a conduct code was violated.
  - All sanctions imposed by the original decision-maker will be in effect during the appeal. A request may be made to the CSSO or designee for special consideration in exigent circumstances, but the presumptive stance of the institution is that the sanctions will stand.
  - Graduation, study abroad, internships/externships/clinical placements, etc., do not constitute exigent circumstances, and students may not be able to participate in those activities during their appeal. In cases where the appeal results in privileges or reinstatement to the institution, all reasonable attempts will be made to restore the student to their prior status, recognizing that some opportunities lost may be irretrievable in the short term.
  - The procedural rights afforded to students above may be waived by the student.
3. Physical Health: In the opinion of the Vice President of Student Services, if the student's health is or will be affected by the due process procedures, the due process will be waived in the student's best interest. An expeditious hearing and the seven-day appeal requirement may be extended by request of the student or the Vice President of Student Services.
  4. Students with Legal Summons: Students who are arrested for violating a local, state, or federal law are still eligible for college due process if such violation of the law does not involve threatening the health, safety, rights, and privileges of other students. If the student is arrested or charged for physical acts of endangerment of others, for irrational behavior that could threaten other people, or exhibits the possibility of physical threat, the student's status may be decided by the college administration to protect other student's enrollment status and on-campus residents.
  5. Interim Action: is outlined in College Sanctions.

## Safety and Security on Campus

Northeastern Junior College is committed to developing excellence in all our students by instilling knowledge, advancing skills, and providing opportunities for educational transfer and successfully entering the workforce. Keeping in this spirit, the Campus Safety Department was created in 2018 to meet the College's safety and physical well-being needs and comply with federal law and standards. The Campus Safety Coordinator works around all Northeastern campus buildings and leased grounds to ensure a safe and secure environment for our students to thrive. We are committed to honoring each person's rights, striving for quality service, showing respect for all individuals, and always acting with the highest integrity while upholding the law. Provisions and efforts are made to protect individuals and preserve property by securing buildings, locking and supervising residence halls, and observing campus activities. Nothing can improve everyone's safety and security better than for each individual to make prudent and reasonable choices and actions.

- Do not prop doors open and then leave them unattended, ever.
- Take time to learn how to access emergency services.
- Know the proper steps to inform staff and the administration of incidents.
- Learn to be observant of what is happening around you (Situational Awareness).
- Always know at least two of the safest and quickest egress (building exit or escape routes) - wherever you are.
- Know the names and even addresses of buildings that you frequently visit.
- Always lock your vehicle and park your vehicle in a safe place.
- Never leave valuables in plain sight within a vehicle.
- If you spend the night away from campus for any reason, make sure someone (roommate, friend, parent, coach, etc.) knows where you will be and who you will be with.
- Report any concerns or observations of unsafe or dangerous conditions or actions of others to Campus Safety at 970-521-6683, or go to Walker Hall, Room 21 (South Side). Such awareness is your best protection against crime and accidents.
- Consider sharing your location on your smartphone with a trusted contact.
- Download the Northeastern Safety mobile app, "NJC Alert," free of charge. Contact Campus Safety for additional information, training tools, and resources. Be sure to check your Access account information for the

## Retaliatory Acts

It is a violation of this procedure to engage in retaliatory acts against any employee or student who reports an incident(s) of Code of Conduct violations or any employee or student who testifies, assists, or participates in the discipline proceeding, investigation, or hearing relating to such allegation(s) of Code of Conduct violations.

## Revising this Procedure

CCCS reserves the right to change any provision or requirement of this procedure at any time, and the change shall become effective immediately.

## Due Process Exceptions

In special circumstances, the Vice President of Student Services may waive the due process to preserve and protect the majority of students' rights and privileges. The following are due process exceptions; they are general categories that give the college authority and the right to make a reasonable and fair decision regarding exceptions.

1. Dangerous Acts: If a student's conduct is dangerous and life-threatening to themselves and others, the due process is waived.
2. Mental Health: If the student has exhibited impaired, irrational judgment, or, based upon the opinion of the Vice President of Student Services, is unable to make decisions due to emotional or psychological reasons, the due process is waived.



correct contact information for Emergency Notifications and check the Campus Safety pages on the website.

While the Coordinator of Campus Safety is not a sworn Law Enforcement position and has no arrest authority, the Office of Campus Safety works closely with sworn law enforcement, public safety professionals, and community partners to diligently to support a safe and secure environment for our students, visitors, faculty and staff so that they may enjoy and succeed in a comfortable learning environment, and to pursue their educational and personal goals. Here at Northeastern, our Campus Safety & Security Committee meets regularly to meet further the safety needs of our students, staff, and stakeholders. Our Campus Safety & Security Committee comprises representatives from the Sterling Police Department, Sterling Fire Department, Colorado State Patrol, Logan County Office of Emergency Management, and representatives from around the campus who deeply understand the students and grounds of our college. Furthermore, the Campus Safety Department works on an ongoing basis with campus leadership to ensure that robust emergency response and disaster relief efforts are in place to comply with CCCS ICS/NIMS requirements, and to ensure we are prepared if/when disaster should ever strike Northeastern.

In compliance with the Student Right to Know and Campus Security Act of 1990, Northeastern annually publishes the Annual Security Report (ASR), which includes crime statistics, explanations of campus security support, policies and procedures, and topics such as drug and alcohol-free campus, sexual assault prevention-response programs and other resources. Notify Campus Safety & Security of any crimes that have been committed, and always dial 911 for any immediate threat of life or safety and medical or fire emergency.

Northeastern also keeps a Daily Crime Log and Fire Log. A copy of the ASR is available for free on request, and you may view the crime and fire logs at the Student Services or Campus Safety & Security Offices.

Please visit [www.njc.edu/safety-and-security](http://www.njc.edu/safety-and-security) for more information.

#### **NOTICE OF PROHIBITION AGAINST ENROLLMENT IN STATE-SUPPORTED INSTITUTIONS OF HIGHER EDUCATION OF PERSONS CONVICTED OF RIOTING OFFENSES**

Under Colorado law, no person shall be enrolled in a state-supported institution of higher education for a period of twelve months following the date of a guilty verdict, guilty plea, no contest plea, a deferred judgment, or sentence for inciting a riot, arming rioters, or engaging in a riot.

## Voter Registration

Northeastern has institutionalized voter registration through various promotional and educational programs and the availability of voter registration forms across campus. Students are encouraged to register and vote.

The forms are available in numerous offices, classrooms, residence halls, and the Library.

For more information, see <https://www.vote.org/register-to-vote/colorado/>.

## General Education

The outcomes of general education coursework help students develop specific capabilities and insights, including the ability to think and communicate clearly and effectively. In addition, students should be able to formulate valid concepts, analyze arguments, and define and orient themselves to their world. A robust General Education curriculum should lead to self-understanding and a better understanding of one's role as a citizen.

General education is "general" in several identifiable ways: it is not directly related to a student's formal technical, vocational, or professional preparation, it is a part of every student's course of study regardless of the area of emphasis, and it is intended to impart common knowledge, intellectual concepts, and attitudes, which every educated person should possess.

## Guaranteed Transfer Courses

Colleges and universities in Colorado have identified general education courses in various categories and guaranteed transference to any public two or four-year Colorado college or university. Nearly 200 lower-division general education courses referred to as Guaranteed Transfer (GT) Pathways are approved for guaranteed transfer in 20 subject areas. Northeastern offers many of these courses on campus, which are listed in italics below. If a course is not italicized, it may be available online through CCC Online or another Colorado community college. For GTP courses to transfer, the student must successfully complete the course with a C or better grade. For a detailed list of courses or more information, see

<https://higher.ed.colorado.gov/Academics/Transfers/gtPathways/Curriculum/Courses.aspx>

Some courses apply to all degrees (A.A., A.S., A.G.S.), and some only apply to Associate of Arts (A.A.) and Associate of General Studies (A.G.S.) degrees. These are indicated in the list below. Students should work with their advisor to select the general education courses that best fit their program of study. More information on guaranteed transfer courses can be found on the Colorado Department of Higher Education website.

Classes in *Italics* indicate a course is generally offered at least once every other year. Most are offered every year, but some rotate on an every other year basis with other courses.

### Guaranteed Transfer Courses - Communication

<b>Communication (CO1)</b>	
<i>ENG 1021 English Composition I</i>	3
<i>ENG 1031 Technical Writing</i>	3
<b>Communication (CO2)</b>	
<i>ENG 1022 English Composition II</i>	3
<b>Communication (CO3)</b>	
<i>ENG 2001 Composition III: Writing for Public Discourse</i>	3
<i>ENG 2765 Writing About History</i>	3

### Guaranteed Transfer Courses - Mathematics

<b>Mathematics (MA1)</b>	
<i>MAT 1240 Mathematics for Liberal Arts (AA &amp; AGS ONLY)</i>	4
<i>MAT 1340 College Algebra</i>	4
<i>MAT 1420 College Trigonometry</i>	4
<i>MAT 1320 Finite Mathematics (AA &amp; AGS ONLY)</i>	4
<i>MAT 1400 Survey of Calculus (AA &amp; AGS ONLY)</i>	4
<i>MAT 1260 Introduction to Statistics (AA&amp; AGS ONLY)</i>	4
<i>MAT 1440 Pre-Calculus (AA &amp; AGS ONLY)</i>	4
<i>MAT 2410 Calculus I</i>	5
<i>MAT 2420 Calculus II</i>	5
<i>MAT 2430 Calculus III</i>	4
<i>MAT 2431 Calculus III with Engineering Applications</i>	4
<i>MAT 2520 Discrete Mathematics</i>	5
<i>MAT 2561 Differential Equations with Engineering Applications</i>	4
<i>MAT 2560 Differential Equations</i>	3

### Guaranteed Transfer Courses - Physical and Life Sciences

<b>Physical and Life Sciences (SC1)</b>	
<i>AGY 2140 Introductory Soil Science</i>	5
<i>ANT 1005 Biological Anthropology</i>	4

<b>Physical and Life Sciences (SC1)</b>	
AST 1110 Planetary Astronomy	5
AST 1120 Stellar Astronomy II	5
BIO 1004 Biology: A Human Approach	5
BIO 1005 Science of Biology w/Lab	4
BIO 1111 General College Biology I w/Lab	5
BIO 1112 General College Biology II w/Lab	5
BIO 2101 Human Anatomy & Physiology I w/Lab	4
BIO 2102 Human Anatomy & Physiology II w/Lab	4
BIO 2104 Microbiology w/Lab	4
BIO 2108 General College Microbiology w/Lab	4
BIO 2120 General Zoology w/Lab	4
BIO 2121 Botany w/Lab	4
BIO 2124 Genetics	4
CHE 1011 Introduction to Chemistry I w/Lab	4
CHE 1012 Introduction to Chemistry II w/Lab	4
CHE 1005 Chemistry in Context w/Lab	4
CHE 1111 General College Chemistry I w/Lab	4
CHE 1112 General College Chemistry II w/Lab	5
ENV 1111 Intro to Environmental Science w/Lab	4
GEO 1011 Physical Geography - Land forms w/Lab	5
GEO 1012 Physical Geography - Weather & Climate w/Lab	5
GEY 1111 Physical Geology w/Lab	5
GEY 1112 Historical Geology w/Lab	5
GEY 1135 Environmental Geology w/Lab	5
MET 1050 General Meteorology w/Lab	4
NRE 2051 General Oceanography I w/Lab	4
PHY 1105 Conceptual Physics w/Lab	4
PHY 1107 Energy Science & Technology w/Lab (AA & AGS ONLY)	4
PHY 1111 Physics: Algebra-Based I w/Lab	5
PHY 1112 Physics: Algebra-Based II w/Lab	5
PHY 2111 Physics: Calculus-Based I w/Lab	5
PHY 2112 Physics: Calculus-Based II w/Lab	5
SCI 1055 *Integrated Science I (AA & AGS ONLY)	4
SCI 1056 *Integrated Science II (AA & AGS ONLY)	4

**\*Note:** SCI1055 & SCI1056 must both be taken to fulfill the Physical and Life Science requirement. If only one is taken, it will not fulfill a general education requirement.

<b>Physical &amp; Life Sciences (SC2)</b>	
AST 1150 Astrobiology (AA & AGS ONLY)	3
AST 1140 Astronomy Ancient Cultures	3
AST 1160 Cosmology (AA & AGS ONLY)	3
BIO 1003 Principles of Animal Biology (AA & AGS ONLY)	3
BIO 1016 Intro to Human Disease (AA & AGS ONLY)	3
ENV 1010 Natural Disasters (AA & AGS ONLY)	3
GEY 1108 Geology of National Parks (AA & AGS ONLY)	3
SCI 1105 Science in Society (AA & AGS ONLY)	3

### Guaranteed Transfer Courses - Social and Behavioral Sciences

<b>Social &amp; Behavioral Sciences (HI1)</b>	
Select three courses; one must be History and no more than two courses from any one category.	
HIS 1310 Western Civilization: Antiquity to 1650	3
HIS 1320 Western Civilization: 1650 to Present	3
HIS 1110 The World: Antiquity to 1500	3
HIS 1120 The World: 1500 to Present	3
HIS 1210 U.S. History to Reconstruction	3
HIS 1220 U.S. History Since The Civil War	3
HIS 2140 Civil War Era in American History	3
HIS 2005 Women in World History	3
HIS 2125 American Environmental History	3
HIS 2115 American Indian History	3
HIS 2105 Women in U.S. History	3

<b>Social &amp; Behavioral Sciences (HI1)</b>	
Select three courses; one must be History and no more than two courses from any one category.	
HIS 2000 History of Science & Technology	3
HIS 2135 Colorado History	3
HIS 2130 History of the American West	3
HIS 2145 U.S. History since 1945	3
HIS 2610 History of Modern China	3
HIS 2200 History of Latin America	3
HIS 2210 History of Mexico	3
HIS 2015 20th Century World History	3
HIS 2500 History of Islamic Civilization	3
HIS 2110 African American History	3
HIS 2310 The History of Christianity in The World	3
HIS 2300 The Middle Ages	3
HIS 2510 Modern Middle East	3
HIS 2120 U.S. Foreign Relations Policy	3

<b>Economic &amp; Political Systems (SS1)</b>	
AGE 1102 Agriculture Economics	3
ECO 1001 Economics of Social Issues	3
ECO 2001 Principles of Macroeconomics	3
ECO 2002 Principles of Microeconomics	3
ECO 2011 Gender in The Economy	3
ECO 2045 Environmental Economics	3
POS 2020 Introduction to Political Science	3
POS 1011 American Government	3
POS 1025 American State and Local Government	3
POS 2005 International Relations	3
POS 1050 Current Political Issues	3
POS 2025 Comparative Government	3
<b>Geography (SS2)</b>	
GEO 1005 World Regional Geography	3
GEO 1006 Human Geography	3

<b>Human Behavior &amp; Social Systems (SS3)</b>	
AGR 2106 World Interdependence: Population & Food	3
ANT 1001 Cultural Anthropology	3
ANT 1002 Cultural Anthropology Lab	1
ANT 1004 Archaeology Lab	1
ANT 1006 Physical Anthropology Lab	1
ANT 1003 Introduction to Archaeology	3
ANT 1208 Archaeology of World Rock Artifacts	3
ANT 2115 Indians of North America	3
ANT 2125 Anthropology of Religion	3
ANT 2550 Medical Anthropology	3
COM 1250 Interpersonal Communication	3
COM 2300 Intercultural Communications	3
CRJ 1010 Introduction to Criminal Justice	3
ETH 2000 Introduction to Ethnic Studies	3
JOU 1005 Introduction to Mass Media	3
PSY 1001 General Psychology I	3
PSY 1002 General Psychology II	3
PSY 2105 Psychology of Gender	3
PSY 2107 Human Sexuality	3
PSY 2221 Social Psychology	3
PSY 2222 Psychology of Death and Dying	3
PSY 2331 Positive Psychology	3
PSY 2440 Human Growth & Development	3
PSY 2441 Child Development	3
PSY 2333 Health Psychology	3
PSY 2552 Abnormal Psychology	3
PSY 2771 Psychology of Personality	3
SOC 1001 Introduction to Sociology I	3
SOC 1002 Introduction to Sociology II	3
SOC 2005 Sociology of Family Dynamics	3
SOC 2007 Environmental Sociology	3

<b>Human Behavior &amp; Social Systems (SS3)</b>	
SOC 2015 Contemporary Social Problems	3
SOC 2016 Sociology of Gender	3
SOC 2018 Sociology of Diversity	3
SOC 2020 Sociology of Religion	3
<i>SOC 2031 Sociology of Deviant Behavior</i>	3
SOC 2037 Sociology of Death and Dying	3
WST 2000 Introduction to Women's Studies	3
WST 2100 Women & Social Action	3
WST 2200 Goddesses & Women of The Ancient World	3
WST 2300 Women's Sexuality	3

### Guaranteed Transfer Courses - Arts and Humanities

<b>Arts &amp; Expression (AH1)</b>	
Select three courses with no more than two courses from any one category	
<i>ART 1110 Art Appreciation</i>	3
<i>ART 1111 Art History Ancient to Medieval</i>	3
<i>ART 1112 Art History Renaissance to Modern</i>	3
<i>ART 1113 Art History 1900 to Present</i>	3
DAN 1050 History of Dance	3
ENG 2021 Creative Writing I	3
<i>MUS 1020 Music Appreciation</i>	3
<i>MUS 1021 Music History: Medieval through Classical Period</i>	3
<i>MUS 1022 Music History: Early Romantic Period to Present</i>	3
<i>MUS 1023 Survey of World Music</i>	3
<i>MUS 1025 History of Jazz</i>	3
<i>THE 1005 Theatre Appreciation</i>	3
<i>THE 1008 Theatre Script Analysis</i>	3
<i>THE 2011 Development of Theatre: Greek to Renaissance</i>	3
<i>THE 2012 Development of Theatre: Restoration to Modern</i>	3
THE 2015 Playwriting	3

<b>Literature and Humanities (AH2):</b>	
<i>HUM 1003 Introduction to Film Art</i>	3
<i>HUM 1015 World Mythology</i>	3
<i>HUM 1021 Humanities: Early Civilization</i>	3
<i>HUM 1022 Humanities: Medieval to Modern</i>	3
<i>HUM 1023 Humanities: Modern World</i>	3
<i>LIT 1015 Introduction to Literature</i>	3
LIT 2001 World Literature to 1600	3
LIT 2002 World Literature after 1600	3
LIT 2005 Ethnic Literature	3
LIT 2011 American Literature to Civil War	3
LIT 2012 American Literature after Civil War	3
LIT 2021 British Literature to 1770	3
LIT 2022 British Literature since 1770	3
LIT 2025 Introduction to Shakespeare	3
LIT 2046 Literature of Woman	3
LIT 2059 Survey of African American Literature	3
LIT 2068 Celtic Literature	3

<b>Ways of Thinking (AH3):</b>	
<i>PHI 1011 Introduction to Philosophy</i>	3
<i>PHI 1012 Ethics</i>	3
<i>PHI 1013 Logic</i>	3
<i>PHI 1014 Comparative Religions</i>	3
PHI 1015 World Religions-West	3
PHI 1016 World Religions-East	3
PHI 2005 Business Ethics	3
PHI 2014 Philosophy of Religion	3
PHI 2018 Environmental Ethics	3
PHI 2020 Philosophy of Death and Dying	3

<b>World Languages (AH4):</b>	
ASL 2221 American Sign Language IV	3
ASL 2222 American Sign Language V	3
FRE 2011 French Language III	3
FRE 2012 French Language IV	3
GER 2011 German Language III	3
GER 2012 German Language VI	3
ITA 2011 Italian Language III	3
ITA 2012 Italian Language IV	3
JPN 2011 Japanese Language III	3
JPN 2012 Japanese Language IV	3
RUS 2011 Russian Language III	3
RUS 2012 Russian Language IV	2
SPA 2011 Spanish Language III	3
SPA 2012 Spanish Language IV	3

Classes in Italics indicate the course is generally offered at least once every other year. Most are offered every year, but some rotate on an every other year basis with other courses.

### Approved A.A./A.S. Electives

Any course approved as a Guaranteed Transfer course (pages 43-46) can be used to fulfill the additional elective requirements for the Associate of Arts (A.A.) or Associate of Science (A.S.) degrees. In addition, the courses listed below may also be used as electives for the A.A. or A.S. degrees. Exceptions must be approved by the Vice President of Academic Affairs.

<b>AAA Any AAA courses numbered 100 or Higher:</b>	
ACC 1021 Accounting Principles I	4
ACC 1022 Accounting Principles II	4
AGR 2035 Precision Ag Operations	3
AGR 2036 Precision Farming Hardware	3
AGY 1100 General Crop Production	4
AGY 1010 Industrial Hemp Production	3
ANT Any course with an ANT Prefix	
ART Any course with an ART Prefix	
ASC 1100 Animal Sciences	3
ASC 1101 Animal Sciences Lab	1
ASC 1102 Intro to Equine Science	4
ASC 1105 Intro to Large Animal Anatomy	1
ASC 2125 Feeds & Feeding	4
ASC 2130 Farm Animal Anatomy & Physiology	3
AST Any course with an AST Prefix	

<b>BIO Any course with a BIO Prefix</b>	
BUS 1015 Introduction to Business	3
BUS 1016 Personal Finance	3
BUS 2003 Intro to International Business	3
BUS 2016 Legal Environment of Business	3
BUS 2017 Business Communication/Report Writing	3
BUS 2026 Business Statistics	3

<b>CHE Any course with a CHE Prefix except CHE 103</b>	
CIS 1018 Intro PC Applications	3
COM Any course with a COM Prefix	
CRJ Any course with a CRJ Prefix	

ECE 1011 Intro to Early Child Education	3
ECE 1045 Intro to Early Childhood Lab Tech	3
ECE 1031 Guidance Strategies for Children	3
ECE 2051 Nutrition, Health & Safety	3
ECE 2621 Curriculum Development: Methods/Tech	3
ECE 2381 Child Growth & Development	3
ECE 2401 Administrative Early Child Care/Education Professional	3
ECE 2411 Administrative Human Relations/Early Childhood Professional	3

ECO Any Course with an ECO Prefix	
EDU 2211 Introduction to Education	3
EDU 2341 Multicultural Education	3
EDU 2611 Teaching, Learning & Technology	3
EGG Any course with an EGG Prefix	
EMS 1015 First Responder	3
EMS 1021 EMS Fundamentals	3
ENG Any course with an ENG Prefix 100 or higher, except ENG 115, OR ENG 131 Technical Writing I: CO1	
ENV Any course with an ENV Prefix	
ETH Any course with an ETH Prefix	

FIN 2010 Principles of Finance	3
FRE Any course with a FRE Prefix	

GEO Any course with a GEO Prefix	
GEY Any course with a GEY Prefix	
GIS 1001 Introduction to GIS	3
GIS 1010 Introduction to Cartography for GIS	3

HIS Any course with an HIS Prefix	
HNR 1000 Honors Seminar	1
HPE Any course with an HPE Prefix	
HPR 1002 CPR for Professionals	5
HPR 1010 Dietary Nutrition	1
HPR 1038 Medical Terminology	2
HPR 2017 Kinesiology	4
HUM Any course with a HUM Prefix	
HWE 1050 Human Nutrition	3
HWE 1001 Community First Aid & CPR	1
HWE 1062 Health & Fitness	3
HWE 1003 Mental Health First Aid	1
HWE 1061 Fitness & Wellness	2
HWE 2060 Exercise/Nutrition & Body Composition	3

JOU Any course with a JOU Prefix	
LIT Any course with a LIT Prefix	

MAN 1028 Human Relations in Organizations	3
MAN 2000 Human Resource Management I	3
MAN 2015 Organizational Behavior	3
MAN 2016 Small Business Management	3
MAN 2026 Principles of Management	3
MAR 1011 Principles of Sales	3
MAR 2016 Principles of Marketing	3
MAR 2020 Principles of Advertising	3
MAT Any course with a MAT Prefix 112 or higher	
MGD 1004 Videography	3
MGD 1011 Adobe Photoshop I	3
MGD 1012 Adobe Illustrator I	3
MGD 1013 Adobe InDesign	3
MGD 1014 Typography I	3
MGD 1033 Graphic Design I	3
MGD 2011 Adobe Photoshop II	3
MUS Any course with a MUS Prefix	
NUR - Any three credits (Must be 200 Level)	

PED Up to a maximum of four PED credits can be used as AA/AS electives	
PHI Any course with a PHI Prefix	
PHY Any course with a PHY Prefix	
POS Any course with a POS Prefix	
PSY Any course with a PSY Prefix	

RAM 2005 Principles of Range Management	3
REA 1030 Applied & Technical Reading	2
REC Any course with a REC Prefix	

SCI Any course with a SCI Prefix	
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SOC Any course with a SOC Prefix	
SPA 1011 Spanish Language I	5
SPA 1012 Spanish Language II	5

THE Any course with a THE Prefix	
WST Any course with a WST Prefix	

## Degrees and Certificates

### AA Degrees

Anthropology Designation  
 Art History Designation  
 Associate of Arts  
 Business Designation  
 Communication Designation  
 Criminal Justice Designation  
 Early Childhood Teacher Education  
 Economics Designation  
 Elementary Teacher Education  
 English Designation  
 Geography Designation  
 History Designation  
 Music Designation  
 Philosophy Designation  
 Political Science Designation  
 Psychology Designation  
 Public Health Emphasis  
 Sociology Designation  
 Sports Management Emphasis  
 Studio Art Designation  
 T-Prep A.A. Early Childhood Education  
 T-Prep Elementary Education  
 T-Prep Special Education  
 Theatre Designation

### AS Degrees

Agriculture Business  
 Agriculture Education Designation  
 Animal Science  
 Associate of Science-General  
 Astronomy Emphasis  
 Biology Emphasis  
 Chemical Engineering  
 Chemistry Designation  
 Electrical Engineering  
 Engineering  
 Environmental Science Emphasis  
 Equine Science Designation  
 Forestry Emphasis  
 Geology  
 Horticulture Business Management  
 Mathematics Emphasis  
 Microbiology Emphasis  
 Natural Resources Management  
 Nutrition and Food Science - Dietetics  
 Physics  
 Pre-Chiropractic  
 Pre-Dental Hygiene Emphasis  
 Pre-Dentistry Emphasis  
 Pre-Medical Technician Emphasis  
 Pre-Medicine Emphasis

Pre-Mortuary  
 Pre-Nursing Emphasis (CU-Anschutz)  
 Pre-Nursing Emphasis (UNC)  
 Pre-Occupational Therapy Emphasis  
 Pre-Pharmacy Emphasis  
 Pre-Physical Therapy Emphasis  
 Pre-Physician's Assistant  
 Pre-Radiology Technician Emphasis  
 Pre-Respiratory Therapy  
 Pre-Surgery Technician Emphasis  
 Pre-Veterinary Medicine Emphasis  
 Psychology  
 Soil and Crop Science  
 Speech Pathology - Audiology  
 Sports Medicine-Athletic Training  
 Wildlife Biology Emphasis (Chemistry Focus)  
 Wildlife Biology Emphasis (Physics Focus)  
 Zoology Emphasis

## AGS Degrees

Agricultural Business Concentration  
 Agricultural Communication (Journalism) Concentration  
 Agricultural Education Concentration  
 Agriculture (General) Concentration  
 Animal Science Concentration  
 Associate of General Studies Degree (A.G.S.)  
 Equine Science Concentration  
 Range Management Concentration  
 Soil & Crop Science Concentration

## AAS Degrees

Agribusiness  
 Applied Management  
 Applied Technology  
 Associate Degree Nursing  
 Automotive Technology  
 Business: Accounting Emphasis  
 Business: Management Emphasis  
 Diesel Technology  
 Early Childhood Education  
 Emergency Medical Services  
 Equine Business Management  
 Equine Management  
 Fire Science Technologies  
 Industrial Automation  
 LPN to Associate Advanced Placement Option  
 Production Agriculture AAS  
 Welding Technology

## Certificates

Accounting Clerk I  
 Accounting Clerk II  
 Advanced Ag Business Management  
 Advanced Automotive Electrical  
 Agri-business  
 Automatic Transmission Service  
 Automotive & Diesel Master Technician  
 Automotive Brake Systems  
 Automotive Drivability & Emissions  
 Automotive Electrical  
 Automotive Engines

Automotive Heating & Air Conditioning  
 Automotive Maintenance and Inspection  
 Automotive Manual Powertrains & Clutches  
 Automotive Steering & Suspension  
 Basic Tax Preparation  
 Business Administration  
 Business Management  
 Commodity Marketing  
 Cosmetology  
 Criminal Justice  
 Diesel & Automotive Master Technician  
 Diesel Electrical  
 Diesel Engines  
 Diesel Heavy Duty Breaks  
 Diesel Heavy Duty Powertrains  
 Diesel Heavy Duty Steering & Suspension  
 Diesel HVAC  
 Diesel Hydraulics  
 Early Childhood Assistant Teacher  
 Early Childhood Director  
 Early Childhood Teacher  
 EMT Basic  
 Equine Business Management Certificate  
 Equine Management-Training  
 FCAW  
 Financial Analysis  
 Firefighter Advanced Level  
 Firefighter Basic Level  
 Firefighter Instructor  
 Forensic Psychology  
 Foundations of Business I  
 Foundations of Business II  
 GMAW  
 GTAW  
 Industrial Control  
 Industrial Electricity  
 Industrial Maintenance  
 Industrial Safety  
 Market Plan Development  
 Nanny/Infant Toddler Teacher  
 Nurse Aide Certificate of Achievement (NACT)  
 Oxy-fuel  
 Practical Nursing Certificate Exit Option  
 Precision Agriculture  
 Precision Agriculture-Advanced  
 Production Agriculture  
 Profit Maximization  
 Records and Business Planning  
 Rural Business Entrepreneurship  
 SMAW  
 T-Prep Early Childhood Education  
 Welding Fabricator  
 Wind Technician

## Statewide Transfer Policy

Transfer of Associate of Arts and Associate of Science Degrees. Effective for students who enter in the Fall 2003 semester, Colorado public four-year higher education institutions will honor the transfer of an Associate of Arts (A.A.) degree and the Associate of Science (A.S.) degree earned at a Colorado community college. A student who earns an A.A. or A.S. degree at a Colorado public community college, including completing the state guaranteed general education courses, with a grade of C or better in all courses will transfer with junior standing into any arts

and science degree program offered by a Colorado public four-year college.

## Four-Year College or University Transfer Curricula

Transfer programs are offered to students planning to continue at a senior institution and earn the baccalaureate degree. Any student who expects to transfer to a senior college from Northeastern Junior College is advised to write to the registrar of the proposed college(s) or university(s) for specific information concerning course work to be taken while attending NJC. Students who desire to pursue academic programs other than those listed should consult a counselor or faculty advisor for assistance in planning an appropriate program of study. Final responsibility for choice of program and individual course selections, however, rests with the student.

Acceptance, number of transferable credits, and class standing are always at the discretion of the institution to which the student plans to transfer. Private and public four-year colleges and universities, as well as out-of-state institutions, reserve the right to handle each case individually and to evaluate all course work completed as it relates to their requirements.

The college reserves the right to substitute courses for those no longer offered, to modify course content at any time, to approve the substitution of one course for another in any program or degree, or to waive any course prerequisite or co-requisite.

## Statewide Transfer Policy

Transfer of Associate of Arts and Associate of Science Degrees. Effective for students who enter in the Fall 2003 semester, Colorado public four-year higher education institutions will honor the transfer of an Associate of Arts (A.A.) degree and the Associate of Science (A.S.) degree earned at a Colorado community college. A student who earns an A.A. or A.S. degree at a Colorado public community college, including completing the state guaranteed general education courses, with a grade of C or better in all courses will transfer with junior standing into any arts and science degree program offered by a Colorado public four-year college.

The credits earned in the associate degree program will apply at minimum to 35 credit hours of lower division general education and 25 credit hours' additional graduation credits.

Since 1988, Colorado has had an operating two-plus-two transfer agreement that ensures a student who completes an AA or AS degree with a C or better in all courses will have junior standing, that is transfer 60 credit hours.

Because all liberal arts and sciences degrees are designed to be completed in 120 credit hours, a transfer student can complete a four-year degree in the same time as a native student, 120 hours. The receiving institution will evaluate credit for prior learning, Advanced Placement, and correspondence courses following its standard policy.

Transfer of General Education - Colorado's state guaranteed general education courses are designed to allow students to begin their general education courses at one Colorado public higher education institution and later transfer to another without loss of general education credits. Colorado policy ensures that students who successfully complete a state guarantee general education course will receive transfer credits applied to graduation requirements in all majors at all public institutions unless a specific statewide articulation agreement exists.

The state's guaranteed general education curriculum is organized into five categories: communication, mathematics, fine arts and humanities, social and behavioral sciences, and physical and life sciences.

To complete the Colorado state guaranteed general education core, students are required to take 35 to 37 semester credit hours and earn a C grade or better in each course. The guarantee is limited to the number of semester credit hours in each general education category.

All state guaranteed general education courses in communication, mathematics, arts and humanities, social and behavior science, and physical and life science shall be identified by a state-assigned common number.

When evaluating a transfer student's transcript, each Colorado public higher education institution will apply state guarantee general education credits to its general education graduation requirements. Institutions may require additional general education graduation requirements beyond the 35 semester credit hours of state guaranteed general education credits. If an institution requires less than 35 general education credits the institution will accept in transfer the full 35 credits and apply these credits toward a student's graduation requirements.

## Statewide Articulation Agreements

An Articulation Agreement is a statewide agreement among all Colorado community colleges and all four-year public institutions who offer a particular degree program. It is most commonly used for undergraduate professional programs that have specific course requirements established by accrediting or external licensure boards.

## Transfer Guides

Each institution is responsible for implementing a Transfer Guide for each CCHE-approved baccalaureate degree program unless a statewide articulation agreement is in place. The Transfer Guide shall be designed so that a student can complete a baccalaureate program in no more than 120 credit hours unless there are additional graduation requirements recognized by the Commission. The transfer guide defines the 25 credit hours required beyond the state guaranteed general education credits and may include required courses in the major or prerequisite courses for admission into the degree program. The transfer guides are to be on file with CCHE.

## Programs of Emphasis for University Transfer

Northeastern offers a variety of junior college courses necessary to prepare students for successful transfer. Programs of emphasis follow.

## Statewide Articulation Agreements- Associate of Arts (A.A.)

The number of statewide articulation agreements continues to increase. These agreements between two and four-year institutions ensures the student will take appropriate and required courses and provide for a smooth transfer to the four-year level. Students must complete all the courses with a "C" or better and no course substitutions are allowed. If course work is over 10 years-old it is up to the college if they want to apply it to the degree, but there is no guarantee course work that old will transfer. That would be up to the receiving institution.

Information on transfer agreements can be found at: <https://higher.ed.colorado.gov/transfer-degrees>.

## Graduation Requirements and Policies (A.A.)

1. Complete a minimum of 60 semester credits of approved coursework as outlined in the college catalog. Thirty-seven semester credits comprise the general education requirements for the A.A. The degree requires an additional 23 credits from the list of approved electives. Students should select their elective courses in consultation with their academic advisor based on the student's declared program of study and educational goal.
2. Earn a minimum cumulative grade point average of 2.0 (a "C" average).
3. Earn 15 semester credits of coursework prior to graduation through Northeastern.
4. Complete an Application for Graduation at <http://www.njc.edu>
5. Resolve all financial obligations to the college and return all library and college materials.

All students earning an Associate of Arts degree must complete 37 semester credits of the following general education requirements.

General Education Requirements	
Written Communication	6 total credits
ENG1021 (ENG121) English Composition I (GT-CO1) and ENG1022 (ENG122) English Composition II (GT-CO2)	6
Oral Communication (CCCS requirement)	3 total credits
COM1150 (COM115) Public Speaking or COM1250 (COM125) Interpersonal Communication or COM2300 (COM220) Intercultural Communication	3
Mathematics	3 minimum total credits
MAT1240 (MAT120) or higher. Any guaranteed transfer Math course except MAT1220 (MAT155) or MAT1230 (MAT156) (GT-MA1)	3-5 credits
Arts & Humanities-Social & Behavioral Sciences Combined	18 total credits
Two guaranteed transfer Arts & Humanities courses from two different categories (AH1, AH2, AH3, AH4) and	6
Two guaranteed transfer Social & Behavioral Sciences courses (SS1, SS2, SS3) and	6
One guaranteed transfer History course (HI1) and	3
One additional guaranteed transfer course from either Arts & Humanities or Social & Behavioral Sciences (AH1, AH2, AH3, AH4, SS1, SS2, SS3, or HI1)	3
Physical & Life Sciences	7 minimum total credits
Two guaranteed transfer Physical & Life Sciences courses including at least one lab course (SC1, SC2)	7
Electives	23 total credits
23 credits selected from the list of approved A.A.- A.S. Electives	23

### Elective Credits

Elective credits for Associate of Arts and Associate of Science degrees should be chosen in conjunction with the student's major and in consultation with their advisor. Transferability of these courses is dependent upon the transfer agreement developed with

each four-year college or university. It is in the student's best interest to see an advisor before selecting electives.

## Associate of Arts

TOTAL CREDITS **60**

CIP# 240101| BANNER# AA

The Associate of Arts (A.A.) degree is awarded to a student who successfully completes a program designed to transfer to a four-year college or university to earn a baccalaureate degree. The student who is pursuing a particular major at a four-year institution may wish to select a particular area of emphasis described in this catalog. Students pursuing a program of study that has a Statewide Articulation Agreement must meet those requirements.

### Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits-**3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits-**3-4**

Take one 3 or 4 credit minimum, [MAT1240](#) (MAT120) or higher. Any [GT-MA1 course](#) except MAT1220/1230 (MAT155/156).

### Arts and Humanities

Total Credits-**6**

Take two GT courses from two different categories [AH1](#), [AH2](#), [AH3](#) or [AH4](#).

### History

Total Credits-**3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits-**9**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories. One additional Guaranteed Transfer course from either Arts & Humanities or Social & Behavioral Sciences ([AH1](#), [AH2](#), [AH3](#), [AH4](#), [HI1](#), [SS1](#), [SS2](#), or [SS3](#)).

### Electives

Total Credits-**23**

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Anthropology Designation

TOTAL CREDITS **60**

CIP# 240101| BANNER# ANTH

### Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits-**3**

Course Number	Course Title	Credits
Choose one of the following courses		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits-**3-4**

Course Number	Course Title	Credits
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3

\*Please Note: Check with your advisor to choose the appropriate [GT-MA1](#) course, it may vary based on transfer institution.

### Arts and Humanities

Total Credits-**6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits-**3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits-**6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories.

### Natural and Physical Sciences

Total Credits-**8**

Take two GT courses from [GT-SC1](#) category.

### Program Requirements

Total Credits-**19**

Course Number	Course Title	Credits
ANT101 ANT1001	Cultural Anthropology: GT-SS3	3
ANT107 ANT1003	Introduction to Archaeology: GT-SS3	3
ANT111 ANT1005	Bio Anthropology: GT-SC1	4

Take one GT courses from AH1, AH2, AH3 or AH4 categories, and one GT course from SS2 or SS3 categories.



## Electives

Total Credits-**5-6**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Art History Designation

TOTAL CREDITS **60**

CIP# 240101| BANNER# ATHD

Art history is the study of art throughout the ages. The purpose of this type of history is to not only understand and appreciate certain pieces of art, but also the artists that created them. An art historian studies the different types and styles of art and artists throughout history and is often in a position to help others understand art better as well. Some art historians also try to preserve and restore pieces of art that have been damaged. Performing these duties often requires artistic abilities since they will need to recreate these pieces. Generally, a degree in art history will often help you secure employment in museums or art galleries. These types of organizations will often hire art history majors to obtain pieces of art and arrange exhibits. Some other possible careers for art history majors include university professors, archivists, museum registrars, museum technicians, preservationists, and art restorers.

## Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Mathematics

Total Credits-**3-4**

Take one [GT-MA1 course](#), prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits-**6**

Take two GT courses from [AH1, AH2, AH3](#) or [AH4](#) categories, except for the courses under Program Requirements.

## History

Total Credits-**3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits-**6**

Take two GT courses from [SS1, SS2, SS3](#) categories.

## Natural and Physical Sciences

Total Credits-**7**

Take two GT courses from the [SC1](#) or [SC2](#) category (one must be a SC1 course with a lab).

## Program Requirements

Total Credits-**18**

Course Number	Course Title	Credits
ART111 ART1111	Art History Ancient to Medieval GT-AH1	3

Course Number	Course Title	Credits
ART112 ART1112	Art History Renaissance to 1900: GT-AH1	3
ART121 ART1201	Drawing I	3
ART131 ART1002	Visual Concepts 2-D Design	3
ART132 ART1003	Visual Concepts 3-D Design	3
ART207 ART1113	Art History 1900 to Present: GT-AH1	3

## Electives

Total Credits-**10-11**

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Business Designation

TOTAL CREDITS **60**

CIP# 240101| BANNER# BSTR

Northeastern Business Transfer program is designed for the student with future goals of obtaining a baccalaureate degree. The transfer student can obtain an Associate of Arts degree with an emphasis in Business. The degree program contains the necessary general education courses and core business courses that enables a student to fulfill the first two years of a four-year business degree.

## Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits-**3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

## Mathematics

Total Credits-**8**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4
or		
MAT123 MAT1320	Finite Mathematics: GT-MA1	4
and		
MAT125 MAT1400	Survey of Calculus: GT-MA1	4
Or higher calculus course		

## Arts and Humanities

Total Credits-**6**

Course Number	Course Title	Credits
PHI205 PHI2005	Business Ethics: GT-AH3	3
and one GT course from AH1, AH2, AH3 or AH4 categories.		

## History

Total Credits-**3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits-**6**

Course Number	Course Title	Credits
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

## Natural and Physical Sciences

Total Credits-**8**

Take two GT courses from the [SC1](#) or [SC2](#) category. (one must be a SC1 course with a lab)

## Program Requirements

Total Credits-**12**

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
ACC111 ACC1011	Introduction to Financial Accounting	3
or		
ACC121 ACC1021	Accounting Principles I	4
ACC112 ACC1012	Introduction to Managerial Accounting	3
or		
ACC122 ACC1022	Accounting Principles II	4
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
BUS226 BUS2026	Business Statistics	3
CIS118 CIS1018	Introduction to PC Applications	3

\*Please Note: [BUS1015](#) (BUS115) is recommended during the first semester.

## Communication Designation

TOTAL CREDITS **60**

CIP# 240101| BANNER# COMD

The communication program at Northeastern gives students the introductory level course work required for most degrees. These courses provide students with insight into public presentation. This course work will benefit those students who wish to pursue careers in broadcasting, journalism, politics, law, public service, and education.

## Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Mathematics

Total Credits-**3-4**

Take one [GT-MA1 course](#), prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits-**6**

Take two GT courses from two different categories [AH1](#), [AH2](#), [AH3](#) or [AH4](#).

## History

Total Credits-**3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits-**6**

Course Number	Course Title	Credits
COM220 COM2300	Intercultural Communication: GT-SS3	3
Choose one additional GT course from SS1, SS2 or SS3 categories.		

## Natural and Physical Sciences

Total Credits-**7**

Take two GT course from the [SC1](#) or [SC2](#) categories for a total of 7 credits. (one must be a SC1 course with a lab)

## Program Requirements

Total Credits-**18**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM217 COM2220	Group Communication: GT-SS3	3
Choose two additional GT courses from either HI1, SS1, SS2 or SS3 categories. Choose an additional three-credit course with COM prefix.		

## Electives

Total Credits-**10-11**

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

**Please Note:** Additional COM courses beyond the 4 courses (12 credits) identified above may not count toward the Communication major at the receiving four-year institution.

## Criminal Justice Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# CRJT

Criminal Justice covers a wide range of career and professional fields including law enforcement, investigations, corrections, probation, parole, and administration of justice to name a few. Career opportunities are generally available from small rural communities to metropolitan areas, and everywhere in between. This *Degree with Designation* prepares students to transfer to four-year colleges and universities provided they complete all aspects of the degree.

## Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits-**3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

## Mathematics

Total Credits-**3-4**

Take one 3 or 4 credit GT-MA1 course, prefer [MAT1260](#) (MAT135).

**\*Please Note:** Consult with a Northeastern advisor in selecting the appropriate math course needs, as some four-year institutions require a specific math course.

## Arts and Humanities

Total Credits-**6**

Take two GT courses from two different categories from [AH1](#), [AH2](#), [AH3](#) or [AH4](#).

## History

Total Credits-**3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits-**6**

Course Number	Course Title	Credits
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3
Choose one additional 3 credit GT course from the SS3 category.		

## Natural and Physical Sciences

Total Credits-**8**

Take two GT course from the [SC1](#) or [SC2](#) categories for a total of 8 credits. (one must be a SC1 course with a lab)

## Program Requirements

Total Credits-**9**

Course Number	Course Title	Credits
CRJ110 CRJ1010	Introduction to Criminal Justice: GT-SS3	3
CRJ145 CRJ1045	Correctional Process	3
CRJ125 CRJ1025	Policing Systems	3

## Additional Program Requirements

Total Credits-**6**

Course Number	Course Title	Credits
Choose two of the following courses:		
CRJ127 CRJ1027	Crime Scene Investigation	3
CRJ135 CRJ1035	Judicial Function	3
CRJ205 CRJ2005	Principles of Criminal Law	3
CRJ209 CRJ2009	Criminal Investigation I	3
CRJ230 CRJ2030	Criminology	3
CRJ231 CRJ2031	Introduction to Forensic Science - Criminalist	3
CRJ235 CRJ2035	Delinquent Behavior	3
CRJ236 CRJ2036	CRJ Research Methods	3
CJR257 CJR2057	Victimology	3
CRJ268 CRJ2068	Criminal Profiling	3

## Electives

Total Credits-**9-10**

Course Number	Course Title	Credits
Choose three of the following courses:		
ANT212 ANT2315	Introduction to Forensic Anthropology: GT-SS3	4
COM217 COM2220	Group Communication: GT-SS3	3
POS111 POS1011	American Government: GT-SS1	3
POS125 POS1025	American State and Local Govt: GT-SS1	3
PSY207 PSY2770	Introduction to Forensic Psychology	3
PSY217 PSY2107	Human Sexuality: GT-SS3	3

Course Number	Course Title	Credits
Choose three of the following courses:		
PSY226 PSY2221	Social Psychology: GT-SS3	3
PSY249 PSY2552	Abnormal Psychology: GT-SS3	3
SOC231 SOC2031	Sociology of Deviant Behavior: GT-SS3	3

## Early Childhood Teacher Education

TOTAL CREDITS 60

CIP# 240101| BANNER# ECTD

For those who want the opportunity to provide a positive influence on the lives of children and their families, early childhood is a fascinating field in which to work. In addition to the A.A.S. degree and certificate programs in early childhood specified later in this catalog, a student can earn the A.A. in preparation for transfer into a four-year program.

### Written Communication

Total Credits-6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3

### Mathematics

Total Credits-4

Course Number	Course Title	Credits
MAT120 MAT1240	Math for Liberal Arts: GT-MA1	4

### Arts and Humanities

Total Credits-6

Course Number	Course Title	Credits
Below are the required courses for this designation.		
ART110 ART1110	Art Appreciation: GT-AH1	3
or		
MUS120 MUS1020	Music Appreciation: GT-AH1	3
or		
THE105 THE1005	Theatre Appreciation: AH1	2
and		
LIT115 LIT1015	Introduction to Literature I: GT-AH2	3
or		
LIT255 LIT2055	Children`s Literature	3

### History

Total Credits-3

Course Number	Course Title	Credits
HIS121 HIS1210	US History to Reconstruction: GT-HI1	3
or		
HIS122 HIS1220	US History since Civil War: GT-HI1	3

## Social and Behavioral Sciences

Total Credits-6

Course Number	Course Title	Credits
GEO105 GEO1005	World Regional Geography: GT-SS2	3
PSY101 PSY1001	General Psychology I: GT-SS3	3

## Natural and Physical Sciences

Total Credits-8

Course Number	Course Title	Credits
Must successfully pass both courses to satisfy the requirement.		
SCI155 SCI1055	Integrated Science I with Lab: GT-SC1	4
SCI156 SCI1056	Integrated Science II with Lab: GT-SC2	4

## Program Requirements

Total Credits-18

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE102 ECE1045	Introduction to ECE Techniques	3
ECE103 ECE1031	Guidance Strategies Young Children	3
ECE220 ECE2621	Curriculum Methods/Techniques	3
ECE238 ECE2381	ECE Child Growth & Development	3
ECE256 ECE2101	Working with Parents, Families & Community Systems	3

## Electives

Total Credits-9

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Economics Designation

TOTAL CREDITS 60

CIP# 240101| BANNER# ECON

The study of Economics prepares students for a variety of professions that emphasize the use of economics. Students who ultimately earn a bachelor's degree in Economics would most likely go in to obtain a graduate degree.

### Written Communication

Total Credits-6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG122 ENG1022	English Composition II: GT-CO2	3

## Mathematics

Total Credits-**8**

Course Number	Course Title	Credits
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
MAT201 MAT2410	Calculus I: GT-MA1	5

## Arts and Humanities

Total Credits-**9**

Take three GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits-**3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits-**6**

Course Number	Course Title	Credits
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

## Natural and Physical Sciences

Total Credits-**8**

Take two GT course from the [SC1](#) or [SC2](#) categories for a total of 8 credits. (one must be a SC1 course with a lab)

## Electives

Total Credits-**20**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Elementary Teacher Education

TOTAL CREDITS **60**

CIP# 240101| BANNER# EMTD

The elementary education program has specific general education and Program Requirements that prepare a student to transfer successfully to a four-year University's elementary education licensure program.

## Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3

\*Please Note: Some four-year institutions require a B or better in ENG1021 (ENG121).

## Oral Communication

Total Credits-**3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

## Mathematics

Total Credits-**6**

Course Number	Course Title	Credits
MAT155 MAT1220	Integrated Math I: GT-MA1	3
MAT156 MAT1230	Integrated Math II: GT-MA1	3

## Arts and Humanities

Total Credits-**3**

Course Number	Course Title	Credits
Choose one of the following courses.		
LIT115 LIT1015	Introduction to Literature I: GT-AH2	3
LIT201 LIT2001	World Literature to 1600: GT-AH2	3
LIT202 LIT2002	World Literature After 1600: GT-AH2	3
LIT211 LIT2011	American Literature to Civil War: GT-AH2	3
LIT221 LIT2021	British Lit to 1770: GT-AH2	3

## History

Total Credits-**3**

Course Number	Course Title	Credits
HIS121 HIS1210	US History to Reconstruction: GT-HI1	3

## Social and Behavioral Sciences

Total Credits-**6**

Course Number	Course Title	Credits
GEO105 GEO1005	World Regional Geography: GT-SS2	3
POS111 POS1011	American Government: GT-SS1	3

## Natural and Physical Sciences

Total Credits-**8**

Course Number	Course Title	Credits
SCI155 SCI1055	Integrated Science I with Lab: GT-SC1	4
SCI156 SCI1056	Integrated Science II with Lab: GT-SC2	4

\*Please Note: Students must successfully pass both classes to satisfy the requirements.

## Program Requirements

Total Credits-**6**

Course Number	Course Title	Credits
EDU221 EDU2211	Introduction to Education	3
PSY238 PSY2441	Child Development: GT-SS3	3

## Electives

Total Credits-**19**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

**\*Please Note:** For a list of courses designed to transfer to an institution other than the University of Northern Colorado, please visit the Academic Services Division in E S French 170.

## English Designation

TOTAL CREDITS **60**  
CIP# 240101 | BANNER# ENGD

The study of English prepares students for a variety of professions that emphasize the use of language. Students who ultimately earn a bachelor's degree in English would be prepared to enter graduate studies in law, communications, media, and business.

### Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits-**3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM225 COM2250	Organizational Communication	3

### Mathematics

Total Credits-**3-4**

Take one [GT-MA1 course](#), prefer [MAT1240](#) (MAT120).

### Arts and Humanities

Total Credits-**9**

Take three GT courses from at least two different categories from [AH1](#), [AH2](#), [AH3](#) or [AH4](#).

**\*Please Note:** Literature (LIT) courses will NOT be accepted to fulfill this requirement.

### History

Total Credits-**3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits-**6**

Take two GT courses from the [SS1](#), [SS2](#) or [SS3](#) categories.

### Natural and Physical Sciences

Total Credits-**8**

Take two GT courses from the [SC1](#) or [SC2](#) categories. (one must be a SC1 course with a lab)

## Program Requirements

Total Credits-**15**

Choose five GT Arts & Humanities Literature (LIT) courses from [AH2 category](#).

**\*Please Note:** Students are required to take a total of 5 LIT courses (15 credits), 4 of which must be at the 2000-level.

### Electives

Total Credits-**8**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page. [ENG2021](#) (ENG221) is strongly encouraged.

## Geography Designation

TOTAL CREDITS **60**  
CIP# 240101 | BANNER# GEOM

Geography is the science which seeks to understand the Earth in all its natural complexities, not just where objects are, but how they have changed and come to be. It is the bridge between human and physical science.

### Written Communication

Total Credits-**6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Mathematics

Total Credits- **3-4**

Take one 3 or 4 credit [GT-MA1](#) course, prefer [MAT1260](#) (MAT135).

**\*Please Note:** Check with your advisor for what MAT course your transfer institution requires.

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#) or [SS3](#) categories.

### Natural and Physical Sciences

Total Credits- **8**

Take two GT courses from the [SC1](#) or [SC2](#) category.

**\*Please Note:** NO GEO prefix science courses; GEY1111 (GEY111) not recommended.

## Program Requirements

Total Credits- **14**

Course Number	Course Title	Credits
<a href="#">GEO105</a> <a href="#">GEO1005</a>	World Regional Geography: GT-SS2	3
<a href="#">GEO106</a> <a href="#">GEO1006</a>	Human Geography: GT-SS2	3
<a href="#">GEO111</a> <a href="#">GEO1011</a>	Physical Geography: Landforms with Lab: GT-SC1	4
<a href="#">GEO112</a> <a href="#">GEO1012</a>	Physical Geography: Weather, Climate and Ecosystems with Lab: GT-SC1	4

## Electives

Total Credits- **13-14**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## History Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# HIST

The History program at Northeastern provides students with cultural histories from Western and non-Western civilizations, Paleolithic era through modern times. Such experience provides students with a wealth of information that promises to enrich their personal and educational lives.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

OR you can take ENG1022 (ENG122) and a GT-CO3 course.

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3

## Mathematics

Total Credits- **3-4**

Take one [GT-MA1 course](#), prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits- **9**

Take three GT courses from at least two different categories from [AH1](#), [AH2](#), [AH3](#) or [AH4](#).

## History

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">HIS101</a> <a href="#">HIS1310</a>	Western Civilization:Antiquity-1650: GT-HI1	3
<a href="#">HIS111</a> <a href="#">HIS1110</a>	The World: Antiquity-1500: GT-HI1	3

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT course from the [SS1](#), [SS2](#) or [SS3](#) categories.

## Natural and Physical Sciences

Total Credits- **7**

Take two GT courses from the [SC1](#) or [SC2](#) category. One must be a SC1 course with a lab.

## Program Requirements

Total Credits- **12**

Course Number	Course Title	Credits
<a href="#">HIS121</a> <a href="#">HIS1210</a>	US History to Reconstruction: GT-HI1	3
<a href="#">HIS122</a> <a href="#">HIS1220</a>	US History since Civil War: GT-HI1	3
Also choose one of the following courses.		
<a href="#">HIS102</a> <a href="#">HIS1320</a>	Western Civilization: 1650-Present: GT-HI1	3
<a href="#">HIS112</a> <a href="#">HIS1120</a>	The World: 1500-Present: HI1	3

And one additional GT course from the HI1 category.

## Electives

Total Credits- **10-11**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Music Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# MUSD

Northeastern offers several courses for students who are interested in the study of music. In addition to courses in music theory, music appreciation, and computer music, students may elect to pursue individualized music instruction or to participate in Northeastern's musical groups.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

OR you can take ENG1022 (ENG122) and a GT-CO3 course.

## Mathematics

Total Credits- **3-4**

Take one [GT-MA1](#) course, prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">MUS121</a> <a href="#">MUS1021</a>	Music History Medieval to Classical: GT-AH1	3
<a href="#">MUS122</a> <a href="#">MUS1022</a>	Music History Romantic to Present: GT-AH1	3

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#) or [SS3](#) categories.

## Natural and Physical Sciences

Total Credits- **7**

Take two GT courses from the [SC1](#) or [SC2](#) categories. (one must be a SC1 course with a lab)

## Program Requirements

Total Credits- **28**

Course Number	Course Title	Credits
<a href="#">MUS110</a> <a href="#">MUS1010</a>	Music Theory I	3
<a href="#">MUS111</a> <a href="#">MUS1011</a>	Music Theory II	3
<a href="#">MUS112</a> <a href="#">MUS1012</a>	Ear Training/Sightsigning I Lab	1
<a href="#">MUS113</a> <a href="#">MUS1013</a>	Ear Training/Sightsigning II Lab	1
<a href="#">MUS131</a> <a href="#">MUS1031</a>	Music Class I: (Piano)	2
<a href="#">MUS141</a> <a href="#">MUS1041</a>	Private Instruction - (specify)	1-2
<a href="#">MUS142</a> <a href="#">MUS1042</a>	Private Instruction - (specify)	1-2
<a href="#">MUS151</a> <a href="#">MUS1051</a>	Ensemble I:	1
<a href="#">MUS152</a> <a href="#">MUS1052</a>	Ensemble II:	1
<a href="#">MUS210</a> <a href="#">MUS2010</a>	Music Theory III	3
<a href="#">MUS211</a> <a href="#">MUS2011</a>	Music Theory IV	3
<a href="#">MUS212</a> <a href="#">MUS2012</a>	Advanced Ear Training and Sight-Singing I Lab	1
<a href="#">MUS213</a> <a href="#">MUS2013</a>	Advanced Ear Training and Sight-Singing II Lab	1
<a href="#">MUS241</a> <a href="#">MUS2041</a>	Private Instruction - (specify)	1-2
<a href="#">MUS242</a> <a href="#">MUS2042</a>	Private Instruction - (specify)	1-2
<a href="#">MUS251</a> <a href="#">MUS2051</a>	Ensemble III	1
<a href="#">MUS252</a> <a href="#">MUS2052</a>	Ensemble II	1

## Philosophy Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# PHIM

The philosophy courses at Northeastern are designed to help prepare students for almost any profession in society today. The primary emphasis in philosophy is critical thinking; therefore, these courses provide good preparation for students interested in criminal justice, law, education, and social work.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

OR you can take ENG1022 (ENG122) and a GT-CO3 course.

## Mathematics

Total Credits- **3-4**

Take one [GT-MA1](#) course, prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from at least two different categories from [AH1](#), [AH2](#), [AH3](#) or [AH4](#).

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT course from the [SS1](#), [SS2](#) or [SS3](#) categories.

## Natural and Physical Sciences

Total Credits- **7**

Take two GT courses from the [SC1](#) or [SC2](#) category (one must be a SC1 course with lab).

## Program Requirements

Total Credits- **9**

Course Number	Course Title	Credits
<a href="#">PHI111</a> <a href="#">PHI1011</a>	Introduction to Philosophy: GT-AH3	3
<a href="#">PHI112</a> <a href="#">PHI1012</a>	Ethics: GT-AH3	3
<a href="#">PHI113</a> <a href="#">PHI1013</a>	Logic: GT-AH3	3



### Additional Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
Choose two of the three courses listed below.		
PHI214 PHI2014	Philosophy of Religion: GT-AH3	3
PHI218 PHI2018	Environmental Ethics: GT-AH3	3
PHI220 PHI2020	Philosophy of Death and Dying: GT-AH3	3

### Electives

Total Credits- **13-14**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

### Political Science Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# POLS

Students who pursue a degree in political science study governments, public policies and political processes, systems, and political behavior. Political science subfields include political theory, political philosophy, political ideology, political economy, policy studies and analysis, comparative politics, international relations, and a host of related fields.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Mathematics

Total Credits- **3-4**

Take one [GT-MA1](#) course, prefer [MAT1260](#) (MAT135).

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

### Natural and Physical Sciences

Total Credits- **8**

Take two GT courses from the [SC1](#) category.

### Program Requirements

Total Credits- **12**

Course Number	Course Title	Credits
POS105 POS2020	Introduction to Political Science: GT-SS1	3
POS111 POS1011	American Government: GT-SS1	3
POS205 POS2005	International Relations: GT-SS1	3
POS225 POS2025	Comparative Government: GT-SS1	3

### Electives

Total Credits- **16**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

### Psychology Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# PSYA

The Psychology program offers students the opportunity to take a very comprehensive selection of courses. This program would prepare transfer students to pursue bachelor's degree in psychology, human services, counseling, social work, and other areas in the behavioral sciences. Students are encouraged to have a strong mathematics and statistics background and to take courses in the natural sciences (e.g. biology and chemistry) as well.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- **3-4**

Take one 3 or 4 credit GT-MA1 course, prefer [MAT1260](#) (MAT135).

**\*Please Note:** Consult with a Northeastern advisor in selecting the appropriate math course needs, as some four-year institutions require a specific math course.

## Arts and Humanities

Total Credits- **9**

Take three GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories. No more than two courses from any one category.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#) or [SS3](#) categories.

## Natural and Physical Sciences

Total Credits- **7-8**

Take one GT Biology course from [SC1 category](#) (must be a SC1 course with a lab). Also one SC1 course of the student's choosing.

## Program Requirements

Total Credits- **9**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">PSY101</a> <a href="#">PSY1001</a>	General Psychology I: GT-SS3	3
<a href="#">PSY102</a> <a href="#">PSY1002</a>	General Psychology II : GT-SS3	3
Choose an additional three Psychology (PSY) courses in the SS3 category.		

## Electives

Total Credits- **6-8**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Public Health Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER#

## Written Communication

Total Credits- **6**

Choose any [GT-CO1](#) and [GT-CO2](#) course or any [GT-CO2](#) and [GT-CO3](#) course.

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">MAT135</a>	Introduction to Statistics: GT-MA1	3

<a href="#">MAT1260</a>		
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## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">PSY101</a> <a href="#">PSY1001</a>	General Psychology I: GT-SS3	3
and choose one of the following courses		
<a href="#">PSY235</a> <a href="#">PSY2440</a>	Human Growth & Development: GT-SS3	3
<a href="#">PSY240</a> <a href="#">PSY2333</a>	Health Psychology: GT-SS3	3
<a href="#">PSY249</a> <a href="#">PSY2552</a>	Abnormal Psychology: GT-SS3	3

\*Please Note: PSY2220 Dynamics of Racism & Prejudice is not offered at Northeastern Junior College.

## Natural and Physical Sciences

Total Credits- **8**

Course Number	Course Title	Credits
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
and		
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
OR choose two of the following courses.		
<a href="#">BIO104</a> <a href="#">BIO1004</a>	Biology: A Human Approach: GT-SC1	4
<a href="#">BIO105</a> <a href="#">BIO1005</a>	Science of Biology: GT-SC1	4
<a href="#">ANT111</a> <a href="#">ANT1005</a>	Bio Anthropology: GT-SC1	4

## Program Requirements

Total Credits- **9**

Course Number	Course Title	Credits
Choose one of the following courses		
<a href="#">PHI112</a> <a href="#">PHI1012</a>	Ethics: GT-AH3	3
<a href="#">PHI113</a> <a href="#">PHI1013</a>	Logic: GT-AH3	3
Choose one of the following courses		
<a href="#">ANT250</a> <a href="#">ANT2550</a>	Medical Anthropology: GT-SS3	3
<a href="#">BIO116</a> <a href="#">BIO1016</a>	Introduction to Human Disease: GT-SC2	3
<a href="#">PSY227</a> <a href="#">PSY2222</a>	Psychology of Death/Dying: GT-SS3	3
<a href="#">PSY240</a> <a href="#">PSY2333</a>	Health Psychology: GT-SS3	3
Choose one GT course from MA1, SC1 or SC2 categories Below are the recommended courses for this degree.		
<a href="#">BIO204</a> <a href="#">BIO2104</a>	Microbiology with Lab: GT-SC1	4

Course Number	Course Title	Credits
Choose one of the following courses		
BIO216 BIO216	Human Pathophysiology	4
ENV101 ENV1111	Environmental Science with Lab: GT-SC1	4

\*Please Note: Credits not used to fulfill a requirement will be applied as elective credits.

### Electives

Total Credits- **14-16**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Sociology Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# SOCL

Sociology is the scientific study of society, including patterns of social relationships, social interaction, and culture. Sociologists study all things human, from the interactions between two people to the complex relationships between nations or multinational corporations. Students who study sociology learn to better understand themselves since sociology examines how the social world influences the way we think, feel, and act. Becoming aware of the social processes that influence the way humans think, feel, and behave enables individuals to shape the social forces they face.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- **3-4**

Take one 3 or 4 credit [GT-MA1 course](#), prefer [MAT1260](#) (MAT135).

\*Please Note: Consult with a Northeastern advisor in selecting the appropriate math course needs, as some four-year institutions require a specific math course.

### Arts and Humanities

Total Credits- **9**

Take three GT courses from two different areas [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from the [SS1](#), [SS2](#) or [SS3](#) categories.

### Natural and Physical Sciences

Total Credits- **8**

Take two GT courses from the [SC1](#) category.

### Program Requirements

Total Credits- **15**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3
SOC102 SOC1002	Introduction to Sociology II: GT-SS3	3
Choose an additional three Sociology courses from the SS3 category.		

### Electives

Total Credits- **6-7**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Sports Management Emphasis

TOTAL CREDITS **60**

CIP# 240101 | BANNER#

### Fall Freshman Year

Total Credits- **16**

Course Number	Course Title	Credits
REC120 REC1020	Introduction to Sport Management	3
BUS217 BUS2017	Business Communication/Report Writing	3
ENG121 ENG1021	English Composition I:GT-CO1	3
MAT121 MAT1340	College Algebra: GT-MA1	4
Choose one History Course from GT-HI1 category.		

### Spring Freshman Year

Total Credits- **16-17**

Course Number	Course Title	Credits
ACC121 ACC1021	Accounting Principles I	4
HWE124 HWE1061	Fitness and Wellness	2
ENG122 ENG1022	English Composition II: GT-CO2	3

Choose one GT Science course with lab from [SC1 category](#) and one GT course from [AH1](#), [AH2](#), [AH3](#), [AH4](#), [HI1](#), [SS1](#), [SS2](#) or [SS3](#). ([ECO2001](#) (ECO201) is highly recommended)

## Fall Sophomore Year

Total Credits- **13-14**

Course Number	Course Title	Credits
MAN226 MAN2026	Principles of Management	3
COM115 COM1150	Public Speaking	3

Choose one GT Science course with lab from [SC1 category](#) and one GT course from [AH1, AH2, AH3, AH4, HI1, SS1, SS2](#) or [SS3](#). ([ECO 2002](#) (ECO 202) is highly recommended.)

## Spring Sophomore Year

Total Credits- **13**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
MAR216 MAR2016	Principles of Marketing	3
HPE200 HPE2000	Perspectives in PE & Sport	3

Choose one GT course from [AH1, AH2, AH3, AH4](#), and one course from [SS2](#) or [SS3](#) category.

**\*Please Note:** Student will also choose one elective credit of their choice. Please consult an NJC Advisor to choose this course.

## Studio Art Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# SARD

A degree in Studio Art helps you hone and express your creativity while providing you with knowledge of a variety of artistic techniques. Your ability to transform sketches, data, and verbal instructions into works of art makes you stand out to employers who need creative thinkers. Other skills you offer to potential employers include strong critical thinking skills, graphic design and marketing skills, the ability to adapt techniques, tools, and materials to different creative processes, budgets, and final uses. Experience designing products to meet the needs and tastes of diverse clients and audiences and demonstrate the use of texture, contrast, and color combinations for visual impact. Here is a brief list of some popular careers Studio Art majors have found success in: conservator, fine artist (painter, sculptor, and illustrator), multimedia artist/ animator, and scientific artist.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Mathematics

Total Credits- **3-4**

Take one [GT-MA1 course](#), prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH2, AH3](#) or [AH4](#) categories. (No AH1 courses)

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from the [SS1, SS2](#) or [SS3](#) categories.

## Natural and Physical Sciences

Total Credits- **7**

Take two GT courses from the [SC1](#) or [SC2](#) category (one must be a SC1 course with a lab).

## Program Requirements

Total Credits- **21**

Course Number	Course Title	Credits
ART111 ART1111	Art History Ancient to Medieval GT-AH1	3
ART112 ART1112	Art History Renaissance to 1900: GT-AH1	3
ART121 ART1201	Drawing I	3
ART131 ART1002	Visual Concepts 2-D Design	3
ART132 ART1003	Visual Concepts 3-D Design	3
ART221 ART1202	Drawing II	3
Take one additional three credit Studio Art Course.		

## Electives

Total Credits- **8**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Theatre Designation

TOTAL CREDITS **60**

CIP# 240101 | BANNER# THRD

The Northeastern theatre program is designed to give students a firm foundation in the basics of the theatrical craft. Whether a student plans on a career in theatre or film, or just wants to expand his or her love of the art form, the program provides the tools to move forward in this very competitive world. The work done at Northeastern enables students to transfer to four-year institutions secure in the knowledge that they are grounded in the basics of the theatre world, enabling them to compete in the theatrical world at major universities. Coursework combines theoretical work and practical on-stage experience. Northeastern theatre productions are open to all students regardless of major.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Mathematics

Total Credits- **3-4**

Take one [GT-MA1 course](#), prefer [MAT1240](#) (MAT120).

## Arts and Humanities

Total Credits- **21**

Course Number	Course Title	Credits
<a href="#">THE105</a> <a href="#">THE1005</a>	Theatre Appreciation: GT-AH1	3
<a href="#">THE211</a> <a href="#">THE2011</a>	Development of Theatre: Greek Renaissance: GT-AH1	3
<a href="#">THE108</a> <a href="#">THE1008</a>	Theater Script Analysis: GT-AH1	3
<a href="#">THE111</a> <a href="#">THE1011</a>	Acting I	3
<a href="#">THE116</a> <a href="#">THE1016</a>	Technical Theatre	3
<a href="#">THE212</a> <a href="#">THE2012</a>	Development of Theatre Restoration to Modern: GT-AH1	3
<a href="#">THE215</a> <a href="#">THE2015</a>	Playwriting: GT-AH1	3

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from the [SS1, SS2](#) or [SS3](#) categories.

## Natural and Physical Sciences

Total Credits- **7**

Take two GT courses from the [SC1](#) or [SC2](#) category. (one must be a SC1 course with a lab)

## Program Requirements

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">THE131</a> <a href="#">THE1031</a>	Theatre Production I	3
<a href="#">THE132</a> <a href="#">THE1032</a>	Theatre Production II	3
<a href="#">THE231</a> <a href="#">THE2031</a>	Theatre Production III	3
<a href="#">THE232</a> <a href="#">THE2032</a>	Theatre Production IV	3

## Electives

Total Credits- **10-11**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## T-Prep A.A. Early Childhood Education

TOTAL CREDITS **60**

CIP:#131201

T-Prep is a unique and flexible program that provides tomorrow's teachers who are living and/or working in rural communities with a way to earn a four-year degree and teaching license without leaving home. By choosing a T-Prep pathway, your career opportunities will widen. In T-Prep, we prepare highly competent professionals who embrace the whole child in inclusive, culturally and linguistically diverse settings. Continuing your education can help to advance your knowledge and abilities to be an agent of social change and serve young children, youth and families more effectively. Obtaining a bachelor's degree now will prepare you to work in a variety of educational settings and prepare you to serve in leadership positions in the future. Additional schooling, spent in a caring, networked learning community, will be an asset to you. More specific information regarding the T-Prep program can be found on the NJC website at [NJC T-Prep](#).

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Below is recommended course for this degree or one (4 credit) <a href="#">GT-MA1</a> course.		
<a href="#">MAT120</a> <a href="#">MAT1240</a>	Math for Liberal Arts: GT-MA1	4

## Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
Choose two courses from the list below.		
<a href="#">ART110</a> <a href="#">ART1110</a>	Art Appreciation: GT-AH1	3
or		
<a href="#">MUS120</a> <a href="#">MUS1020</a>	Music Appreciation: GT-AH1	3
or		
<a href="#">THE105</a> <a href="#">THE1005</a>	Theatre Appreciation: GT-AH1	3
and		
<a href="#">LIT115</a> <a href="#">LIT1015</a>	Introduction to Literature I: GT-AH2	3
or		
<a href="#">LIT255</a> <a href="#">LIT2055</a>	Children`s Literature	3

## History

Total Credits- **3**

Course Number	Course Title	Credits
HIS121 HIS1210	US History to Reconstruction: GT-HI1	3

## Social and Behavioral Sciences

Total Credits- **9**

Course Number	Course Title	Credits
Choose three courses from the list below.		
PSY238 PSY2441	Child Development: GT-SS3	3
or		
ECE238 ECE2381	ECE Child Growth & Development	3
and		
PSY101 PSY1001	General Psychology I: GT-SS3	3
GEO105 GEO1005	World Regional Geography: GT- SS2	3

## Natural and Physical Sciences

Total Credits- **8**

Course Number	Course Title	Credits
SCI155 SCI1055	Integrated Science I with Lab: GT-SC1	4
SCI156 SCI1056	Integrated Science II with Lab: GT-SC2	4

## Program Requirements

Total Credits- **21**

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE145 ECE1045	Introduction to Early Childhood Education Techniques	3
ECE131 ECE1315	Nanny Methods & Techniques	3
ECE220 ECE2621	Curriculum Methods/Techniques	3
ECE111 ECE1111	Infant/Toddler Theory/Practice	3
ECE112 ECE1125	Infant/Toddler Lab Tech	3
ECE256 ECE2101	Working with Parents, Families & Community Systems	3

## Electives

There are no elective courses for this degree.

## T-Prep Elementary Education

TOTAL CREDITS **60**

CIP:#131202

T-Prep is a unique and flexible program that provides tomorrow's teachers who are living and/or working in rural communities with a way to earn a four-year degree and teaching license without leaving home. By choosing a T-Prep pathway, your career opportunities will widen. In T-Prep, we prepare highly competent professionals who embrace the whole child in inclusive, culturally and linguistically diverse settings. Continuing your education can help to advance your knowledge and abilities to be an agent of social change and serve young children, youth and families more effectively. Obtaining a bachelor's degree now will prepare you to

work in a variety of educational settings and prepare you to serve in leadership positions in the future.

Additional schooling, spent in a caring, networked learning community, will be an asset to you. More specific information regarding the T-Prep program can be found on the NJC website at [NJC T-Prep](#).

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Below is recommended course for this degree or choose <a href="#">MAT1240</a> (MAT120) or one (4 credit) <a href="#">GT-MA1</a> course.		
<a href="#">MAT155</a> <a href="#">MAT1220</a>	Integrated Math I: GT-MA1	3

### Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ART110</a> <a href="#">ART1110</a>	Art Appreciation: GT-AH1	3
<a href="#">MUS120</a> <a href="#">MUS1020</a>	Music Appreciation: GT-AH1	3
<a href="#">THE105</a> <a href="#">THE1005</a>	Theatre Appreciation: GT-AH1	3
Also choose one of the following courses.		
<a href="#">LIT115</a> <a href="#">LIT1015</a>	Introduction to Literature I: GT-AH2	3
<a href="#">LIT255</a> <a href="#">LIT2055</a>	Children's Literature	3

### History

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">HIS121</a> <a href="#">HIS1210</a>	US History to Reconstruction: GT-HI1	3

### Social and Behavioral Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Choose four courses from the list below.		
<a href="#">PSY101</a> <a href="#">PSY1001</a>	General Psychology I: GT-SS3	3
<a href="#">POS111</a> <a href="#">POS1011</a>	American Government: GT-SS1	3
and		

Course Number	Course Title	Credits
Choose four courses from the list below.		
<a href="#">PSY238</a> <a href="#">PSY2441</a>	Child Development: GT-SS3	3
or		
<a href="#">ECE238</a> <a href="#">ECE2381</a>	ECE Child Growth & Development	3
and		
<a href="#">GEO105</a> <a href="#">GEO1005</a>	World Regional Geography: GT-SS2	3
or		
<a href="#">GEO106</a> <a href="#">GEO1006</a>	Human Geography: GT-SS2	3

### Natural and Physical Sciences

Total Credits- **8**

Course Number	Course Title	Credits
<a href="#">SCI155</a> <a href="#">SCI1055</a>	Integrated Science I with Lab: GT-SC1	4
<a href="#">SCI156</a> <a href="#">SCI1056</a>	Integrated Science II with Lab: GT-SC2	4

### Program Requirements

Total Credits

Course Number	Course Title	Credits
<a href="#">EDU221</a> <a href="#">EDU2211</a>	Introduction to Education	3
<a href="#">EDU188</a> <a href="#">EDU1088</a>	Practicum I	1
<a href="#">EDU261</a> <a href="#">EDU2611</a>	Teaching, Learning & Technology	3
<a href="#">EDU234</a> <a href="#">EDU2341</a>	Multicultural Education	3
<a href="#">EDU288</a> <a href="#">EDU2088</a>	Practicum II	2
and		
<a href="#">EDU240</a> <a href="#">EDU2401</a>	Teaching the Exceptional Learners	3
or		
<a href="#">ECE260</a> <a href="#">ECE2601</a>	The Exceptional Child	3

### Electives

Total Credits- **3**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page. Recommended elective is [MAT1230](#) if the student took [MAT1220](#) for their GT-MA1 course.

## T-Prep Special Education

TOTAL CREDITS **60**

CIP# 131017

T-Prep is a unique and flexible program that provides tomorrow's teachers who are living and/or working in rural communities with a way to earn a four-year degree and teaching license without leaving home. By choosing a T-Prep pathway, your career opportunities will widen. In T-Prep, we prepare highly competent professionals who embrace the whole child in inclusive, culturally and linguistically diverse settings. Continuing your education can help to advance your knowledge and abilities to be an agent of social change and serve young children, youth and families more effectively. Obtaining a bachelor's degree now will prepare you to

work in a variety of educational settings and prepare you to serve in leadership positions in the future.

Additional schooling, spent in a caring, networked learning community, will be an asset to you. More specific information regarding the T-Prep program can be found on the NJC website at [NJC T-Prep](#).

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3

### Mathematics

Total Credits- **4**

Course Number	Course Title	Credits
Below are recommended courses for this degree or choose <a href="#">MAT1240</a> (MAT120) or one (4 credit) <a href="#">GT-MA1</a> course.		
<a href="#">MAT155</a> <a href="#">MAT1220</a>	Integrated Math I: GT-MA1	3
<a href="#">MAT156</a> <a href="#">MAT1230</a>	Integrated Math II: GT-MA1	3

### Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
	Choose one of the following courses.	
<a href="#">ART110</a> <a href="#">ART1110</a>	Art Appreciation: GT-AH1	3
<a href="#">MUS120</a> <a href="#">MUS1020</a>	Music Appreciation: GT-AH1	3
<a href="#">THE105</a> <a href="#">THE1005</a>	Theatre Appreciation: GT-AH1	3
Also choose one of the following courses.		
<a href="#">LIT115</a> <a href="#">LIT1015</a>	Introduction to Literature I: GT-AH2	3
<a href="#">LIT255</a> <a href="#">LIT2055</a>	Children`s Literature	3

### History

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">HIS121</a> <a href="#">HIS1210</a>	US History to Reconstruction: GT-HI1	3

### Social and Behavioral Sciences

Total Credits- **12**

Course Number	Course Title	Credits
	Choose four courses from the list below.	
<a href="#">PSY101</a> <a href="#">PSY1001</a>	General Psychology I: GT-SS3	3



Course Number	Course Title	Credits
POS111 POS1011	American Government: GT-SS1	3
	and	
PSY238 PSY2441	Child Development: GT-SS3	3
	or	
ECE238 ECE2381	ECE Child Growth & Development	3
	and	
GEO105 GEO1005	World Regional Geography: GT-SS2	3
	or	
GEO106 GEO1006	Human Geography: GT-SS2	3

### Natural and Physical Sciences

Total Credits- **7**

Course Number	Course Title	Credits
	Choose any <a href="#">GT-SC1</a> with a lab (minimum 4 credits) and any <a href="#">GT-SC1</a> or <a href="#">GT-SC2</a> course (minimum 3 credits) or the courses listed below.	
SCI155 SCI1055	Integrated Science I with Lab: GT-SC1	4
SCI156 SCI1056	Integrated Science II with Lab: GT-SC2	4

### Program Requirements

Total Credits- **18**

Course Number	Course Title	Credits
EDU221 EDU2211	Introduction to Education	3
EDU188 EDU1088	Practicum I	1
EDU261 EDU2611	Teaching, Learning & Technology	3
EDU234 EDU2341	Multicultural Education	3
EDU288 EDU2088	Practicum II	2
SPED SPED4400	Universal Design for Learning (UDL)	3
	and	
EDU240 EDU2401	Teaching the Exceptional Learners	3
	or	
EDU260 EDU2601	Adult Learning & Teaching	3

\*Please Note: [SPED4400](#) is a University of Colorado course required for the Special Education Degree. The course is offered Fall and Summer Semesters in an online/remote delivery mode. See an Academic Advisor for details and registration information.

### Electives

Total Credits- **0**

There are no elective courses for this degree.

## Statewide Articulation Agreements - Associate of Science (A.S.)

The number of statewide articulation agreements continues to increase. These agreements between two and four-year institutions ensure the student will take appropriate and required courses and provide for a smooth transfer to the four-year level. Students must complete all the courses with a "C" or better and no course substitutions allowed.

If course work is over 10 years old, it is up to the college if they want to apply it to the degree, but there is no guarantee course work that old will transfer. That would be up to the receiving institution.

### Graduation Requirements and Policies (A.S.)

- Complete a minimum of 60 semester credits of approved coursework as outlined in the college catalog. Thirty-nine semester credits comprise the general education requirement depending on which mathematics course is completed. The degree requires an additional 21 credits selected from the list of approved electives. Students should select their elective courses in consultation with their academic advisor based on the student's declared program of study and educational goal.
- Earn a minimum cumulative grade point average of 2.0 (a "C" average).
- Earn 15 semester credits of coursework prior to graduation through Northeastern.
- File an Application for Graduation.
- Resolve all financial obligations to the college and return all library and college materials.

All students earning an Associate of Science degree must complete 39 semester credits of the following general education requirements.

General Education Requirements	
<b>Written Communication</b>	<b>6 total credits</b>
ENG1021 (ENG121) English Composition I (GT-CO1) and ENG1022 (ENG122) English Composition II (GT-CO2) or	3+3
ENG1022 (ENG122) English Composition II (GT-CO2) and one Advanced Writing Course (GT-CO3)	3+3
<b>Oral Communication</b>	<b>3 total credits</b>
COM1150 (COM115) Public Speaking or COM1250 (COM125) Interpersonal Communication or COM2300 (COM220) Intercultural Communication	3
<b>Mathematics</b>	<b>3 total credits minimum</b>
MAT1340 (MAT121) College Algebra or	4
MAT1420 (MAT122) College Trigonometry or	3
MAT1440 (MAT166) Pre-Calculus or	5
MAT2410 (MAT201) Calculus I or	5
GT-MA1 or higher Math course	
<b>Arts &amp; Humanities</b>	<b>6 total credits</b>
Two guaranteed transfer Arts & Humanities courses from two different categories (AH1, AH2, AH3, AH4)	6
<b>Social &amp; Behavioral Sciences</b>	<b>6 total credits</b>

General Education Requirements	
Two guaranteed transfer Social & Behavioral Sciences courses (SS1, SS2, SS3, HI1)	6
<b>History</b>	<b>3 total credits</b>
One guaranteed transfer History course (HI1)	3
<b>Physical &amp; Life Sciences</b>	12 total credits minimum
One 2-lab course sequence in any guaranteed transfer science discipline (GT-SC1) and additional guaranteed transfer lab science course. (GT-SC1)	12
<b>Electives</b>	<b>21 total credits</b>
21 credits selected from the list of approved A.A.-A.S. Electives	21

### Elective Credits

Elective credits for Associate of Arts and Associate of Science degrees should be chosen in conjunction with the student's major and in consultation with their advisor. Transferability of these courses is dependent upon the transfer agreement developed with each four-year college or university. It is in the student's best interest to see an advisor before selecting electives.

## Associate of Science-General

TOTAL CREDITS **60**  
CIP# 240199 | BANNER# AS

The Associate of Science (A.S.) degree is awarded to a student who successfully completes a program designed to transfer to a four-year college or university to earn a baccalaureate degree. The student who is pursuing a particular major at a four-year institution may wish to select a particular area of emphasis described in this catalog. Students pursuing a program of study that has a Statewide Articulation Agreement must meet those requirements.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT122 MAT1420	College Trigonometry: GT-MA1	3

MAT166 MAT1440	Pre-Calculus: GT-MA1	5
Or you can take MAT2401 (MAT201) or higher GT-MA1 course. All credits over 3 apply to electives.		

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one *additional* [HI1](#) course.

### Natural and Physical Sciences

Total Credits- **12**

One 2-lab course sequence in any guaranteed transfer science discipline [GT-SC1](#) and additional guaranteed transfer lab science course(s). All credits over 12 apply to electives.

### Electives

Total Credits- **21**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

**Please Note:** Elective credits for Associate of Arts and Associate of Science degrees should be chosen in conjunction with the student's major and in consultation with his/her advisor. Transferability of these courses is dependent upon the transfer agreement developed with each four-year college or university. It is in the student's best interest to see an advisor before selecting electives.

## Agriculture Business

TOTAL CREDITS **60**  
CIP# 240199 | BANNER# AGBU

Agriculture Business contains coursework that prepares students to work in management, marketing, finance, and a wide variety of related careers within the agriculture industry.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

## Mathematics

Total Credits- **7**

Course Number	Course Title	Credits
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
and		
MAT121 MAT1340	College Algebra: GT-MA1	4
or		
MAT125 MAT1400	Survey of Calculus: GT- MA1	4
OR Higher Calculus course.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
AGE102 AGE1102	Agriculture Economics: GT-SS1	3
and		
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3

## Natural and Physical Sciences

Total Credits- **10**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
and		
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
or		
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5

## Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
CIS118 CIS1018	Introduction to PC Applications	3
Ag emphasis preferred for CIS1018 (CIS118)		
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3

## Program Requirements

Total Credits- **13**

Course Number	Course Title	Credits
Select a minimum of 13 credits from the list below. Choose at least two AGE prefix courses.		
ACC121 ACC1021	Accounting Principles I	4
AGE205 AGE2105	Farm and Ranch Management	3

Course Number	Course Title	Credits
AGE208 AGE2108	Agricultural Finance	3
AGE210 AGE2110	Agriculture Marketing	3
AGY100 AGY1100	General Crop Production	4
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4
ASC100 ASC1100	Animal Sciences	3
ASC225 ASC2125	Feeds and Feeding	4
ASC230 ASC2130	Farm Animal Anatomy & Physiology	3
ASC250 ASC2150	Live Animal/Carcass Evaluation	3
ASC288 ASC2188	Livestock Practicum	2
MAT125 MAT1400	Survey of Calculus: GT-MA1	4
RAM205 RAM2005	Range Management	3

## Agriculture Education Designation

TOTAL CREDITS **63**

CIP# 240199 | BANNER# AGRD

Agricultural Education is a great career path for those that would like to combine their interest in agriculture and their desire to teach and help others. It is the primary path for those wishing to teach Ag education in high school. Other career options are Extension Service and Sales, and industry positions involving the use of people skills.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT- CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
AGE102 AGE1102	Agriculture Economics: GT-SS1	3
and		
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3

## Natural and Physical Sciences

Total Credits- **10**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
or		
BIO221 BIO2121	Botany with Lab: GT-SC1	5
and		
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
or		
CHE111 CHE1111	General College Chemistry I with Lab: GT- SC1	5

## Program Requirements

Total Credits- **13**

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3
AGY100 AGY1100	General Crop Production	4
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4
AME105 AME1005	Basic Ag Mechanic Skills	2

## Program Requirements

Total Credits- **6-7**

Course Number	Course Title	Credits
Choose two of the following courses.		
ASC250 ASC2150	Live Animal/Carcass Evaluation	3
EDU221 EDU2211	Introduction to Education	3
HWE100 HWE1050	Human Nutrition	3
HLT100 HLT1000	Horticulture Science	4

## Program Requirements

Total Credits- **9**

Course Number	Course Title	Credits
Choose a minimum of 9 credits from the following list.		
AGE205 AGE2105	Farm and Ranch Management	3
ASC225 ASC2125	Feeds and Feeding	4
ASC230 ASC2130	Farm Animal Anatomy & Physiology	3
ASC288 ASC2188	Livestock Practicum	2

Course Number	Course Title	Credits
Choose a minimum of 9 credits from the following list.		
AME107 AME1007	General Power Mechanics	2
AME118 AME1018	Farm Carpentry	3
AME125 AME1025	Agricultural Machinery	3
AME151 AME1051	Fundamentals of Welding	3
RAM205 RAM2005	Range Management	3

## Animal Science

TOTAL CREDITS **60**

CIP# 240199n | BANNER# ANSC

The livestock sector needs well educated and trained individuals to manage production as well as processing operations. More specialized careers exist in animal care, breeding, nutrition, marketing, promotions, as well as research. A degree in Animal Science prepares students to transfer to Colorado State University.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT- CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4
or		
MAT125 MAT1400	Survey of Calculus: GT- MA1	4
OR Higher Calculus course.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [H11 category](#).

## Natural and Physical Sciences

Total Credits- **10**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
and		
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
or		
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5

## Program Requirements

Total Credits- **15**

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3
ASC225 ASC2125	Feeds and Feeding	4
ASC230 ASC2130	Farm Animal Anatomy & Physiology	3
ASC250 ASC2150	Live Animal/Carcass Evaluation	3
ASC288 ASC2188	Livestock Practicum	2

## Program Requirements

Total Credits- **7**

Course Number	Course Title	Credits
Select a minimum of 7 credits from the list below. Ag emphasis preferred for CIS1018 (CIS118).		
ACC121 ACC1021	Accounting Principles I	4
AGE205 AGE2105	Farm and Ranch Management	3
AGE208 AGE2108	Agricultural Finance	3
AGE210 AGE2110	Agriculture Marketing	3
CIS118 CIS1018	Introduction to PC Applications	3
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
RAM205 RAM2005	Range Management	3
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
CHE205 CHE	Introduction to Organic Chemistry with Lab	5
or		
CHE211 CHE2111	Organic Chemistry I with Lab	5

## Astronomy Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II:GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis. All credits over 3 apply to electives.		
MAT121 MAT1340	College Algebra: GT-MA1	4
Take one GT-MA1 course equal to or above MAT1340 (MAT121).		

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [H11](#) category.

### Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one *additional* [H11](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">AST101</a> <a href="#">AST1110</a>	Astronomy with Lab: Planetary Systems: GT-SC1	4
<a href="#">AST102</a> <a href="#">AST1120</a>	Stellar Astronomy with Lab: GT-SC1	4
<a href="#">PHY211</a> <a href="#">PHY2111</a>	Physics Calculus Based I with Lab: GT-SC1	5
<a href="#">PHY212</a> <a href="#">PHY2112</a>	Physics: Calculus Based II with Lab: GT-SC1	5

Take a sequence of two GT courses from the SC1 category, plus one more SC1 course. All credits over 12 apply to electives.

## Electives

Total Credits- **18**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5
<a href="#">MAT202</a> <a href="#">MAT2420</a>	Calculus II: GT-MA1	5
<a href="#">MAT203</a> <a href="#">MAT2430</a>	Calculus III: GT-MA1	4
<a href="#">MAT261</a> <a href="#">MAT2561</a>	Differential Equations: MA1	4

## Biology Emphasis

TOTAL CREDITS **60**

CIP# 240199 | BANNER# BIOD

Northeastern offers a comprehensive life and health sciences program. It will meet most of the entrance requirements for many of the allied health professions such as physical therapy, pharmacy, chiropractic, Pre-Dentistry, Pre-Medicine, and Pre-Veterinary medicine. In addition, this program is advantageous for students interested in wildlife management, forestry, or teacher licensure programs with an emphasis in biological sciences. Students will have a broad preparation and will gain the skills needed to enter some professional programs, industry, or other professions including biotechnology, Agribusiness, food industries, cosmetics, and sales. Students entering this program should have a strong science and mathematics background in high school.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
Take one GT-MA1 course equal to or above MAT1340 (MAT121).		
All credits over 3 apply to electives.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [H11](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one *additional* [H11](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">BIO204</a> <a href="#">BIO2104</a>	Microbiology with Lab: GT-SC1	4
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">PHY111</a> <a href="#">PHY1111</a>	Physics Algebra Based I with Lab: GT-SC1	5
<a href="#">PHY112</a> <a href="#">PHY1112</a>	Physics Algebra Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the SC1 category, plus one more SC1 course. All credits over 12 apply to electives.

## Electives

Total Credits- **21**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution

requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Chemical Engineering

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II:GT-CO2	3

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
MAT201 MAT2410	Calculus I: GT-MA1	5
MAT202 MAT2420	Calculus II: GT-MA1	5
All credits over 3 apply to electives.		

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- 6

Course Number	Course Title	Credits
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

Take two GT courses from SS1, SS2, SS3 categories or one course from SS1, SS2, SS3 and one additional HI1 course.

## Natural and Physical Sciences

Total Credits- 12

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
PHY211 PHY2111	Physics Calculus Based I with Lab: GT-SC1	5
PHY212 PHY2112	Physics: Calculus Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
MAT202 MAT2420	Calculus II: GT-MA1	5
MAT203 MAT2430	Calculus III: GT-MA1	4
CHE211 CHE2111	Organic Chemistry I with Lab	5
CHE212 CHE2112	Organic Chemistry II with Lab	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Chemistry Designation

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

The chemistry program at Northeastern is intended to give students the background necessary to succeed as a chemistry major at most four-year colleges. The curriculum includes courses in chemistry, mathematics, and physics.

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II:GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Mathematics

Total Credits- 14

Course Number	Course Title	Credits
MAT201 MAT2410	Calculus I: GT-MA1	5
MAT202 MAT2420	Calculus II: GT-MA1	5
MAT203 MAT2430	Calculus III: GT-MA1	4

## Arts and Humanities

Total Credits- **3**

Take one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **3**

Take one GT course from [SS1](#), [SS2](#), [SS3](#) or [HI1](#) categories.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">CHE211</a> <a href="#">CHE2111</a>	Organic Chemistry I with Lab	5
<a href="#">CHE212</a> <a href="#">CHE2112</a>	Organic Chemistry II with Lab	5
<a href="#">PHY211</a> <a href="#">PHY2111</a>	Physics Calculus Based I with Lab: GT-SC1	5
<a href="#">PHY212</a> <a href="#">PHY2112</a>	Physics: Calculus Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

## Electives

Total Credits- **1**

Consult with a Northeastern Advisor and select the credit needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

**\*Please Note:** This statewide transfer articulation agreement in Chemistry does not fulfill requirements for the GTPathways general education curriculum or the Associate of Science degree prior to transfer; however, this agreement does guarantee a student, if admitted, junior standing and completion of the baccalaureate degree within an additional 60 semester hours at the receiving institution.

1. Completion of the receiving institution's lower division general education requirements is fulfilled only under the condition that one GTPathways-approved course in arts and humanities ([AH1](#), [AH2](#), [AH3](#), or [AH4](#)) and one GTPathways-approved course in social and behavioral sciences ([SS1](#), [SS2](#), or [SS3](#)) are successfully completed at the receiving institution within the first 30 hours or 12 calendar months.
2. Students transferring to a 4-year college/university under this Chemistry agreement are encouraged to 'reverse' transfer the one GTPathways course in arts and humanities and the one GT Pathways course in social and behavioral sciences back to their community college in order to complete the GT Pathways general education program and to earn their Associate of Science degree with a Chemistry designation.
3. Lecture and laboratory portions of Organic Chemistry, [CHE2111](#) and [CHE2112](#) (CHE211 and CHE212), must not be taken in an online delivery format.

## Chiropractic Track

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3-4**

Take one [GT-MA1](#) course equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
<a href="#">BIO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">PHY111</a> <a href="#">PHY1111</a>	Physics Algebra Based I with Lab: GT-SC1	5
<a href="#">PHY112</a> <a href="#">PHY1112</a>	Physics Algebra Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one additional [SC1](#) course.



### Electives

Total Credits- **10**

Course Number	Course Title	Credits
CHE211 CHE2111	Organic Chemistry I with Lab	5
CHE212 CHE2112	Organic Chemistry II with Lab	5

### Dental Hygiene Track Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

#### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

#### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses. <a href="#">COM1150</a> (COM115) is preferred.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

#### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3

**\*Please Note:** Talk to your Advisor about specific transfer requirements for the University where you intend to transfer.

#### Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
PHI112 PHI1012	Ethics: GT-AH3	3

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

#### History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
PSY249 PSY2552	Abnormal Psychology: GT-SS3	3

### Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
All credits over 12 apply to electives.		

Take a sequence of two GT courses from [SC1](#) category, plus one additional [SC1](#) course.

### Electives

Total Credits

Course Number	Course Title	Credits
HPR139 HPR1039	Medical Terminology	2

OT110 through CSU Online is recommended

### Dentistry Track Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

#### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

#### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

#### Mathematics

Total Credits- **3-4**

Take one [GT-MA1](#) course equal to or above [MAT1340](#) (MAT121).

#### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1, SS2, SS3](#) categories or one course from [SS1, SS2, SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">PHY111</a> <a href="#">PHY1111</a>	Physics Algebra Based I with Lab: GT-SC1	5
<a href="#">PHY112</a> <a href="#">PHY1112</a>	Physics Algebra Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">CHE211</a> <a href="#">CHE2111</a>	Organic Chemistry I with Lab	5
<a href="#">CHE212</a> <a href="#">CHE2112</a>	Organic Chemistry II with Lab	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Electrical Engineering

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II:GT-CO2	3

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5
<a href="#">MAT202</a> <a href="#">MAT2420</a>	Calculus II: GT-MA1	5
All credits over 3 apply to electives.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1, AH2, AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3

Take two GT courses from [SS1, SS2, SS3](#) categories or one course from [SS1, SS2, SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">PHY211</a> <a href="#">PHY2111</a>	Physics Calculus Based I with Lab: GT-SC1	5
<a href="#">PHY212</a> <a href="#">PHY2112</a>	Physics: Calculus Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one additional [SC1 course](#).

## Electives

Total Credits

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">MAT203</a> <a href="#">MAT2430</a>	Calculus III: GT-MA1	4

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Engineering

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

Each four-year institution has different transfer requirements. Students who complete the engineering articulation agreement will have appropriate coursework to transfer on and work on their bachelor's degree. Students should research carefully the institutions they would consider transferring to and the specific requirements for the engineering field they wish to enter. Below is a sample course list that does not satisfy graduation requirements at the engineering schools. Please consult with an advisor for optimal class selection.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II:GT-CO2	3

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT201 MAT2410	Calculus I: GT-MA1	5
MAT202 MAT2420	Calculus II: GT-MA1	5
MAT203 MAT2430	Calculus III: GT-MA1	4
All credits over 3 apply to electives.		

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
PHY211 PHY2111	Physics Calculus Based I with Lab: GT-SC1	5
PHY212 PHY2112	Physics: Calculus Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Environmental Science Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II:GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121). All credits over 3 apply to electives.

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1, SS2, SS3](#) categories or one course from [SS1, SS2, SS3](#) and *one additional* [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
All credits over 12 apply to electives.		

## Electives

Total Credits

Below is the recommended course for this emphasis. Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

Course Number	Course Title	Credits
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5

## Equine Science Designation

TOTAL CREDITS 60  
CIP# 240199| BANNER#

The equine science program at Northeastern Junior College offers a seamless opportunity for students to transfer to a four-year institutions equine program. This program consists of general education, agriculture, and equine science courses. The equine industry continues to see significant growth in Colorado and throughout the western united States with many job opportunities for graduates.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
and		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
or		
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
OR Higher Calculus course.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1, AH2, AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
and		
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
or		
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3

## Natural and Physical Sciences

Total Credits- **10**

Course Number	Course Title	Credits
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
and		
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
or		
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5

## Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ASC102</a> <a href="#">ASC1102</a>	Introduction to Equine Science	4
<a href="#">ASC230</a> <a href="#">ASC2130</a>	Farm Animal Anatomy & Physiology	3

## Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
Choose two of the following courses		
<a href="#">ACC121</a> <a href="#">ACC1021</a>	Accounting Principles I	4
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3

Course Number	Course Title	Credits
Choose two of the following courses		
AGE208 AGE2108	Agricultural Finance	3
AGE210 AGE2110	Agriculture Marketing	3
CIS118 CIS1018	Introduction to PC Applications	3
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3

### Electives

Total Credits- 3-4

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

### Forestry Emphasis

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses. COM1150 (COM115) is preferred.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT125 MAT1400	Survey of Calculus: GT-MA1	4
All credits over 3 apply to electives.		

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- 6

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one *additional* [HI1](#) course.

### Natural and Physical Sciences

Total Credits- 12

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO112 BIO1112	General College Biology II with Lab: GT-SC1	5
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one additional [SC1 course](#).

### Electives

Total Credits

Below is the recommended course for this emphasis.

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

Course Number	Course Title	Credits
BIO221 BIO2121	Botany with Lab: GT-SC1	5

\*Please Note: Talk to your Advisor about specific transfer requirements for the University where you intend to transfer.

### Geology

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

The geology program at Northeastern is intended to give geology students the background necessary to succeed as geology majors at a four-year institution. The curriculum includes geology, chemistry, physics, and mathematics courses generally required for a Bachelor of Science degree in geology at a four-year institution.

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT- SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT201 MAT2410	Calculus I: GT-MA1	5
MAT202 MAT2420	Calculus II: GT-MA1	5
All credits over 3 apply to electives.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one *additional* [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
GEY111 GEY1111	Physical Geology with Lab: GT- SC1	4
GEY112 GEY1112	Historical Geology with Lab: GT-SC1	4
PHY211 PHY2111	Physics Calculus Based I with Lab: GT-SC1	5
PHY212 PHY2112	Physics: Calculus Based II with Lab: GT-SC1	5

Take a sequence of two GT courses from the [SC1](#) category, plus one additional [SC1](#) course. All credits over 12 apply to electives.

## Electives

Total Credits- **1**

Consult with a Northeastern Advisor and select the credit needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Horticulture Business Management

TOTAL CREDITS **60**

CIP# 240199 | BANNER# HBMD

Horticulture management programs prepare students for careers in nurseries, greenhouses, and florist shops, often as assistant managers or managers. The training includes classes in plant care, marketing and business management, and irrigation. Students typically want to go into the business of designing and developing new horticulture technologies and/or breeding new plant species. These career paths often include course work in plant physiology, plant genetics, soils, and plant nutrition.

**\*Please Note:** At the current time Northeastern does not offer any of the HLT or FLD courses needed for electives for this degree. We do offer all of the general education and other required courses.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
and		
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3
or		
AGE102 AGE1102	Agriculture Economics: GT-SS1	3

## Natural and Physical Sciences

Total Credits- **10**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
or		
BIO221 BIO2121	Botany with Lab: GT-SC1	5
and		
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
or		

<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
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### Program Requirements

Total Credits

Course Number	Course Title	Credits
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">BUS226</a> <a href="#">BUS2026</a>	Business Statistics	3
or		
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3

### Additional Requirements:

HLT240 (Not offered at NJC) or [AGY2140](#) (AGY240)  
HLT101 (Not offered at NJC) or HLT100 (Not offered at NJC) or  
[AGY1100](#) (AGY100)

### Electives

Total Credits- **7**

Choose additional HLT or FLD courses except for HLT208, HLT216 and HLT249; FLD100 & FLD289  
Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Mathematics Emphasis

TOTAL CREDITS **60**

CIP# 240199 | BANNER# MATH

Students are able to complete mathematics courses supplemented with studies in natural science and/or computer sciences. At Northeastern coursework can provide mathematics students with a strong foundation in mathematics, physics, chemistry, computer science, composition, speech, humanities, and social sciences, enabling them to be successful in their mathematics major at their transfer institution.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5
and		
<a href="#">MAT202</a> <a href="#">MAT2420</a>	Calculus II: GT-MA1	5

You can also take [MAT2430](#) (MAT203) or MAT204 (Not offered at NJC). All credits over 3 apply to electives.

## Arts and Humanities

Total Credits- **9**

Take three GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">PHY211</a> <a href="#">PHY2111</a>	Physics Calculus Based I with Lab: GT-SC1	5
<a href="#">PHY212</a> <a href="#">PHY2112</a>	Physics: Calculus Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

## Program Requirements

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">CSC160</a> <a href="#">CSC1060</a>	Computer Science I: (C++)	4

## Electives

Total Credits- **4-5**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Medical Technician Track Emphasis

TOTAL CREDITS **60**

CIP# 240199 | BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT201 MAT2410	Calculus I: GT-MA1	5
All credits over 3 apply to electives.		

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO112 BIO1112	General College Biology II with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1](#) course.

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
CHE211 CHE2111	Organic Chemistry I with Lab	5
CHE212 CHE2112	Organic Chemistry II with Lab	5
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO208 BIO2108	General College Microbiology with Lab: GT-SC1	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the Approved A.A.-A.S. Electives page.

## Medical Track Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT- SS3	3
COM220 COM2300	Intercultural Communication: GT- SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
MAT201 MAT2410	Calculus I: GT-MA1	5
All credits over 3 apply to electives.		

Take one [GT-MA1](#) course equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.



## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1, SS2, SS3](#) categories or one course from [SS1, SS2, SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">PHY111</a> <a href="#">PHY1111</a>	Physics Algebra Based I with Lab: GT-SC1	5
<a href="#">PHY112</a> <a href="#">PHY1112</a>	Physics Algebra Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">CHE211</a> <a href="#">CHE2111</a>	Organic Chemistry I with Lab	5
<a href="#">CHE212</a> <a href="#">CHE2112</a>	Organic Chemistry II with Lab	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Microbiology Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5
All credits over 3 apply to electives.		

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1, AH2, AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1, SS2, SS3](#) categories or one course from [SS1, SS2, SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO208</a> <a href="#">BIO2108</a>	General College Microbiology with Lab: GT-SC1	5
<a href="#">CHE211</a> <a href="#">CHE2111</a>	Organic Chemistry I with Lab	5
<a href="#">CHE212</a> <a href="#">CHE2112</a>	Organic Chemistry II with Lab	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Mortuary Track

TOTAL CREDITS **60**  
CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **3-4**

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
PSY101 PSY1001	General Psychology I: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the SC1 category, plus one more SC1 course.

### Electives

Total Credits-**7**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
ACC121 ACC1021	Accounting Principles I	4
CIS118 CIS1018	Introduction to PC Applications	3

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Natural Resources Management

TOTAL CREDITS **60**  
CIP #240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT122 MAT1420	College Trigonometry: GT-MA1	3
All credits over 3 apply to electives.		

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">GEY111</a> <a href="#">GEY1111</a>	Physical Geology with Lab: GT-SC1	4
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1](#) course.

## Electives

Total Credits

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Nursing Track Emphasis (UNC)

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3

Take one [GT-MA1](#) course equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">PHI112</a> <a href="#">PHI1012</a>	Ethics: GT-AH3	3

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ANT101</a> <a href="#">ANT1001</a>	Cultural Anthropology: GT-SS3	3
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3
<a href="#">PSY101</a> <a href="#">PSY1001</a>	General Psychology I: GT-SS3	3
<a href="#">SOC101</a> <a href="#">SOC1001</a>	Introduction to Sociology I: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended course for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1](#) course.

## Electives

Total Credits

Course Number	Course Title	Credits
<a href="#">BO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4
<a href="#">BIO204</a> <a href="#">BIO2104</a>	Microbiology with Lab: GT-SC1	4
<a href="#">PSY235</a> <a href="#">PSY2440</a>	Human Growth & Development: GT-SS3	3

## Nursing Track Emphasis (CU-Anschutz)

TOTAL CREDITS **60**  
CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **4**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
MAT121 MAT1340	College Algebra: GT-MA1	4

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

### Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
PHI111 PHI1011	Introduction to Philosophy: GT-AH3	3
PHI112 PHI1012	Ethics: GT-AH3	3

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended course for this emphasis.		
ANT101 ANT1001	Cultural Anthropology: GT-SS3	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3
PSY101 PSY1001	General Psychology I: GT-SS3	3
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended course for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO204 BIO2104	Microbiology with Lab: GT-SC1	4
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5

Consult with a Northeastern Advisor to select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

**\*Please Note:** [CHE1111](#) (CHE111) is required if the student did not take chemistry in high school

## Nutrition and Food Science - Dietetics

TOTAL CREDITS **60**  
CIP #240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
PSY101 PSY1001	General Psychology I: GT-SS3	3
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO204 BIO2104	Microbiology with Lab: GT-SC1	4
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
CHE205 CHE2105	Introduction to Organic Chemistry with Lab	5
CIS118 CIS1018	Introduction to PC Applications	3
HWE100 HWE1050	Human Nutrition	3
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
HPR139 HPR1039	Medical Terminology	2

## Occupational Therapy Track

### Emphasis

TOTAL CREDITS **60**  
CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Course Number Course Title Credits

Below is the recommended course for this emphasis.

MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
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All credits over 3 apply to electives.

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">PSY235</a> <a href="#">PSY2440</a>	Human Growth & Development: GT-SS3	3
<a href="#">PSY249</a> <a href="#">PSY2552</a>	Abnormal Psychology: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

**\*Please Note:** Can NOT take an online science course. May take hybrid if lab is a hands on lab.

### Electives

Total Credits

Course Number	Course Title	Credits
<a href="#">HPR139</a> <a href="#">HPR1039</a>	Medical Terminology	2

Talk to your Advisor about specific transfer requirements for the University where you intend to transfer.

## Pharmacy Track Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- **4**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3

Choose one additional GT course from [SS1](#), [SS2](#), [SS3](#) or [HI1](#) categories.

### Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">PHY111</a> <a href="#">PHY1111</a>	Physics Algebra Based I with Lab: GT-SC1	5
<a href="#">PHY112</a> <a href="#">PHY1112</a>	Physics Algebra Based II with Lab: GT-SC1	5

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

### Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4
<a href="#">BIO204</a> <a href="#">BIO2104</a>	Microbiology with Lab: GT-SC1	4
<a href="#">CHE211</a> <a href="#">CHE2111</a>	Organic Chemistry I with Lab	5
<a href="#">CHE212</a> <a href="#">CHE2112</a>	Organic Chemistry II with Lab	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Physician's Assistant Track

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
MAT201 MAT2410	Calculus I: GT-MA1	5

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1](#) category.

### Social and Behavioral Sciences

Total Credits- 6

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- 12

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO112 BIO1112	General College Biology II with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
PHY112 PHY1112	Physics Algebra Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Course Number	Course Title	Credits
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO208 BIO2108	General College Microbiology with Lab: GT-SC1	5
CHE211 CHE2111	Organic Chemistry I with Lab	5
CHE212 CHE2112	Organic Chemistry II with Lab	5
MAT166 MAT1440	Pre-Calculus: GT-MA1	5
MAT202 MAT2420	Calculus II: GT-MA1	5

## Physical Therapy Track Emphasis

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
PSY249 PSY2552	Abnormal Psychology: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
PHY112 PHY1112	Physics Algebra Based II with Lab: GT-SC1	5

Any credits over 12 apply to electives.

**\*Please Note:** Can NOT take an online science course. May take hybrid if lab is a hands on lab.

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
MAT122 MAT1420	College Trigonometry: GT-MA1	3
MAT201 MAT2410	Calculus I: GT-MA1	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

**\*Please Note:** Talk to your Advisor about specific transfer requirements for the University where you intend to transfer.

## Physics

TOTAL CREDITS **60**

CIP# 240199 | BANNER# PHYD

Students are able to complete the first two years of their physics or engineering program Northeastern. Classes provide engineering students a strong foundation in mathematics, physics, chemistry, and computer science, enabling them to be successful in their engineering major at their transfer institution.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT201 MAT2410	Calculus I: GT-MA1	5
and		
MAT202 MAT2420	Calculus II: GT-MA1	5
Also choose one of the following courses.		
MAT261 MAT2561	Differential Equations: MA1	4
MAT265 MAT2560	Differential Equations: GT-MA1	3
MAT266 MAT2562	Differential Equations with Linear Algebra	4

**\*Please Note:** You can also [MAT2430](#) (MAT203) or MAT204 (Not offered at NJC). All credits over 3 apply to electives.

## Arts and Humanities

Total Credits- **9**

Take three GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.



## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
PHY211 PHY2111	Physics Calculus Based I with Lab: GT-SC1	5
PHY212 PHY2112	Physics: Calculus Based II with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

**\*Please Note:** PHY213 is also required (Not offered at NJC).

## Psychology

TOTAL CREDITS **60**

CIP# 240199| BANNER# PSYS

The Psychology program offers students the opportunity to take a very comprehensive selection of courses. This program would prepare transfer students to pursue bachelor's degree in psychology, human services, counseling, social work, and other areas in the behavioral sciences. Students are encouraged to have a strong mathematics and statistics background and to take courses in the natural sciences (e.g. biology and chemistry) as well.

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

## Arts and Humanities

Total Credits- **9**

Course Number	Course Title	Credits
Choose one of the required courses for this emphasis,		
PHI111 PHI1011	Introduction to Philosophy: GT-AH3	3
or		
PHI112 PHI1012	Ethics: GT-AH3	3

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **10**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
All credits over 10 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

### Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
PSY101 PSY1001	General Psychology I: GT-SS3	3
PSY102 PSY1002	General Psychology II : GT-SS3	3

### Electives

Total Credits- **13**

Consult with a Northeastern Advisor and select the credits based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Radiology Technician Track Emphasis

TOTAL CREDITS **60**  
CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3
<a href="#">COM1150</a> (COM115) is preferred.		

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
PHY105 PHY1105	Conceptual Physics with Lab: GT-SC1	4
or		
PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
HPR139 HPR1039	Medical Terminology	2
HPR102 HPR1011	CPR Professionals	0.5
BIO116 BIO1016	Introduction to Human Disease: GT-SC2	3
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
CIS118 CIS1018	Introduction to PC Applications	3

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Respiratory Therapy Track

TOTAL CREDITS **60**  
CIP# 240199| BANNER# AS

### Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

### Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1, SS2, SS3](#) categories or one course from [SS1, SS2, SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4
All credits over 12 apply to electives.		

## Electives

Total Credits

Course Number	Course Title	Credits
<a href="#">BIO116</a> <a href="#">BIO1016</a>	Introduction to Human Disease: GT-SC2	3
<a href="#">PSY235</a> <a href="#">PSY2440</a>	Human Growth & Development: GT-SS3	3
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">HPR139</a> <a href="#">HPR1039</a>	Medical Terminology	2
<a href="#">HPR102</a> <a href="#">HPR1011</a>	CPR Professionals	0.5

## Soil and Crop Science

TOTAL CREDITS **60**

CIP:#240199| BANNER# AS

As stewards of the land, farmers and ranchers know the value of proper land management. A degree in Soil & Crop Sciences prepares students for careers in private and commercial food crop operations as well as feed and range systems. Students transferring to Colorado State University, the state's land-grant institution, will be well prepared upon completing this *Degree with Designation*. Articulation Agreement transfers into Soils & Crop Sciences - Production Emphasis. For other emphasis areas see advisor for specific requirements.

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
or		
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
or Higher Calculus course.		

## Arts and Humanities

Total Credits- **6**

Course Number	Course Title	Credits
Below is the required course for this emphasis.		
<a href="#">PHI113</a> <a href="#">PHI1013</a>	Logic: GT-AH3	3

Take one additional GT course from [AH1, AH2, AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Natural and Physical Sciences

Total Credits

Course Number	Course Title	Credits
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
or		
<a href="#">BIO221</a> <a href="#">BIO2121</a>	Botany with Lab: GT-SC1	5
and		
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
or		
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5

## Program Requirements

Total Credits- **17**

Course Number	Course Title	Credits
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3

## Program Requirements

Total Credits- **14**

Course Number	Course Title	Credits
Select a minimum of 14 credits from the list below.		
<a href="#">ACC121</a> <a href="#">ACC1021</a>	Accounting Principles I	4
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3
<a href="#">AGE208</a>	Agricultural Finance	3

Course Number	Course Title	Credits
Select a minimum of 14 credits from the list below.		
<a href="#">AGE2108</a>		
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">ASC225</a> <a href="#">ASC2125</a>	Feeds and Feeding	4
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">ECO201</a> <a href="#">ECO2001</a>	Principles of Macroeconomics: GT-SS1	3
<a href="#">GEY111</a> <a href="#">GEY1111</a>	Physical Geology with Lab: GT-SC1	4
<a href="#">HWE100</a> <a href="#">HWE1050</a>	Human Nutrition	3
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">PHY105</a> <a href="#">PHY1105</a>	Conceptual Physics with Lab: GT-SC1	4
<a href="#">PHY111</a> <a href="#">PHY1111</a>	Physics Algebra Based I with Lab: GT-SC1	5
<a href="#">PHY211</a> <a href="#">PHY2111</a>	Physics Calculus Based I with Lab: GT-SC1	5
<a href="#">RAM205</a> <a href="#">RAM2005</a>	Range Management	3

## Speech Pathology - Audiology

TOTAL CREDITS 60

CIP:#240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4

\*Please Note: [MAT1260](#) (MAT135) may substitute for [MAT1340](#) (MAT121)

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1](#) category.

### Social and Behavioral Sciences

Total Credits- 6

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- 12

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1](#) course.

### Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
In addition choose one course with CHE or PHY Prefix and one course with PSY or SOC Prefix.		
<a href="#">BIO105</a> <a href="#">BIO1005</a>	Science of Biology: GT-SC1	4
<a href="#">BIO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Sports Medicine-Athletic Training

TOTAL CREDITS 60

CIP:#240199| BANNER# AS

The Sports Medicine-Athletic Training degree at Northeastern is designed to introduce students to the demanding sports medicine career. Students gain knowledge in assessment and treatment of athletic injuries and have an opportunity to apply these skills to Northeastern's athletic teams. This program is designed to successfully transfer to a four-year university program.

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3

OR you can take ENG1022 (ENG122) and a GT-CO3 course.

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#). All credits over 12 apply to electives.

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
HPE102 HPE1002	Introduction to Sports Medicine	2
HPE188 HPE1088	Athletic Training Practicum I	1 to 3
HPE231 HPE2031	Care/Prevent Athletic Injuries	3
HPE288 HPE2088	Athletic Training Practicum II	2 to 3
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
CIS118 CIS1018	Introduction to PC Applications	3
HPR102 HPR1011	CPR Professionals	0.5
HPR217 HPR2017	Kinesiology	4
HWE237 HWE2060	Exercise, Nutrition & Body Comp	3

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Surgery Technician Track Emphasis

TOTAL CREDITS **60**

CIP# 240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
PSY101 PSY1001	General Psychology I: GT-SS3	3
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
BIO208 BIO2108	General College Microbiology with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Course Number	Course Title	Credits
HPR139 HPR1039	Medical Terminology	2

## Veterinary Medicine Track Emphasis

TOTAL CREDITS 60

CIP# 240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
MAT121 MAT1340	College Algebra: GT-MA1	4

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- 6

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- 12

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
All credits over 12 apply to electives.		

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

### Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO112 BIO1122	General College Biology II with Lab: GT-SC1	5
BIO204 BIO2104	Microbiology with Lab: GT-SC1	4
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

\*Please Note: Pre-Vet is not a major at a four-year institution. Students should also consult the requirements for their chosen major.

## Wildlife Biology Emphasis (Chemistry Focus)

TOTAL CREDITS 60

CIP:#240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5
<a href="#">PHY105</a> <a href="#">PHY1105</a>	Conceptual Physics with Lab: GT-SC1	4

All credits over 12 apply to electives.

Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

## Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">CHE112</a> <a href="#">CHE2112</a>	General College Chemistry II with Lab: GT-SC1	5
<a href="#">MAT201</a> <a href="#">MAT2410</a>	Calculus I: GT-MA1	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Wildlife Biology Emphasis (Physics Focus)

TOTAL CREDITS **60**

CIP:#240199| BANNER# AS

## Written Communication

Total Credits- **6**

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3
<a href="#">COM220</a> <a href="#">COM2300</a>	Intercultural Communication: GT-SS3	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

## Arts and Humanities

Total Credits- **6**

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

## Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

## Natural and Physical Sciences

Total Credits- **12**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">BIO112</a> <a href="#">BIO1112</a>	General College Biology II with Lab: GT-SC1	5

PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
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Take a sequence of two GT courses from the [SC1](#) category, plus one more [SC1 course](#).

### Electives

Total Credits

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
MAT201 MAT2410	Calculus I: GT-MA1	5
PHY112 PHY1112	Physics Algebra Based II with Lab: GT-SC1	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

### Zoology Emphasis

TOTAL CREDITS 60

CIP:#240199| BANNER# AS

### Written Communication

Total Credits- 6

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
and		
ENG122 ENG1022	English Composition II: GT-CO2	3
OR you can take ENG1022 (ENG122) and a GT-CO3 course.		

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3
COM220 COM2300	Intercultural Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Take one [GT-MA1 course](#) equal to or above [MAT1340](#) (MAT121).

### Arts and Humanities

Total Credits- 6

Take two GT courses from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- 3

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- 6

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3

Take two GT courses from [SS1](#), [SS2](#), [SS3](#) categories or one course from [SS1](#), [SS2](#), [SS3](#) and one additional [HI1](#) course.

### Natural and Physical Sciences

Total Credits- 12

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO112 BIO1112	General College Biology II with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
CHE112 CHE2112	General College Chemistry II with Lab: GT-SC1	5
PHY111 PHY1111	Physics Algebra Based I with Lab: GT-SC1	5
PHY112 PHY1112	Physics Algebra Based II with Lab: GT-SC1	5
PHY211 PHY2111	Physics Calculus Based I with Lab: GT-SC1	5
PHY212 PHY2112	Physics: Calculus Based II with Lab: GT-SC1	5
All credits over 12 apply to electives.		

### Electives

Total Credits

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
CHE205 CHE2105	Introduction to Organic Chemistry with Lab	5

Consult with a Northeastern Advisor and select the elective credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

### Associate of General Studies Degree (A.G.S.)

CIP 240102 (AGS)

The Associate of General Studies (A.G.S.) degree is available for individuals who desire to complete a broad instructional program with the flexibility to tailor individual learning experiences.

There are two types of A.G.S. degrees. This first type of the A.G.S. degree is designed to meet individual career goals with no intent of transferring to baccalaureate degree programs. It consists of a broad program of both career and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends upon the courses taken and the receiving institution. Fifteen of these semester hours must be in prescribed general education courses labeled as those accepted in the State Guarantee General Education Transfer and designated as such in the college catalog.

The second type of the A.G.S. degree is used as a technical pre-professional transfer degree with a major field specified. It is designed for students to transfer into a baccalaureate degree program with junior standing, based on a written articulation agreement with one or more designated institutions.



The course of study for the various fields of specialization must be outlined in the college catalog as well as the identification of the baccalaureate institution(s) that have agreed to accept the program in transfer. The other hours will be subject to the terms of the agreement with the baccalaureate institution(s).

### Graduation Requirements and Policies (A.G.S)

1. Complete a minimum of 60 semester credits of approved coursework.
2. Thirty (30) semester credits of the total coursework must be taken in general education and professional coursework. Students should select their elective courses in consultation with their academic advisor based on the student's declared program of study and educational goal. No more than 30 semester credits of coursework are to be in Career and Technical Education prefixed courses or community education courses.
3. Earn a minimum cumulative grade point average of 2.0 (a "C" average).
4. Earn 15 semester credits of coursework prior to graduation through Northeastern.
5. File an Application for Graduation.
6. Resolve all financial obligations to the college and return all library and college materials.

Students earning the Associate of General Studies degree must complete 30 semester credit hours of the following general education requirements. Any course designated as a Guaranteed Transfer Course will also fulfill a general education requirement for the A.G.S. degree in the appropriate category. Additional courses are listed under the respective categories below.

General Education Requirements	
<b>Written Communication</b>	<b>3 total credits</b>
ENG1015 (ENG115) Technical English & Communication	3
Oral Communication (CCCS requirement)	3 total credits
COM1150 (COM115) Public Speaking or COM1250 (COM125) Interpersonal Communication	3
<b>Mathematics</b>	<b>3 minimum total credits</b>
One guaranteed transfer Math course (GT-MA1)	3-5 credits
Arts & Humanities	3 total credits
See guaranteed transfer <b>Arts &amp; Humanities</b> courses (AH1, AH2, AH3, AH4) or	
LIT2055 (LIT255) Children's Literature	3
SPA1011 (SPA111) Spanish Language I	5
SPA1012 (SPA112) Spanish Language II	5
<b>Social &amp; Behavioral Sciences</b>	<b>3 total credits</b>
Combined	
See guaranteed transfer Social & Behavioral Sciences courses (SS1, SS2, SS3, HI1) or	
MAN1028 (MAN128) Human Relations-Organizations	3
One guaranteed transfer History course (HI1) and	3
One additional guaranteed transfer course from either Arts & Humanities or Social & Behavioral Sciences (AH1, AH2, AH3, AH4, SS1, SS2, SS3, or HI1)	3

General Education Requirements	
<b>Physical &amp; Life Sciences</b>	4 total credits minimum
See guaranteed transfer Physical & Life Sciences courses (SC1, SC2) or	
AGY1100 (AGY100) General Crop Production	4
HPR2017 (HPR217) Kinesiology	4

### Associate of General Studies Degree (A.G.S.)

TOTAL CREDITS **60**  
CIP# 240102 | BANNER# AGS

The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

#### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG115 ENG1015	Technical English & Communication	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3
ENG121 ENG1021	English Composition I:GT-CO1	3

\*Please Note: Take [ENG1015](#) (ENG115) or Higher English Course.

#### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

#### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this degree or any <a href="#">GT-MA1</a> course.		
MAT112 MAT1160	Financial Mathematics	3

## Arts and Humanities

Total Credits- **3**

Take one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis, or take any GT course from <a href="#">SS1</a> , <a href="#">SS2</a> , <a href="#">SS3</a> categories.		
<a href="#">MAN128</a> <a href="#">MAN1028</a>	Human Relation-Organizations	3

## Natural and Physical Sciences

Total Credits- **4**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis, or take any GT course from the <a href="#">GT-SC1</a> or <a href="#">GT-SC2</a> categories.		
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">HPR217</a> <a href="#">HPR2017</a>	Kinesiology	4

## Program Requirements

Total Credits- **11**

Choose an additional 11 credits of General Education Courses in any category or multiple categories.

## Electives

Total Credits- **30**

Consult with a Northeastern Advisor and select the credits needed based on the specific articulation agreement and transfer institution requirements. The list of approved electives can be found on the [Approved A.A.-A.S. Electives](#) page.

## Agricultural Business Concentration

TOTAL CREDITS **60**

CIP# 240102 | BANNER# AGS

Agriculture Business Concentration degree is designed to prepare students to transfer to an Agriculture Business Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of Agribusiness enterprises and settings. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

## Written Communication

Total Credits-**3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

\*Please Note: [ENG1031](#) (ENG131) is recommended for Transfer Degree.

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3

\*Please Note: [COM1150](#) (COM115) is recommended for Transfer Degree.

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT112</a> <a href="#">MAT1160</a>	Financial Mathematics	3

\*Please Note: [MAT1340](#) (MAT121) is recommended for Transfer Degree.

## Arts and Humanities

Total Credits- **3**

Take at least one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [H11 category](#).

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3

\*Please Note: [AGE1102](#) (AGE102) is recommended for the Agriculture Business Concentration.

## Natural and Physical Sciences

Total Credits- **4-5**

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the SC1 or SC2 categories.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the SC1 or SC2 categories.		
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4

\*Please Note: [BIO1111](#) (BIO111) or [CHE1011](#) (CHE101) or [CHE1111](#) (CHE111) are recommended for transfer degrees.

### Program Requirements

Total Credits- **12**

Agriculture Business concentration requirements

Course Number	Course Title	Credits
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">ECO201</a> <a href="#">ECO2001</a>	Principles of Macroeconomics: GT-SS1	3
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3

\*Please Note: It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

### Electives

Total Credits- **29**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">ASC225</a> <a href="#">ASC2125</a>	Feeds and Feeding	4
Consult with a Northeastern Advisor about additional approved electives.		

\*Please Note: Courses from any of the following GT categories can also be taken [GT-SC1](#), [SC-2](#), [GT-MA1](#), [GT-AH1](#), [AH2](#), [AH3](#), [AH4](#), [GT-H11](#), [GT-SS1](#), [SS2](#), [SS3](#). Consult an Northeastern Advisor for more information.

## Agricultural Communication (Journalism) Concentration

TOTAL CREDITS **60**

CIP# 240102 | BANNER# AGS

Agriculture Communication Concentration degree is designed to prepare students to transfer to an Agriculture Communication Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of Agriculture communication, marketing, advocacy, promotion, and leadership fields.

The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of of this customized degree program depends on the specific courses taken and may vary among receiving institutions.

The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

\*Please Note: [ENG1031](#) (ENG131) is recommended for Transfer Degree.

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3

\*Please Note: [COM1150](#) (COM115) is recommended for Transfer Degree.

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT112</a> <a href="#">MAT1160</a>	Financial Mathematics	3

\*Please Note: [MAT1340](#) (MAT121) is recommended for Transfer Degree.

## Arts and Humanities

Total Credits- **3**

Take a minimum of one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3

\*Please Note: [AGE1102](#) (AGE102) is recommended for the Agriculture Communication Concentration.

## Natural and Physical Sciences

Total Credits- **4-5**

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the <a href="#">SC1</a> or <a href="#">SC2</a> categories.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4

\*Please Note: [BIO1111](#) (BIO111) or [CHE1011](#) (CHE101) or [CHE1111](#) (CHE111) are recommended for transfer degrees.

## Program Requirements

Total Credits- **13**

Agricultural Communication concentration requirements

Course Number	Course Title	Credits
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">JOU105</a> <a href="#">JOU1005</a>	Introduction to Mass Media: GT-SS3	3

\*Please Note: [AGP1000](#) (AGP100) may be substituted for [AGY1100](#) (AGY100), credit can only be counted for one of the courses. It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

## Electives

Total Credits- **28**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">ASC225</a> <a href="#">ASC2125</a>	Feeds and Feeding	4
Consult with a Northeastern Advisor about additional approved electives.		

\*Please Note: Courses from any of the following GT categories can also be taken [GT-SC1](#), [SC-2](#), [GT-MA1](#), [GT-AH1](#), [AH2](#), [AH3](#), [AH4](#), [GT-HI1](#), [GT-SS1](#), [SS2](#), [SS3](#) and any JOU or MGD courses Consult an Northeastern Advisor for more information.

## Agricultural Education Concentration

TOTAL CREDITS **60**

CIP# 240102 | BANNER# AGS

Agriculture Education Concentration degree is designed to prepare students to transfer to an Agriculture Education Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in the industry of agriculture in variety of agricultural disciplines, enterprises, fields, and settings. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

## Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

\*Please Note: [ENG1031](#) (ENG131) is recommended for Transfer Degree.

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

\*Please Note: [COM1150](#) (COM115) is recommended for Transfer Degree.

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT112 MAT1160	Financial Mathematics	3

\*Please Note: [MAT1340](#) (MAT121) is recommended for Transfer Degree.

## Arts and Humanities

Total Credits- **3**

Take a minimum of one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
AGE102 AGE1102	Agriculture Economics: GT-SS1	3
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3

## Natural and Physical Sciences

Total Credits- **4-5**

Course Number	Course Title	Credits
Choose a course from the list below or any Advisor approved course from the <a href="#">GT-SC1</a> or <a href="#">GT-SC2</a> categories.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
AGY100 AGY1100	General Crop Production	4

## Program Requirements

Total Credits- **12-13**

Agricultural Education concentration requirements

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3
CIS118 CIS1018	Introduction to PC Applications	3

Course Number	Course Title	Credits
AGY100 AGY1100	General Crop Production	4
Choose one of the following courses.		
AME105 AME1005	Basic Ag Mechanic Skills	2
AME118 AME1018	Farm Carpentry	3
AME125 AME1025	Agricultural Machinery	3
AME151 AME1051	Fundamentals of Welding	3

\*Please Note: It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118). [AGP1000](#) (AGP100) may be substituted for [AGY1100](#) (AGY100), credit can only be counted for one of the courses.

## Electives

Total Credits- **29**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
ENG122 ENG1022	English Composition II: GT-CO2	3
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
BIO221 BIO2121	Botany with Lab: GT-SC1	5
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
MAT125 MAT1400	Survey of Calculus: GT-MA1	4
AGE102 AGE1102	Agriculture Economics: GT-SS1	3
AGE205 AGE2105	Farm and Ranch Management	3
AGE208 AGE2108	Agricultural Finance	3
EDU221 EDU2211	Introduction to Education	3
AGE210 AGE2110	Agriculture Marketing	3
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3
AGY100 AGY1100	General Crop Production	4
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4
AME105 AME1005	Basic Ag Mechanic Skills	2
AME118 AME1018	Farm Carpentry	3
AME125 AME1025	Agricultural Machinery	3
AME151 AME1051	Fundamentals of Welding	3
ASC102 ASC1102	Introduction to Equine Science	4
ASC225 ASC2125	Feeds and Feeding	4

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
ASC230 ASC2130	Farm Animal Anatomy & Physiology	3
ASC250 ASC2150	Live Animal/Carcass Evaluation	3
ASC288 ASC2188	Livestock Practicum	2
HLT100 HLT1000	Horticulture Science	4
RAM205 RAM2005	Range Management	3
Consult with a Northeastern Advisor about additional approved electives.		

**\*Please Note:** Courses from any of the following GT categories can also be taken [GT-SC1, SC-2, GT-MA1, GT-AH1, AH2, AH3, AH4, GT-HI1, GT-SS1, SS2, SS3](#). Consult an Northeastern Advisor for more information.

## Agriculture (General) Concentration

TOTAL CREDITS **60**  
CIP# 240102 | BANNER# AGS

Agriculture Concentration degree is designed to prepare students to transfer to an Agriculture Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of Agricultural disciplines or fields. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG115 ENG1015	Technical English & Communication	3
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3

**\*Please Note:** [ENG1031](#) (ENG131) is recommended for Transfer Degree.

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3

Course Number	Course Title	Credits
COM125 COM1250	Interpersonal Communication: GT-SS3	3

**\*Please Note:** [COM1150](#) (COM115) is recommended for Transfer Degree.

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT112 MAT1160	Financial Mathematics	3

**\*Please Note:** [MAT1340](#) (MAT121) is recommended for Transfer Degree.

### Arts and Humanities

Total Credits- **3**

Take a minimum of one GT course from [AH1, AH2, AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [HI1 category](#).

### Social and Behavioral Sciences

Total Credits- **3**

Take one GT course from the [SS1, SS2](#) or [SS3](#) categories

**\*Please Note:** [AGE1102](#) (AGE102) is recommended for the Agriculture General Concentration.

### Natural and Physical Sciences

Total Credits- **4-5**

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the <a href="#">SC1</a> or <a href="#">SC2</a> categories.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
AGY100 AGY1100	General Crop Production	4

**\*Please Note:** [BIO1111](#) (BIO111) or [CHE1011](#) (CHE101) or [CHE1111](#) (CHE111) are recommended for transfer degrees.

### Program Requirements

Total Credits- **6**

Agriculture (General) concentration requirements

Course Number	Course Title	Credits
CIS118 CIS1018	Introduction to PC Applications	3
ASC100 ASC1100	Animal Sciences	3

**\*Please Note:** It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

### Electives

Total Credits- **35**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">AME105</a> <a href="#">AME1005</a>	Basic Ag Mechanic Skills	2
<a href="#">AME118</a> <a href="#">AME1018</a>	Farm Carpentry	3
<a href="#">AME125</a> <a href="#">AME1025</a>	Agricultural Machinery	3
<a href="#">AME151</a> <a href="#">AME1051</a>	Fundamentals of Welding	3
<a href="#">ASC102</a> <a href="#">ASC1102</a>	Introduction to Equine Science	4
<a href="#">ASC225</a> <a href="#">ASC2125</a>	Feeds and Feeding	4
<a href="#">ASC230</a> <a href="#">ASC2130</a>	Farm Animal Anatomy & Physiology	3
<a href="#">ASC250</a> <a href="#">ASC2150</a>	Live Animal/Carcass Evaluation	3
<a href="#">ASC288</a> <a href="#">ASC2188</a>	Livestock Practicum	2
<a href="#">RAM205</a> <a href="#">RAM2005</a>	Range Management	3

Consult with a Northeastern Advisor about additional approved electives, 15 credits must be from AGE, ASC, AGY, AGR, AGP, AGB, EQM, EQT, HLT, ABM, RAM or courses approved by your Northeastern Advisor.

**\*Please Note:** Courses from any of the following GT categories can also be taken [GT-SC1](#), [SC-2](#), [GT-MA1](#), [GT-AH1](#), [AH2](#), [AH3](#), [AH4](#), [GT-HI1](#), [GT-SS1](#), [SS2](#), [SS3](#). Consult an Northeastern Advisor for more information.

## Animal Science Concentration

TOTAL CREDITS **60**

CIP# 240102 | BANNER# AGS

Animal Science Concentration degree is designed to prepare students to transfer to an Animal Science Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of Animal Science disciplines including animal production, nutrition, reproduction, breeding, genetics, animal health, meat science, or other related fields. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

**\*Please Note:** [ENG1031](#) (ENG131) is recommended for Transfer Degree.

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3

**\*Please Note:** [COM1150](#) (COM115) is recommended for Transfer Degree.

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT112</a> <a href="#">MAT1160</a>	Financial Mathematics	3

**\*Please Note:** [MAT1340](#) (MAT121) is recommended for Transfer Degree.

## Arts and Humanities

Total Credits- **3**

Take one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

## History

Total Credits- **3**

Take one GT course from the [HI1](#) category.

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3

\*Please Note: [AGE1102](#) (AGE102) is recommended for the Animal Science Concentration.

## Natural and Physical Sciences

Total Credits- **4-5**

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the <a href="#">SC1</a> or <a href="#">SC2</a> categories.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5

\*Please Note: [BIO1111](#) (BIO111) or [CHE1011](#) (CHE101) or [CHE1111](#) (CHE111) are recommended for transfer degrees.

## Program Requirements

Total Credits- **13**

Animal Science concentration requirements

Course Number	Course Title	Credits
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">RAM205</a> <a href="#">RAM2005</a>	Range Management	3
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4

\*Please Note: It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

## Electives

Total Credits- **28**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">AME105</a> <a href="#">AME1005</a>	Basic Ag Mechanic Skills	2
<a href="#">AME118</a> <a href="#">AME1018</a>	Farm Carpentry	3
<a href="#">AME125</a> <a href="#">AME1025</a>	Agricultural Machinery	3
<a href="#">AME151</a> <a href="#">AME1051</a>	Fundamentals of Welding	3
<a href="#">ASC102</a> <a href="#">ASC1102</a>	Introduction to Equine Science	4
<a href="#">ASC230</a> <a href="#">ASC2130</a>	Farm Animal Anatomy & Physiology	3
<a href="#">ASC288</a> <a href="#">ASC2188</a>	Livestock Practicum	2
<a href="#">RAM205</a> <a href="#">RAM2005</a>	Range Management	3

Consult with a Northeastern Advisor about additional approved electives.

\*Please Note: Courses from any of the following GT categories can also be taken [GT-SC1](#), [SC-2](#), [GT-MA1](#), [GT-AH1](#), [AH2](#), [AH3](#), [AH4](#), [GT-HI1](#), [GT-SS1](#), [SS2](#), [SS3](#). Consult an Northeastern Advisor for more information.



## Equine Science Concentration

TOTAL CREDITS **60**

CIP# 240102 | BANNER# AGS

Equine Science Concentration degree is designed to prepare students to transfer to an Equine Science Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of equine science disciplines including animal behavior, training, nutrition, reproduction, breeding, genetics, equine health, or other related fields. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

\*Please Note: [ENG1031](#) (ENG131) is recommended for Transfer Degree.

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3

\*Please Note: [COM1150](#) (COM115) is recommended for Transfer Degree.

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT112</a> <a href="#">MAT1160</a>	Financial Mathematics	3

\*Please Note: [MAT1340](#) (MAT121) is recommended for Transfer Degree.

### Arts and Humanities

Total Credits- **3**

Take a minimum of one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

### History

Total Credits- **3**

Take one GT course from the [H11](#) category.

### Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3

\*Please Note: [AGE1102](#) (AGE102) is recommended for the Equine Science Concentration.

### Natural and Physical Sciences

Total Credits- **4**

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the <a href="#">SC1</a> or <a href="#">SC2</a> categories.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5

\*Please Note: [BIO1111](#) (BIO111) or [CHE1011](#) (CHE101) or [CHE1111](#) (CHE111) are recommended for transfer degrees.

### Program Requirements

Total Credits- **13**

Equine Science concentration requirements

Course Number	Course Title	Credits
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">ASC102</a> <a href="#">ASC102</a>	Introduction to Equine Science	4
Choose one of the following courses.		
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3

\*Please Note: It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

### Electives

Total Credits- **28**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5

Course Number	Course Title	Credits
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">AME105</a> <a href="#">AME1005</a>	Basic Ag Mechanic Skills	2
<a href="#">AME118</a> <a href="#">AME1018</a>	Farm Carpentry	3
<a href="#">AME125</a> <a href="#">AME1025</a>	Agricultural Machinery	3
<a href="#">AME151</a> <a href="#">AME1051</a>	Fundamentals of Welding	3
<a href="#">ASC225</a> <a href="#">ASC2125</a>	Feeds and Feeding	4
<a href="#">ASC230</a> <a href="#">ASC2130</a>	Farm Animal Anatomy & Physiology	3
<a href="#">ASC250</a> <a href="#">ASC2150</a>	Live Animal/Carcass Evaluation	3
<a href="#">ASC288</a> <a href="#">ASC2188</a>	Livestock Practicum	2
<a href="#">RAM205</a> <a href="#">RAM2005</a>	Range Management	3

Consult with a Northeastern Advisor about additional approved electives.

**\*Please Note:** Courses from any of the following GT categories can also be taken [GT-SC1, SC-2, GT-MA1, GT-AH1, AH2, AH3, AH4, GT-HI1, GT-SS1, SS2, SS3](#). Consult an Northeastern Advisor for more information.

## **Range Management Concentration**

TOTAL CREDITS **60**

CIP# 240102 | BANNER# AGS

Range Management Concentration degree is designed to prepare students to transfer to a Range Management or Range Science Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of rangeland, agronomy, soils, horticulture, environmental, ecological, or natural resource fields. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees. The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of this customized

degree program depends on the specific courses taken and may vary among receiving institutions.

The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommended that the student consult with an Academic Advisor for more information and course selection.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

\*Please Note: [ENG1031](#) (ENG131) is recommended for Transfer Degree.

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3
<a href="#">COM125</a> <a href="#">COM1250</a>	Interpersonal Communication: GT-SS3	3

\*Please Note: [COM1150](#) (COM115) is recommended for Transfer Degree.

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT112</a> <a href="#">MAT1160</a>	Financial Mathematics	3

\*Please Note: [MAT1340](#) (MAT121) is recommended for Transfer Degree.

### Arts and Humanities

Total Credits- **3**

Take a minimum of one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

\*Please Note: [PHI1013](#) (PHI113) may be required for some transfer degrees. Consult an Academic Advisor for more information.

### Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3

\*Please Note: [AGE1102](#) (AGE102) is recommended for the Agriculture Communication Concentration.

### Natural and Physical Sciences

Total Credits- **4-5**

Course Number	Course Title	Credits
Choose one of the following courses, or any GT course from the <a href="#">SC1</a> or <a href="#">SC2</a> categories.		
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4

\*Please Note: [BIO1111](#) (BIO111) or [CHE1011](#) (CHE101) or [CHE1111](#) (CHE111) are recommended for transfer degrees.

### Program Requirements

Total Credits- **13**

Range Management concentration requirements

Course Number	Course Title	Credits
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">RAM205</a> <a href="#">RAM2005</a>	Range Management	3
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4

\*Please Note: It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

### Electives

Total Credits- **28**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
<a href="#">ENG122</a> <a href="#">ENG1022</a>	English Composition II: GT-CO2	3
<a href="#">BIO111</a> <a href="#">BIO1111</a>	General College Biology I with Lab: GT-SC1	5
<a href="#">CHE101</a> <a href="#">CHE1011</a>	Introduction to Chemistry I with Lab: GT-SC1	5
<a href="#">CHE111</a> <a href="#">CHE1111</a>	General College Chemistry I with Lab: GT-SC1	5
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">MAT125</a> <a href="#">MAT1400</a>	Survey of Calculus: GT-MA1	4
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3
<a href="#">AGE205</a> <a href="#">AGE2105</a>	Farm and Ranch Management	3
<a href="#">AGE208</a> <a href="#">AGE2108</a>	Agricultural Finance	3
<a href="#">AGE210</a> <a href="#">AGE2110</a>	Agriculture Marketing	3
<a href="#">AGR260</a> <a href="#">AGR2160</a>	World Interdependence /Population/Food: GT-SS3	3
<a href="#">AGY100</a> <a href="#">AGY1100</a>	General Crop Production	4
<a href="#">AGY240</a> <a href="#">AGY2140</a>	Introduction Soil Science: GT-SC1	4
<a href="#">AME105</a> <a href="#">AME1005</a>	Basic Ag Mechanic Skills	2

Course Number	Course Title	Credits
AME118 AME1018	Farm Carpentry	3
AME125 AME1025	Agricultural Machinery	3
AME151 AME1051	Fundamentals of Welding	3
ASC102 ASC1102	Introduction to Equine Science	4
ASC230 ASC2130	Farm Animal Anatomy & Physiology	3
ASC288 ASC2188	Livestock Practicum	2
RAM205 RAM2005	Range Management	3
HLT100 HLT1000	Horticulture Science	4

Consult with a Northeastern Advisor about additional approved electives.

**\*Please Note:** Courses from any of the following GT categories can also be taken [GT-SC1](#), [SC-2](#), [GT-MA1](#), [GT-AH1](#), [AH2](#), [AH3](#), [AH4](#), [GT-HI1](#), [GT-SS1](#), [SS2](#), [SS3](#). Consult an Northeastern Advisor for more information.

## Soil & Crop Science Concentration

TOTAL CREDITS 60

CIP# 240102 | BANNER# AGS

Soil & Crop Science Concentration degree is designed to prepare students to transfer to a Soil & Crop Science Baccalaureate degree program at a Land Grant Institution (Agriculture college or university) or for a career in a variety of agronomy, soils, horticulture, environmental, or natural resource fields. The Associate of General Studies (A.G.S.) degree is designed for individuals who desire a broad instructional program with the flexibility to tailor individual learning experiences. There are two types of AGS Degrees.

The first type of AGS degree is designed to meet individual career goals with no intent to transfer into a Baccalaureate degree program. It consists of both career & technical and traditional transfer courses without the constraints of specialization. Transferability of this customized degree program depends on the specific courses taken and may vary among receiving institutions. The Second type of AGS degree is a technical pre-professional transfer degree with a major or discipline field specified. It is designed to transfer into a specific Baccalaureate degree program based on an articulation agreement with one or more designated receiving institutions. The course of study for this type of degree is determined by the requirements of the articulation agreement and specific requirements are listed in the catalog. It is highly recommend that the student consult with an Academic Advisor for more information and course selection.

### Written Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG115 ENG1015	Technical English & Communication	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3

**\*Please Note:** [ENG1031](#) (ENG131) is recommended for Transfer Degree.

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

**\*Please Note:** [COM1150](#) (COM115) is recommended for Transfer Degree.

### Mathematics

Total Credits- 3-4

Course Number	Course Title	Credits
Choose one of the following courses, or any <a href="#">GT-MA1</a> course of at least 3 credits.		
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT112 MAT1160	Financial Mathematics	3

**\*Please Note:** [MAT1340](#) (MAT121) is recommended for Transfer Degree.

### Arts and Humanities

Total Credits- 3

Take a minimum of one GT course from [AH1](#), [AH2](#), [AH3](#) or [AH4](#) categories.

**\*Please Note:** [PHI1013](#) (PHI113) may be required for some transfer degrees. Consult an Academic Advisor for more information.

### Social and Behavioral Sciences

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
AGE102 AGE1102	Agriculture Economics: GT-SS1	3
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3

**\*Please Note:** [AGE1102](#) (AGE102) is recommended for the Soil & Crop Science Concentration

### Natural and Physical Sciences

Total Credits- 4-5

Course Number	Course Title	Credits
Choose a course from the list below or any Advisor approved course from the <a href="#">GT-SC1</a> or <a href="#">GT-SC2</a> categories.		
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
AGY100 AGY1100	General Crop Production	4

## Program Requirements

Total Credits- **14**

Soil & Crop Science concentration requirements

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3
CIS118 CIS1018	Introduction to PC Applications	3
AGY100 AGY1100	General Crop Production	4
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4

**\*Please Note:** It is recommended to take the "Agriculture Emphasis" section of [CIS1018](#) (CIS118).

## Electives

Total Credits- **27**

Course Number	Course Title	Credits
Below are the recommended courses for this emphasis.		
ENG122 ENG1022	English Composition II: GT-CO2	3
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CHE101 CHE1011	Introduction to Chemistry I with Lab: GT-SC1	5
CHE111 CHE1111	General College Chemistry I with Lab: GT-SC1	5
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
MAT125 MAT1400	Survey of Calculus: GT-MA1	4
AGE102 AGE1102	Agriculture Economics: GT-SS1	3
AGE208 AGE2108	Agricultural Finance	3
AGE210 AGE2110	Agriculture Marketing	3
AGR260 AGR2160	World Interdependence /Population/Food: GT-SS3	3
AGY100 AGY1100	General Crop Production	4
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4
AME105 AME1005	Basic Ag Mechanic Skills	2
AME118 AME1018	Farm Carpentry	3
AME125 AME1025	Agricultural Machinery	3
AME151 AME1051	Fundamentals of Welding	3
ASC102 ASC1102	Introduction to Equine Science	4
ASC230 ASC2130	Farm Animal Anatomy & Physiology	3
ASC288 ASC2188	Livestock Practicum	2
RAM205 RAM2005	Range Management	3

Consult with a Northeastern Advisor about additional approved electives.

**\*Please Note:** Courses from any of the following GT categories can also be taken GT-SC1, SC-2, GT-MA1, GT-AH1, AH2, AH3, AH4, GT-HI1, GT-SS1, SS2, SS3. Consult an Northeastern Advisor for more information.

## Second Associate Degree

### Earning Multiple Degrees-Certificates

CCCS and Northeastern recognizes that there are circumstances in which our students may require additional degrees/certificates for employment, transfer, or for personal growth and satisfaction. This guideline designates circumstances in which a student may earn a multiple credential including: Bachelor of Applied Science, Associate of Arts (including with designation), Associate of Science (including with designation), Associate of General Studies, Associate of Applied Science, and Certificate programs. Students may be awarded a second degree subject to the following stipulations:

1. Students can earn more than one A.A. or A.S. Degree with Designation in the same or subsequent terms. Required courses for one degree can be used for another degree.
2. Students can earn more than one A.A.S degree in the same or subsequent terms. Required courses for one degree can be used as electives for another degree.
3. Students cannot earn an A.A. Degree with Designation and a general A.A. degree using the same coursework.
4. Students cannot earn an A.S. Degree with Designation and a general A.S. degree using the same coursework.
5. This policy does not apply to students who may transfer to the community college system with a Bachelors of Arts or Bachelors of Science degree.

Degree Hierarchy:

- B.A.S. (Bachelor of Applied Science)
- A.A. and A.S. (Associate of Arts/Associate of Sciences Degrees with Designation)
- A.A. and A.S. (Associate of Arts/Associate of Science General Studies)
- A.G.S. (Associate of General Studies)
- A.A.S (Associate of Applied Science)

## Career & Technical Education (CTE)

A changing emphasis in education has so heightened the interest in career and technical education that more and more students are seeking college programs, which lead directly to gainful employment. Work in industry has become so highly specialized that general education no longer meets the number and variety of job demands; the student needs more skilled and specialized training today than ever before. To help meet these demands Northeastern offers a range of immediate employment programs developed in cooperation with business and industry. Programs may be a two-year Associate of Applied Science Degree or a Northeastern Certificate of one year or less.

Outstanding features of the career and technical education programs include modern equipment and facilities common to business or industry and a strong faculty with many years of workplace experience. The objectives of the career and technical programs are:

- To learn the essential skills and operational theory needed to ensure occupational competency
- To develop correct habits of work safety
- To cultivate desirable civic attitudes such as integrity, dependability, resourcefulness and cooperation
- To recognize the importance of technology in the workplace

Career and Technical Education programs may carry special admission requirements in addition to those included in this catalog under general admission procedures. All information regarding admission is available from the Office of Admission.

The college reserves the right to substitute courses for those no longer offered, to modify course content at any time, to approve the substitution of one course for another in any program or degree, or waive any course prerequisite or co-requisite.

## Associate of Applied Science Degree (A.A.S.)

The Associate of Applied Science (A.A.S.) degree is awarded to a student who successfully completes a program designed to prepare the student for immediate employment in a full-time skilled and/or paraprofessional occupation. Each of the college's A.A.S. degree programs in a specified occupational field. The program guides are located in the Career and Technical Education section of the catalog.

Although some college credits within these programs are accepted for transfer by particular four-year colleges and universities, career and technical education courses are not specifically designed to facilitate transfer. The student who anticipates transferring is encouraged to check carefully the requirements of the respective institution.

## Graduation Requirements and Policies (A.A.S.)

1. Complete between 60-75 semester credits of approved coursework as outlined in the college catalog. Exceptions to the A.A.S. degree maximum of 75 semester credit hours may be granted in those fields in which there is a demonstrated need that requires additional coursework. Since each A.A.S. program is designed for a specified career or technical field the minimum requirements will vary with the particular program. A minimum of 15 semester credits of the total must be in general education courses. The remaining credits must be earned as technical skills development coursework drawn from the specific career and technical program requirements.
2. Earn a minimum cumulative grade point average of 2.0 (a "C" average).
3. Earn 15 semester credits of coursework prior to graduation on the Sterling campus (or approved outreach center) of Northeastern.
4. File an Application for Graduation.
5. Resolve all financial obligations to the college and return all library and college materials.

## General Education Requirements (A.A.S.)

The requirements of each A.A.S. degree program and the specific general education courses that must be completed for each program are described in the following pages of the Career and Technical Education section. Courses that meet the general education requirements for each A.A.S. degree program are chosen from the following areas in Communications or Reading, Mathematics, Science or Computer Science, Social/Behavioral Sciences or Humanities.

Any course designated as a Guarantee Transfer Course will also fulfill a general education requirement for the A.G.S. degree in the appropriate category. Additional courses are listed under the respective categories follow.

Students must have at least one course in each of the following categories:

<b>Communication or Reading</b>	
ENG 1015 Technical English & Communication	3
ENG 1021 English Composition I	3
ENG 1022 English Composition II	3
ENG 1031 Technical Writing	3
REA 1030 Technical & Applied Reading	2
COM 1150 Public Speaking	3
COM 1250 Interpersonal Communications	3
COM 2400 Argumentation & Debate	3

<b>Mathematics</b>	
BUS 2026 Business Statistics OR	3
MAT 1260 Intro to Statistics	3
MAT 1100 Skilled Trades & Industrial Math	2
MAT 1120 Math for Clinical Calculations	3
MAT 1140 Career Math	3
MAT 1160 Financial Mathematics	3

<b>Science or Computer Science</b>	
AGB 2018 Computerized Farm Records	3
AGB 1002 Foundations of Agribusiness	3
AGY 1100 General Crops	4
ASC 1100 Animal Sciences	3
ASC 1102 Introduction to Equine Science	4
CHE 2105 Introduction to Organic Chemistry	5
CIS 1017 Intro to Technical Applications	3
CIS 1018 Introduction to PC Applications	3
CWB 1010 Complete Web Authoring	3
CWB 1030 Complete Web Editing	3
EDU 2651 Technology in Education	3
HPR 2017 Kinesiology	4
MGD 1001 Introduction to Computer Graphics	3
MGD 1041 Web Design I	3

<b>Social &amp; Behavioral Science - Humanities</b>	
BUS 1015 Introduction to Business	3
BUS 1016 Personal Finance	3
BUS 2003 Introduction to International Business	3
MAN 1028 Human Relations in Organization	3
PSY 2442 Child and Adolescent Psychology	3
SPA 1011 Spanish Language I	5
SPA 1012 Spanish Language II	5
<b>TOTAL SEMESTER CREDITS</b>	<b>15</b>

### Summary of Degree Requirements (A.A.S.)

1. General Education (chosen from the four basic areas in Communications or Reading, Mathematics, Science or Computer Science, and Social/Behavioral Sciences or Humanities)
  2. Specific A.A.S. program courses and electives (45-60)
- TOTAL SEMESTER CREDITS (60-75)**

## Agribusiness

TOTAL CREDITS 68

CIP# 010101 | BANNER# AGB1

Agribusiness is broad program that prepares the student to enter careers in the many allied industries that support production agriculture. Career opportunities exist in agricultural inputs such as seed, feed, fertilizer, equipment, genetics, animal health products, technology, and other services that support the production of crops and livestock. Agriculture finance, marketing, consulting, agronomy services, crop input application, retail sales, and precision agriculture are among the many other career opportunities for successful graduates of the program. The program offers students the flexibility to specialize in an agricultural discipline such as agronomy or livestock production or to build a diversified set of skills in multiple aspects of agribusiness. This flexibility allows the student to customize their program of study based on individual career goals.

The Agribusiness program at Northeastern is designed for a student who plans on going directly into the industry after completion and is not intended to transfer to a four-year institution. Program requirements consists of coursework (60 credits) and an industry work experience internship (8 credits) for a total of 68 credits.

### Written Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG115 ENG1015	Technical English & Communication	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3
ENG121 ENG1021	English Composition I:GT-CO1	3

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
MAT107 MAT1140	Career Math: Program Emphasis	3

Choose MAT1140 (MAT107) or higher Math course.

### Science or Computer Science

Total Credits- 7

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3
and		
AGP100 AGP1000	Practical Crop Production	4
or		
AGY100 AGY1100	General Crop Production	4

## Social & Behavioral Science

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
AGB102 AGB1002	Foundations of Agricultural business	3
AGE102 AGE1102	Agriculture Economics: GT-SS1	3

### Program Requirements

Total Credits- 27

Course Number	Course Title	Credits
AGB218 AGB2018	Computerized Farm Records	3
AGB120 AGB1020	Agricultural Salesmanship	3
AGB228 AGB2028	Agribusiness Management	3
AGB289 AGB2089	Agri-Business Capstone	1
AGE210 AGE2110	Agriculture Marketing	3
BUS217 BUS2017	Business Communication/Report Writing	3
CIS118 CIS1018	Introduction to PC Applications	3
AGB180 AGB1080	Agricultural Business Internship I	8

### Electives

Total Credits- 22

Choose a minimum of 22 credits of elective courses. Elective courses may be taken from any of the following course disciplines (prefixes): ACC, ABM, AGB, AGE, AGR, AGY, AME, AVT, BUS, EQM, EQT, HLT, IMA, MAN, MAR, RAM, or WEL. Other courses may be approved by the Academic Advisor for use as elective(s).

\*Please Note: There are a total of 68 credits (minimum) for this degree including the 8 credit Internship.

## Applied Management

CIP# 520201 | BANNER# BSAM

The Associate of Applied Science Degree in Applied Management (A.A.S.) is designed to meet the needs of individuals who have acquired post high school occupationally related training at any community college, technical institute, military service school, proprietary school, or industry-related school in the business, health, or technical fields.

This program builds on the student's previous one or more years of training in technical skills-related programs, but also includes courses that will provide entrepreneurial training necessary to obtain management level employment appropriate to the Associate of Applied Science Degree and former technical training. Finally, the program requires a variety of general education courses that enable the individual to understand and appreciate his/her societal responsibilities.

The following types of occupations are examples of how this program would work.

Prior Technical Training (30 Credits)

+ Applied Management Courses

= Job Possibilities

Practical Nursing (PN)

Carpentry

Diesel Repair

Auto Repair

Nursing Home Administrator

Millwork Sales

Dealership Operations

Wind Technology

Cosmetology                      Early Childhood Education  
 Owner/Operator - Business   Day Care Center  
 Paint/Equipment Sales Representative  
 This core includes one or more years of prior technical training (30 semester credit hours minimum) from any recognized CTE program. A student is required to produce a transcript of credit hours or the equivalent in a technical field.

**Written Communication**

Total Credits- **6**

**Mathematics**

Total Credits- **3**

**Natural and Physical Sciences**

Total Credits- **3**

**Arts and Humanities**

Total Credits- **3**

**Program Requirements**

Total Credits- **9**

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
BUS217 BUS2017	Business Communication/Report Writing	3

Choose 9 credits from ACC, BUS, ECO, MAN, CIS, MAR, MGD or PHI2005 (PHI205)

**Applied Technology**

TOTAL CREDITS **60**

CIP# 419999 | BANNER# APT1

To complete the A.A.S. Degree in Applied Technology a student will complete the technical course work for a state approved Career and Technical Education certificate at one of the four area vocational technical schools (AVTS). The four AVTS's are: Delta-Montrose Area Vocational Technical Center, Emily Griffith Opportunity School, San Juan Basin Area Vocational School, and T.H. Pickens Technical Center. The general education and other degree requirements will be completed at one of the Colorado public community/junior colleges. The A.A.S. Degree will be conferred by the community/ junior college at which the general education and other degree requirements have been completed. The approved Career and Technical Education certificate programs at the AVTS prepare students with technical, applied academic, and employability skills. Credit, in varying amounts from these certificate programs, will be applicable to the community college's A.A.S. Degree in Applied Technology. Students may enroll concurrently at both institutions, an AVTS and a community college. Students must comply with the regulations and requirements relating to admission and attendance at each institution.

Minimum requirements for the Associate of Applied Science (A.A.S.) Applied Technology Degree include:

1. Minimum of 60 semester hours of course work.
2. Cumulative GPA of 2.0 or higher.
3. General education course of 15 semester hours.
4. Additional requirements of at least 42 semester hours:
  - a. From an individual state approved program at one of the four AVTS's.
  - b. If the program certificate is less than 42 semester hours, then the program certificate hours plus elective credit hours from the community college will be used for the total of at least 42 semester hours.
5. Minimum of 15 semester hours earned at the community college.

6. Students must achieve a cumulative 2.0 GPA after completion of their 1st and 2nd semesters to continue to the 3rd semester.

General Education Requirements	Credits
Communication or Reading	3
Mathematics	3
Science or Computer Science	3
Social Science or Humanities	3
General Education Elective	3
	<b>15 minimum</b>

**Associate Degree Nursing**

TOTAL CREDITS

CIP# 513801 | BANNER# NRI

Associate Degree Nursing (ADN) Program is a four-semester program after completing a set of prerequisite courses. Students graduate with an Associate of Applied Science in Nursing and are then eligible to take the NCLEX-RN (nursing state board exam) to become a Registered Nurse (RN). RN's are in high demand and are the largest group of health care providers in the United States. RN's have both independent and dependent functions in providing patient care to include patient assessment, implementing doctors' orders and providing patient education. RN's work in a variety of settings including hospitals, home care agencies, long-term care facilities, clinics, public health care agencies and schools.

The nursing program includes both instructional and clinical experience to provide safe and compassionate nursing care. The nursing faculty also strive to teach the values and professionalism nurses will need to have a rewarding career in nursing. Clinical experiences vary and may occur on weekends or nights and will include eight or twelve hour shifts in facilities from surrounding areas including Nebraska. Travel may be required up to a 200-mile radius of campus.

1. Applicants must meet general admission requirements.
2. Applicants must submit all material required under admission information of this catalog.
3. Applicants must demonstrate readiness for college-level course work in reading, math and English.
4. Completion of a preadmission nursing entrance exam available at the Student Success office.
5. Completion of the following prerequisite courses which require a GPA of 2.5 or better. All courses need to be at least a "C".

**Prerequisites**

Total Credits- **15-17**

Prerequisites must be taken prior to application to the Nursing Program.

All Biology (BIO) prerequisites must be completed within seven years of entry into Northeastern's nursing programs. Once all prerequisites are completed, the student must apply to the ADN program. This is a separate application than general admission to the college. The student needs to apply to the college first and be assigned an 'S' number. Please contact the nursing department for the specific directions on how to apply to the nursing program. Acceptance into the ADN program is a competitive process. Points are assigned based on the following: grade point average on prerequisites, satisfactory completion of science general education courses, prior degree, and certification as a nurse aide, successful completion of Jump Start to Nursing course, satisfactory completion of Medical Terminology, nursing preadmission test results, and proof of residency for one year from Northeastern's service area. Applicants are selected on total points earned.

Once accepted into the program the following must be completed.

- Satisfactorily pass a criminal background check (not to be completed earlier than 90 days of start of program).



- Health statement/proof of immunization for medical clearance.
- Professional CPR Certificate that must not expire until after graduation.
- Negative drug screen

It is highly recommended that you meet with a nursing advisor to ensure all requirements have been met.

Course Number	Course Title	Credits
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
<a href="#">BIO201</a> <a href="#">BIO2101</a>	Human Anatomy & Physiology I with Lab: GT-SC1	4
<a href="#">BIO202</a> <a href="#">BIO2102</a>	Human Anatomy & Physiology II with Lab: GT-SC1	4
<a href="#">PSY235</a> <a href="#">PSY2440</a>	Human Growth & Development: GT-SS3	3
Choose one of the following courses.		
<a href="#">HPR108</a> <a href="#">HPR1010</a>	Dietary Nutrition	1
<a href="#">HWE100</a> <a href="#">HWE1050</a>	Human Nutrition	3

### Fall First Year

Total Credits- **18-19**

Course Number	Course Title	Credits
<a href="#">NUR109</a> <a href="#">NUR1009</a>	Fundamentals of Nursing	6
<a href="#">NUR112</a> <a href="#">NUR1012</a>	Basic Concepts of Pharmacology	2
<a href="#">BIO204</a> <a href="#">BIO2104</a>	Microbiology with Lab: GT-SC1	4
<a href="#">MAT103</a> <a href="#">MAT1120</a>	Math for Clinical Calculations	3
<a href="#">MAT135</a> <a href="#">MAT1260</a>	Introduction to Statistics: GT-MA1	3
<a href="#">MAT121</a> <a href="#">MAT1340</a>	College Algebra: GT-MA1	4

Take 3 credits of [Social and Behavioral Science](#) [BIO2104](#) (BIO204) and MAT can be completed prior to entry.

### Spring First Year

Total Credits- **17**

Course Number	Course Title	Credits
<a href="#">NUR150</a> <a href="#">NUR1050</a>	Maternal - Child Nursing	6
<a href="#">NUR106</a> <a href="#">NUR1006</a>	Medical Surgical Concepts	7
<a href="#">BIO216</a> <a href="#">BIO2116</a>	Human Pathophysiology	4

[BIO2116](#) (BIO2116) can be completed prior to entry.

### Fall Second Year

Total Credits- **12.5**

Course Number	Course Title	Credits
<a href="#">NUR206</a> <a href="#">NUR2006</a>	Advanced Concepts of Medical Surgical Nursing I	6.5
<a href="#">NUR211</a> <a href="#">NUR2011</a>	Psychiatric-Mental Health NSG	4
<a href="#">NUR212</a> <a href="#">NUR2012</a>	Pharmacology II	2

### Spring Second Year

Total Credits- **9**

Course Number	Course Title	Credits
<a href="#">NUR216</a> <a href="#">NUR2016</a>	Advanced Concepts of Medical Surgical Nursing II	5
<a href="#">NUR230</a> <a href="#">NUR2030</a>	Transition to Professional NSG	4

## Automotive Technology

TOTAL CREDITS 75

CIP# 470604 | BANNER# AUT

The Automotive Technology program is designed to prepare students for jobs in the areas of parts, service management, or service and repair. The program is meeting the needs for training in this field by offering a variety of courses supported by ASE Education standards.

Basic skills in math, science, reading, along with skills and knowledge obtained in the program are essential to successfully securing and holding down jobs in the automotive industry. Effective communication skills are essential to successfully work with customers and co-workers. Technicians must also be able to write work orders and reports to explain and justify repairs. Only students with a cumulative 2.0 GPA or better at the end of their 2nd semester will be allowed to continue to their 3rd semester.

Graduates of the Automotive Technology Program will receive either a Northeastern Certificate or an Associate of Applied Science Degree.

Concurrent enrollment of high school juniors and seniors is encouraged. Students can earn the Automotive Maintenance and Inspection Certificate in one semester. Interested students should work with their counselor to plan ahead and include the course in the ICAP.

### Fall Freshman Year

Total Credits- **17**

Course Number	Course Title	Credits
<a href="#">ASE101</a> <a href="#">ASE1001</a>	Auto Shop Orientation	2
<a href="#">ASE110</a> <a href="#">ASE1010</a>	Brakes I	2
<a href="#">ASE111</a> <a href="#">ASE1011</a>	Auto Brake II	2
<a href="#">ASE120</a> <a href="#">ASE1020</a>	Basic Auto Electricity	2
<a href="#">ASE122</a> <a href="#">ASE1022</a>	Auto Electric Safety Systems	1
<a href="#">ASE123</a> <a href="#">ASE1023</a>	Battery Starting & Charging Systems	2
<a href="#">ASE210</a> <a href="#">ASE2010</a>	Auto Power/ABS Brake Systems	2
<a href="#">REA130</a> <a href="#">REA1030</a>	Applied and Technical Reading	2
<a href="#">MAT102</a> <a href="#">MAT1100</a>	Skilled Trades/Industrial Math	2

### Spring Freshman Year

Total Credits- **24**

Course Number	Course Title	Credits
<a href="#">ASE130</a> <a href="#">ASE1030</a>	General Engine Diagnosis	2
<a href="#">ASE140</a> <a href="#">ASE1040</a>	Steering & Suspension I	2
<a href="#">ASE141</a> <a href="#">ASE1041</a>	Steering & Suspension II	2

Course Number	Course Title	Credits
ASE160 ASE1060	Auto Engine Repair	2
ASE162 ASE1062	Auto Engine Service	2
ASE165 ASE1065	Automotive Machining	2
ASE191 ASE1091	Engine Repair & Rebuild	4
ASE294 ASE2194	Steering & Suspension III	3
ENG115 ENG1015	Technical English & Communication	3
PHY103 PHY1030	Physics for CTE Occupations: Auto/Diesel Tech, Wind Tech, Industrial Maint., Agriculture, Welding Tech	2

### Fall Sophomore Year

Total Credits- **16**

Course Number	Course Title	Credits
ASE150 ASE1050	Manual Drive Trans & Axle	2
ASE151 ASE1051	Manual Transmission/Transaxles & Clutches	2
ASE192 ASE1092	Manual Transmission, Transaxles and Clutches II	3
ASE250 ASE2050	Automatic Transmission/Transaxle Service	1
ASE251 ASE2051	Automatic Transmission/Transaxle Repair	3
ASE252 ASE2052	Advanced Automatic Transmission/Transaxle	2
BUS102 BUS1002	Entrepreneurial Operations	3

### Spring Sophomore Year

Total Credits- **20**

Course Number	Course Title	Credits
ASE134 ASE1034	Automotive Fuel & Emissions Systems	2
ASE264 ASE2064	Introduction to Auto Heating and Air Conditioning	1
ASE235 ASE2035	Drivability & Diagnosis	2
ASE291 ASE2191	Automotive and Diesel Body Electrical	3
ASE292 ASE2192	Automotive Computers and Ignition Systems	3
ASE293 ASE2193	Auto Fuel Injection and Emissions II	3
ASE295 ASE2095	Heating and Air Conditioning Systems	3
MAN128 MAN1028	Human Relation-Organizations	3

## Business: Accounting Emphasis

TOTAL CREDITS **60**

CIP# 520302 | BANNER# ABAB

The Associate of Applied Science (A.A.S.) degree in Accounting/Business is awarded to a student who successfully completes a program with an accounting emphasis. The business/accounting programs are designed to aid students in the development of skills, knowledge, and attitudes related to immediate employment in a full-time skilled and/or a paraprofessional business/accounting occupation.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3
ENG115 ENG1015	Technical English & Communication	3

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
Choose from the following courses or any math course <a href="#">MAT1240</a> (MAT120) or higher.		
MAT102 MAT1100	Skilled Trades/Industrial Math	2
MAT107 MAT1140	Career Math: Program Emphasis	3
MAT112 MAT1160	Financial Mathematics	3
BUS226 BUS2026	Business Statistics	3

### Arts and Humanities

Total Credits- **3**

Any state Guaranteed Transfer course in ANT, ART, GEO, HIS, HUM, LIT, MUS, PHI, POS, PSY, SPA, SOC or THE. You can also choose [MAN1028](#), [ECO1001](#), [ECO2001](#) or [ECO2002](#) (MAN128, ECO101, ECO201 or ECO202) if not otherwise used.

### Natural and Physical Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Below is the recommended course for this emphasis.		
CWB110 CWB1010	Complete Web Author: (Language)	3

Any CIS, MGD, [CWB1010](#) (CWB110) or [GT-SC1](#) or [SC2](#) course not otherwise used.

## Program Requirements

Total Credits- **32**

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
ACC115 ACC1015	Payroll Accounting	3
ACC121 ACC1021	Accounting Principles I	4
ACC122 ACC1022	Accounting Principles II	4
ACC132 ACC1032	Tax Help Colorado	2
ACC133 ACC1033	Tax Help Colorado Practicum	1
ACC235 ACC2035	Computerized Accounting: Small Business	3
CIS118 CIS1018	Introduction to PC Applications	3
MAN226 MAN2026	Principles of Management	3

## Electives

Total Credits- **18**

Course Number	Course Title	Credits
Choose one of the following courses.		
ECO101 ECO1001	Economics of Social Issues: GT-SS1	3
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

Choose an additional 9 credits of electives in ACC, BUS, ECO, MAN, MAR, MGD or [PHI2005](#) (PHI205) or other approved course.

## Business: Management Emphasis

TOTAL CREDITS **60**

CIP# 520302 | BANNER# A2BM

The Associate of Applied Science (A.A.S.) degree in Accounting/Business is awarded to a student who successfully completes a program with an accounting emphasis. The business/accounting programs are designed to aid students in the development of skills, knowledge, and attitudes related to immediate employment in a full-time skilled and/or a paraprofessional business/accounting occupation.

## Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3
ENG115 ENG1015	Technical English & Communication	3

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose from the list below or any math course <a href="#">MAT1240</a> (MAT120) or higher.		
MAT102 MAT1100	Skilled Trades/Industrial Math	2
MAT107 MAT1140	Career Math: Program Emphasis	3
MAT112 MAT1160	Financial Mathematics	3
BUS226 BUS2026	Business Statistics	3

## Arts and Humanities

Total Credits- **3**

Any state Guaranteed Transfer course in ANT, ART, GEO, HIS, HUM, LIT, MUS, PHI, POS, PSY, SPA, SOC or THE. You can also choose [MAN1028](#), [ECO1001](#), [ECO2001](#) or [ECO2002](#) (MAN128, ECO101, ECO201 or ECO202) if not otherwise used.

## Natural and Physical Sciences

Total Credits- **3**

Course Number	Course Title	Credits
CWB110 CWB1010	Complete Web Author: (Language)	3

Any CIS, MGD, [CWB1010](#) (CWB110) or [GT-SC1](#) or [SC2](#) course not otherwise used.

## Program Requirements

Total Credits- **12**

Course Number	Course Title	Credits
ACC121 ACC1021	Accounting Principles I	4
ACC122 ACC1022	Accounting Principles II	4
BUS102 BUS1002	Entrepreneurial Operations	3
BUS115 BUS1015	Introduction to Business	3
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
CIS118 CIS1018	Introduction to PC Applications	3
CIS175 CIS1075	Special Topics	.25 - 6
MAN128 MAN1028	Human Relation-Organizations	3
MAN215 MAN2015	Organizational Behavior	3
MAN226	Principles of Management	3

Course Number	Course Title	Credits
<a href="#">MAN2026</a>		

### Electives

Total Credits- **21**

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ECO101</a> <a href="#">ECO1001</a>	Economics of Social Issues: GT-SS1	3
<a href="#">ECO201</a> <a href="#">ECO2001</a>	Principles of Macroeconomics: GT-SS1	3
<a href="#">ECO202</a> <a href="#">ECO2002</a>	Principles of Microeconomics: GT-SS1	3

Choose an additional 9 credits of electives in ACC, BUS, ECO, MAN, MAR, MGD or [PHI2005](#) (PHI205) or other approved course.

## Diesel Technology

TOTAL CREDITS 72

CIP# 470613 | BANNER# DSL

The Diesel Technology program is a training program which will focus on the service, repair, and maintenance of medium/heavy duty trucks as well as agricultural and industrial equipment. All courses will follow ASE Education standards. Students will be working on real-world problems to diagnose and repair H/D trucks, agricultural equipment and construction equipment. Students gain the hands-on experience they need to become successful technicians. Only students with a cumulative 2.0 GPA or better at the end of their 2nd semester will be allowed to continue to their 3rd semester. Graduates of the Diesel Technology program will receive either a Northeastern Certificate or an Associate of Applied Science degree.

### Fall Freshman Year

Total Credits- **19**

Course Number	Course Title	Credits
<a href="#">DPM101</a> <a href="#">DPM1001</a>	Diesel Shop Orientation	2
<a href="#">DPM120</a> <a href="#">DPM1020</a>	Basic Heavy Duty Electricity	2
<a href="#">DPM126</a> <a href="#">DPM1026</a>	Heavy Duty Starting & Charging	3
<a href="#">DPM206</a> <a href="#">DPM2006</a>	Heavy Duty Brakes I	3
<a href="#">DPM207</a> <a href="#">DPM2007</a>	Heavy Duty Brakes II	3
<a href="#">DPM209</a> <a href="#">DPM2009</a>	Heavy Duty Dynamic System	2
<a href="#">REA130</a> <a href="#">REA1030</a>	Applied and Technical Reading	2
<a href="#">MAT102</a> <a href="#">MAT1100</a>	Skilled Trades/Industrial Math	2

### Spring Freshman Year

Total Credits- **21**

Course Number	Course Title	Credits
<a href="#">DPM122</a> <a href="#">DPM1022</a>	Hydraulic Systems II	3
<a href="#">DPM136</a> <a href="#">DPM1036</a>	Heavy Duty Cab Inspection & Maintenance	2
<a href="#">DPM192</a> <a href="#">DPM1192</a>	Hydraulic Systems I	1
<a href="#">DPM222</a> <a href="#">DPM2022</a>	Heavy Duty Lighting & Instrumentation	3
<a href="#">DPM264</a> <a href="#">DPM2064</a>	Heavy Duty Heating & Ventilation	2

Course Number	Course Title	Credits
<a href="#">DPM265</a> <a href="#">DPM2065</a>	Heavy Duty Air Conditioning Systems Service	3
<a href="#">DPM291</a> <a href="#">DPM2191</a>	Heavy Duty Body Electrical Systems	2
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">PHY103</a> <a href="#">PHY1030</a>	Physics for CTE Occupations: Auto/Diesel Tech, Wind Tech, Industrial Maint., Agriculture, Welding Tech	2

### Spring Sophomore Year

Total Credits- **15**

Course Number	Course Title	Credits
<a href="#">DPM105</a> <a href="#">DPM1005</a>	Heavy Duty Powertrains I	3
<a href="#">DPM140</a> <a href="#">DPM1040</a>	Heavy Duty Steering & Suspension I	3
<a href="#">DPM205</a> <a href="#">DPM2005</a>	Heavy Duty Powertrains II	3
<a href="#">DPM240</a> <a href="#">DPM2040</a>	Heavy Duty Steering & Suspension II	3
<a href="#">MAN128</a> <a href="#">MAN1028</a>	Human Relation-Organizations	3

### Fall Sophomore Year

Total Credits- **19**

Course Number	Course Title	Credits
<a href="#">DPM103</a> <a href="#">DPM1003</a>	Diesel Engines I	4
<a href="#">DPM104</a> <a href="#">DPM1004</a>	Diesel Engine Cooling System 2	2
<a href="#">DPM191</a> <a href="#">DPM1191</a>	Diesel Fuel Systems	2
<a href="#">DPM203</a> <a href="#">DPM2003</a>	Diesel Engines II	4
<a href="#">DPM210</a> <a href="#">DPM2010</a>	Diesel Air Induction & Exhaust	2
<a href="#">BUS102</a> <a href="#">BUS1002</a>	Entrepreneurial Operations	3
<a href="#">ASE165</a> <a href="#">ASE1065</a>	Automotive Machining	2

## Early Childhood Education

TOTAL CREDITS

CIP# 131210 | BANNER# ECE

For those who want the opportunity to provide a positive influence on the lives of children and their families, early childhood is a fascinating field in which to work. The demand for early childhood educators is great. Because of the large numbers of families in which all adults are employed, trends in the national economy, government priorities for children and their families, and public demand for services this field continues to grow.

The Early Childhood Associate Teacher Program is designed to prepare persons to meet the requirements for a variety of positions within early childhood programs. Upon completion of this degree, individuals will be group leader qualified. They will be able to independently implement program activities and will be responsible for the care and education of a group of children.

Individuals will also have the necessary coursework to establish director qualifications and infant toddler nursery supervisor qualification in the State of Colorado after completing the work experience requirement.

Early childhood teachers and directors work in a variety of settings: private and public preschool and child care settings supported and operated by the employer, hospitals, recreation centers, before and after-school programs, Head Start, and other programs serving children birth to age eight. A Northeastern Associate of Applied Science Degree is granted upon completion.

### Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3

### Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
Choose one of the following courses.		
MAT107 MAT1140	Career Math: Program Emphasis	3
MAT112 MAT1160	Financial Mathematics	3
MAT121 MAT1340	College Algebra: GT-MA1	4
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3

### Program Requirements

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
AST101 AST1110	Astronomy with Lab: Planetary Systems: GT-SC1	4
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5
CIS118 CIS1018	Introduction to PC Applications	3
EDU261 EDU2611	Teaching, Learning &Technology	3
Or another approved Science or Computer Science course.		

### Social and Behavioral Sciences

Total Credits- **6**

Course Number	Course Title	Credits
PSY101 PSY1001	General Psychology I: GT-SS3	3
or		
PSY102 PSY1002	General Psychology II : GT-SS3	3
and		
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

### Program Requirements

Total Credits- **51**

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE102 ECE1045	Introduction to ECE Techniques	3
ECE103 ECE1031	Guidance Strategies Young Children	3
ECE108 ECE1008	Assessment Process in ECE	1
ECE111 ECE1111	Infant/Toddler Theory/Practice	3
ECE112 ECE1125	Infant/Toddler Lab Tech	3
ECE205 ECE2051	ECE Nutrition/Health/Safety	3
ECE209 ECE2061	Observing Young Children	1
ECE220 ECE2621	Curriculum Methods/Techniques	3
ECE226 ECE2641	Creativity and the Young Child	3
ECE228 ECE2651	Language and Literacy	3
ECE238 ECE2381	ECE Child Growth & Development	3
ECE240 ECE2401	Administration of ECE Programs	3
ECE241 ECE2411	Administration: Human Relations ECE	3
ECE256 ECE2101	Working with Parents, Families & Community Systems	3
ECE260 ECE2601	The Exceptional Child	3
ECE288 ECE2088	Practicum: Early Childhood Ed	6
HWE103 HWE1001	Community First Aid and CPR	1

### Emergency Medical Services

TOTAL CREDITS **60**

CIP# 510904 | BANNER# EMS2

Our EMS degree and certificates prepare a student to go right into the workforce. EMS provides care for persons who are in need of treatment right away. EMS professionals use their skills to stabilize patients and transport them for additional care. Although many college credits within this degree are accepted for transfer by four year colleges, the career focused courses are not designed to transfer.

Essential Functions: The ability to communicate verbally, the ability to lift, care, and balance up to 125 pounds (250 with assistance). The ability to interpret written, oral and diagnostic form instructions. The ability to use good judgment and remain calm in high-stress situations. The ability to work effectively in an environment with loud noises and flashing lights. The ability to calculate weight and volumes ratios and read small print, both under threatening time constraints. The ability to read and understand English language manuals and road maps, to accurately discern street signs and address numbers. The ability to document, in writing, all relevant information in prescribed format in light of legal ramifications of such. The ability to converse in English with coworkers and hospital staff as to status of patient. Good manual dexterity. The ability to bend, stoop, and crawl on uneven terrain, and the ability to withstand varied environmental conditions such as extreme heat, cold, and moisture. The ability to work in low light, confined spaces, and other dangerous environments.

## Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
Choose two of the following courses.		
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3
COM115 COM1150	Public Speaking	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT103 MAT1120	Math for Clinical Calculations	3
Or higher Math course.		

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
PSY102 PSY1002	General Psychology II : GT-SS3	3

## Natural and Physical Sciences

Total Credits- **5**

Course Number	Course Title	Credits
BIO111 BIO1111	General College Biology I with Lab: GT-SC1	5

## Program Requirements

Total Credits- **29.5**

Course Number	Course Title	Credits
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
CIS118 CIS1018	Introduction to PC Applications	3
EMS121 EMS1021	EMT Fundamentals	3
EMS122 EMS1022	EMT Medical Emergencies	4
EMS123 EMS1023	EMT Trauma Emergencies	2
EMS170 EMS1070	EMT Clinical	1
HPR178 HPR	Medical Terminology	2
HPR102 HPR1011	CPR Professionals	0.5
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
PSY238 PSY2441	Child Development: GT-SS3	3

## Electives

Total Credits- **22**

Course Number	Course Title	Credits
ACC101 ACC1001	Fundamentals of Accounting	3
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
FST107 FST1007	HazMat Operations (Level I)	3
HWE100 HWE1050	Human Nutrition	3
HWE117 HWE1003	Mental Health First Aid	1
MAN128 MAN1028	Human Relation-Organizations	3
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

**Please Note:** Students may also choose any GT Pathways course.

## Equine Business Management

TOTAL CREDITS **60**

CIP# 010507 | BANNER# EQBM

Students enrolled in this program show an interest in the organizational, managerial, and commercial aspects of the equine industry; as well as students interested in advanced performance horse care, equine reproduction, instruction and stable management.

The variety of courses focusing on business management provide students with the skills and knowledge to pursue a "hands-on" or support sector position in the equine industry, a career in business, or an advanced degree.

### Program Learning Outcomes:

- Students should be able to understand the terminology associated with the western horse. This includes but not limited to common names of equine body parts, common names of tack, and commonly accepted horse training terminology.
- Students will be able to understand normal horse health, body condition, normal vital signs, common unsoundness, common illness, normal preventative healthcare and nutrition. This includes procedure for feeding appropriate volumes of forage, concentrates and water required by the horse.
- Students will be able to understand common industry accepted equine reproduction techniques, practices, and terminology.
- Student will be able to understand basic and common equine business practices, including but no limited to: creating a business plan, creating a marketing plan, creating cover letters and resumes as well as understand the economic impact of the horse industry in the United States and World Wide.
- Students will properly communicate the above terminology and skills in a professional manner.

## Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG115 ENG1015	Technical English & Communication	3
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3
COM115 COM1150	Public Speaking	3

## Oral Communication

Total Credits- **3**

Course Number	Course Title	Credits
COM115 COM1150	Public Speaking	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT107 MAT1140	Career Math: Program Emphasis	3

Choose [MAT1140](#) (MAT107) or higher Math Course.

## Science or Computer Science

Total Credits- **3**

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3

## Social & Behavioral Science

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
AGB102 AGB1002	Foundations of Agricultural business	3
AGE102 AGE1102	Agriculture Economics: GT-SS1	3

## Program Requirements

Total Credits- **31**

Course Number	Course Title	Credits
AGB120 AGB1020	Agricultural Salesmanship	3
AGB218 AGB2018	Computerized Farm Records	3
AGB228 AGB2028	Agribusiness Management	3
AGE208 AGE2108	Agricultural Finance	3
ASC102 ASC1102	Introduction to Equine Science	4
ASC225 ASC2125	Feeds and Feeding	4
CIS118 CIS1018	Introduction to PC Applications	3
EQM158 EQM1058	Equine Reproduction	2
EQM210 EQM2010	Equine Health	2

Course Number	Course Title	Credits
EQM211 EQM2011	Equine Health Lab	1
MAN205 MAN2005	Event Planning	3

## Electives

Total Credits- **14**

The 14 elective credits required must be approved by Northeastern Junior College Advisor or Program Coordinator. Preference for AGB, AGE, AGP, AGR, AGY, AME, ASC, BUS, EQM, MAN, MAR, MGD, RAM, or other related courses approved by the advisor or coordinator.

There are a total of 60 credits of General Education, Program Requirements, and Electives required to complete the degree.

## Horse handling or riding skill requirement:

There are two methods to complete the requirement:

1. Prior equine skill experience. The student may submit documentation of prior experience involving handling, training, riding or care of horses. Previous experience must be approved by advisor or program coordinator. See advisor or program coordinator for information.
2. Course work involving skills in horse handling, riding or training or courses designed for preparation in competitive equine events such as rodeo or versatility ranch horse. Courses must be approved by advisor or program coordinator. Credits for these courses can be applied to the program electives.

## Equine Management

TOTAL CREDITS **71.5**

CIP# 010507 | BANNER# EQM

The equine industry in the United States is a growing, dynamic sector of agriculture with a broad spectrum of jobs expanding within the industry. The Equine Management program is designed to provide the students with the basic skills and background knowledge necessary for entry level employment as trainers and assistant trainers in the horse industry.

**Students applying to the program must go through an oral interview and a practical riding test before admission to the program is granted.** These are scheduled between November and March of the year prior to admission into the program. We suggest that the prospective students apply to Northeastern Junior College first, and then try to schedule a campus visit along with their interview and riding test.

In Northeastern's horse training portion of the program, freshman students are assigned young horses that have already been started. Many of these horses have already been through our colt starting class here at Northeastern. The second semester of the freshman year and both semesters of the sophomore year, students will start and train a young horse themselves. These young horses are sent to us from a large geographic area as well as members of our local community. We treat our program as if it were a training facility. Our students are responsible for general care of their assigned horses on a daily basis including billing and any health care that is necessary. We are proud of the great reputation of our colt starting program. This reputation allows us to continually provide quality horses for our students to advance their skills.

Our two year program provides students access to the business, economic, technical and general education classes necessary to become competent managers. Practical experience is provided in many of the classes as well as the internship portion of the program.

It is very important to us here at NJC that we provide a positive internship experience. We try to direct our students to an internship sponsor with a great history and a strong background working with students. In many cases these internship opportunities result in long-term employment.

For more information contact: Cole Briggs - [cole.briggs@njc.edu](mailto:cole.briggs@njc.edu) or 970-521-6785.

**Program Learning Outcomes:**

- Students will understand appropriate tools, tack and attire associated with the western horse training industry.
- Students will understand industry accepted methods of ground work with horses, including but not limited to: catching, haltering, leading, longeing, and grooming.
- Students will understand industry accepted methods of saddling, mounting and riding young horses within the first 90 days of training. This includes, but is not limited to: commonly accepted drills related to training horses with a western riding foundation.
- Students should be able to understand the terminology associated with the western horse. This includes but not limited to: common names of equine body parts, common names of tack, and commonly accepted horse training terminology.
- Students will be able to understand normal horse health, body condition, normal vital signs, common unsoundness, common illness, normal preventative healthcare and nutrition. This includes procedure for feeding appropriate volumes of forage, concentrates and water required by the horse.
- Students will be able to understand common industry accepted equine reproduction techniques, practices, and terminology.
- Student will be able to understand basic and common equine business practices, including but no limited to: creating a business plan, creating a marketing plan, creating cover letters and resumes as well as understand the economic impact of the horse industry in the United States and World Wide.
- Students will properly communicate the above terminology and skills in a professional manner.

**Fall Freshman Year**

Total Credits- **16**

Course Number	Course Title	Credits
<a href="#">ASC102</a> <a href="#">ASC1102</a>	Introduction to Equine Science	4
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">EQM101</a> <a href="#">EQM1001</a>	Stable Operations I	1
<a href="#">EQT101</a> <a href="#">EQT1001</a>	Introduction to Horse Training	5
<a href="#">MAT107</a> <a href="#">MAT1140</a>	Career Math: Program Emphasis	3

Choose [MAT1140](#) (MAT107) or higher Math course and Choose [ENG1015](#) (ENG115) or higher English course.

**Spring Freshman Year**

Total Credits- **15**

Course Number	Course Title	Credits
<a href="#">ASC100</a> <a href="#">ASC1100</a>	Animal Sciences	3
<a href="#">EQM102</a> <a href="#">EQM1002</a>	Stable Operations II	1
<a href="#">EQM158</a> <a href="#">EQM1058</a>	Equine Reproduction	2
<a href="#">EQT102</a> <a href="#">EQT1002</a>	Beginning Colt Training	6
Choose one of the following courses.		
<a href="#">AGB102</a> <a href="#">AGB1002</a>	Foundations of Agricultural business	3
<a href="#">AGE102</a> <a href="#">AGE1102</a>	Agriculture Economics: GT-SS1	3

**Fall Sophomore Year**

Total Credits- **17**

Course Number	Course Title	Credits
<a href="#">AGB228</a> <a href="#">AGB2028</a>	Agribusiness Management	3
<a href="#">ASC225</a> <a href="#">ASC2125</a>	Feeds and Feeding	4
<a href="#">EQM210</a> <a href="#">EQM2010</a>	Equine Health	2
<a href="#">EQM211</a> <a href="#">EQM2011</a>	Equine Health Lab	1
<a href="#">EQM201</a> <a href="#">EQM2001</a>	Stable Operations III	1
<a href="#">EQT201</a> <a href="#">EQT2001</a>	Intermediate Colt Training	6

**Spring Sophomore Year**

Total Credits- **15.5**

Course Number	Course Title	Credits
<a href="#">AGB218</a> <a href="#">AGB2018</a>	Computerized Farm Records	3
<a href="#">AME105</a> <a href="#">AME1005</a>	Basic Ag Mechanic Skills	2
<a href="#">EQM202</a> <a href="#">EQM2002</a>	Stable Operations IV	1
<a href="#">EQM289</a> <a href="#">EQM2089</a>	Equine Management Capstone	0.5
<a href="#">EQT202</a> <a href="#">EQT2002</a>	Advanced Colt Training	6
<a href="#">MAN205</a> <a href="#">MAN2005</a>	Event Planning	3

**Summer Term**

Total Credits- **8**

Course Number	Course Title	Credits
<a href="#">EQM280</a> <a href="#">EQM2080</a>	Equine Internship	8



## Electives

Total Credits- **0**

There are no electives required for this degree.

**\*Please Note:** There are a total of 71.5 credits of general education and program requirements required to complete this degree.

## Fire Science Technologies

TOTAL CREDITS **60.5**

CIP# 430203 | BANNER# FIRE

Fire Science Technology is the study of:

- The physical properties of Fire
- Strategy and tactics of fire suppression and prevention
- Life Safety Engineering
- Fire Administration
- Fire and Public Education
- Hazardous Materials Handling, Response and Transportation
- Arson Investigation
- Emergency Medical Response and Transportation
- Disaster Management, Pre-planning and Recovery

The specialized knowledge gained through an education in fire science equips first responders with; the skills and mental tools to effectively save lives and protect property and the environment. Careers in emergency services require courage, endurance, integrity and the ability to make good and quick decisions in emergencies. Teamwork is necessary to safely solve an emergency situation. The qualities of hard work and self-discipline must be quickly mastered through both online and traditional learning opportunities. You will take these characteristics from the classroom to the fire station and throughout your life. You may find through your training experience that you have a desire to follow other career paths within the emergency services profession.

Some of the exciting careers include:

- Firefighter
- Fire Investigator
- Special Rescue and Tactics Technician
- Fire Administration Manager/Chief
- Environmental Crimes Investigator
- Public Education Specialist
- Hazardous Materials Technician/Coordinator
- Industrial Safety Officer
- FEMA Response Agent
- Emergency Manager
- Paramedic

In order to provide the best services and marketability, it is our desire to graduate students with the following state certifications:

- Fire Fighter I
- Hazardous Materials Operations Level
- Wildland Fire Fighter (Red Card)
- Emergency Medical Technician Basic

Essential Functions:

- Able to communicate effectively in English, both verbally and in writing
- Lift and carry 50 to 100 pounds
- Stand, walk on rough ground or uneven surfaces, run, balance, twist or turn, reach, pull, climb stairs and ladders, work at heights, balance, bend/stoop, crouch/squat, crawl/kneel, etc.
- Able to see near and far

## Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG115 ENG1015	Technical English & Communication	3
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3

## Mathematics

Total Credits- **3-4**

Course Number	Course Title	Credits
MAT103 MAT1120	Math for Clinical Calculations	3

Choose [MAT1120](#) (MAT103) or higher Math Course.

## Natural and Physical Sciences

Total Credits- **4**

Course Number	Course Title	Credits
BIO104 BIO1004	Biology: A Human Approach: GT-SC1	4

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
PSY102 PSY1002	General Psychology II : GT-SS3	3

## Program Requirements

Total Credits- **34.5**

Course Number	Course Title	Credits
FST100 FST1000	Firefighter I	9
FST102 FST1002	Principles/Emergency Services	3
FST105 FST1005	Building Construction for Fire	3
FST107 FST1007	HazMat Operations (Level I)	3
FST110 FST1010	Job Placement and Assessment	3
FST128 FST1028	Vehicle Extrication Tech	3
FST202 FST2002	Strategy & Tactics	3
FST209 FST2009	Fire Protection Systems	3
FSW100 FSW1000	S-190 Introduction to Wildland Fire	1
FSW101 FSW1001	S-130 Firefighting Training	2
HPR102 HPR1011	CPR Professionals	0.5
PED101 PED1001	Conditioning Lab	1

## Electives

Total Credits- **13**

Course Number	Course Title	Credits
Select a minimum of 13 elective credits from the list below.		
EMS115 EMS1015	Emergency Medical Responder	3
EMS121 EMS1021	EMT Fundamentals	3
EMS122 EMS1022	EMT Medical Emergencies	4
EMS123 EMS1023	EMT Trauma Emergencies	2
EMS130 EMS1030	EMT Intravenous Therapy	2
EMS132 EMS	EMS Intravenous-Intraosseous Therapy	2
EMS170 EMS1070	EMT Clinical	1
CIS118 CIS1018	Introduction to PC Applications	3
HWE117 HWE1003	Mental Health First Aid	1
REA130 REA1030	Applied and Technical Reading	2

Students may also choose any GT course, FST, or FSW prefix course.

**Please Note:** Students interested in a fire career that incorporates Emergency Medical Technician-Paramedic level work must successfully complete both Anatomy & Physiology I and II ([BIO2101](#) and [BIO2102](#)) courses.

## Industrial Automation

TOTAL CREDITS **60**

CIP# 150499 | BANNER# WETA

The Industrial Automation Associate of Applied Science degree includes stackable certificates including the Wind Technician, Industrial Safety, Industrial Maintenance, Industrial Electricity, and Industrial Controls certificates. The degree prepares students for careers in industries that range from food processing, material handling, process control, and advanced manufacturing with jobs that range from Quality Control Technician, Industrial Electrician, or PLC Technician.

Industries such as power generation, advanced manufacturing, and material handling are just a few that rely heavily on automated systems and machines. This trend will continue to grow as the cost to automate a process continues to fall. There is a large need for trained technicians in the industry that can keep up with the changing technology in these fields.

Students will complete their OSHA 10 Hour Construction Safety & Health, Climbing and Rescue, Rigging-Signal Person, and CPR certifications in their first year in the program. Students will become proficient with electrical, hydraulic, and mechanical systems. Students will have the opportunity to build, troubleshoot, and repair combined electrical-mechanical-hydraulic systems that are found in industrial facilities. Students will learn to program and integrate various controllers to create automated equipment that is found in advanced manufacturing, material processing, and material handling.

There is a strong emphasis on safety throughout the program. The student will learn how to identify hazards in the work environment and take steps to eliminate or reduce the risk that exists. Technicians typically work with combined mechanical, hydraulic, pneumatic, and electrical equipment. Most technicians are required to work with limited supervision so a strong work ethic and technical competence are highly sought qualities of entry-level employees.

## Fall Freshman Year

Total Credits- **18**

Course Number	Course Title	Credits
EIC101 EIC1101	Job Training and Safety	3
IMA100 IMA1700	Introduction to Industrial Maintenance	3
IMA120 IMA1500	Industrial Rotating Equipment	3
IMA160 IMA1400	Basic Fluid Power	3
MAT107 MAT1140	Career Math: Program Emphasis	3

## Spring Freshman Year

Total Credits- **17**

Course Number	Course Title	Credits
ELT106 ELT1206	Fundamentals of DC/AC	4
ELT252 ELT2252	Motors & Controls	3
WTG110 WTG1010	Wind Turbine Generator Power & Control Systems	3
MIL101 MIL1001	Lifting Devices	1
ENG115 ENG1015	Technical English & Communication	3
HWE103 HWE1001	Community First Aid and CPR	1

Choose a 2 credit SMAW or GMAW Welding Course.

## Summer Term

Total Credits- **6**

Course Number	Course Title	Credits
WTG220 WTG2620	Wind Turbine Generator Troubleshooting & Repair	4
WTG289 WTG2089	Wind Technician Capstone	2

## Fall Sophomore Year

Total Credits- **19**

Course Number	Course Title	Credits
ELT258 ELT2358	Programmable Logic Controllers	3
ELT259 ELT2359	Advanced Programmable Logic Control	3
EIC220 EIC2320	Industrial Electrical Controls	4
COM115 COM1150	Public Speaking	3
CIS118 CIS1018	Introduction to PC Applications	3
MAN128 MAN1028	Human Relation-Organizations	3

## Program Requirements

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses, 3 credits minimum.		
EMS115 EMS1015	Emergency Medical Responder	3
MAN226 MAN2026	Principles of Management	3
WEL 113 WEL 1013	Oxyfuel and Plasma Cutting	2

## LPN to Associate Advanced Placement Option

TOTAL CREDITS **74.5**

CIP# | BANNER# LPN TO AND

LPNs who desire to further their education can enter the second year of the ADN program after completing [NUR1089](#) (NUR189) Transition from LPN to ADN (3 credits) course. After successful completion of the 2nd year, these students are eligible to take the NCLEX-RN (nursing state board exam) to become a Registered Nurse (RN).

A student who wishes to enter the second year of the associate degree program must be a LPN in good standing and have all the prerequisites and general education requirements satisfactorily completed. Students who graduated from a practical nursing program three or more years ago have additional requirements for entry as part of the Colorado Articulation Agreement. **Contact the nursing department for more information: 970-521-6701**

## Prerequisites

Total Credits- **28-32**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
HPR108 HPR1010	Dietary Nutrition	1
or		
HWE100 HWE1050	Human Nutrition	3
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
BIO204 BIO2104	Microbiology with Lab: GT-SC1	4
BIO216 BIO2116	Human Pathophysiology	4
Choose one of the following courses.		
MAT103 MAT1120	Math for Clinical Calculations	3
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
MAT121 MAT1340	College Algebra: GT-MA1	4

Take 3 credit elective of [Social and Behavioral Science](#)

**\*Please Note:** All Biology (BIO) prefixes and or science courses are valid for seven years from the time of the completion to the start of the LPN to ADN program.

## Summer Term

Total Credits- **3**

Course Number	Course Title	Credits
NUR189 NUR1089	Transition from LPN to ADN	3

## Fall Second Year

Total Credits- **12.5**

Course Number	Course Title	Credits
NUR206 NUR2006	Advanced Concepts of Medical Surgical Nursing I	6.5
NUR211 NUR2011	Psychiatric-Mental Health NSG	4
NUR212 NUR2012	Pharmacology II	2

## Spring Second Year

Total Credits- **9**

Course Number	Course Title	Credits
NUR216 NUR2016	Advanced Concepts of Medical Surgical Nursing II	5
NUR230 NUR2030	Transition to Professional NSG	4

## Production Agriculture AAS

TOTAL CREDITS **68**

CIP# 010301 | BANNER# PRAG

This program is designed to provide students with the necessary management and production skills required in the field of production agriculture today. Students seeking an occupation in farming or ranching will be able to pursue a variety of skills and competencies necessary to meet their individual occupational objective. This program requires 60 credits of course work and at least eight credits of required internship(s) for a total of at least 68 credits.

## Written Communication

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG115 ENG1015	Technical English & Communication	3
ENG121 ENG1021	English Composition I:GT-CO1	3
ENG131 ENG1031	Technical Writing I: GT-CO1	3

## Mathematics

Total Credits- **3**

Course Number	Course Title	Credits
MAT107 MAT1140	Career Math: Program Emphasis	3

Choose MAT 1140 or higher math course.

## Science or Computer Science

Total Credits- **10**

Course Number	Course Title	Credits
ASC100 ASC1100	Animal Sciences	3
CIS118 CIS1018	Introduction to PC Applications	3
Choose one of the following courses.		
AGP100 AGP1000	Practical Crop Production	4
AGY100 AGY1100	General Crop Production	4

## Social and Behavioral Sciences

Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses.		
AGB102 AGB1002	Foundations of Agricultural business	3
AGE102 AGE1102	Agriculture Economics: GT-SS1	3

## Program Requirements

Total Credits- **19**

Course Number	Course Title	Credits
AGB218 AGB2018	Computerized Farm Records	3
AGE205 AGE2105	Farm and Ranch Management	3
AGP180 AGP1080	Production Ag Internship	8
AGP289 AGP2089	Production Ag Capstone	1
ASC225 ASC2125	Feeds and Feeding	4

## Program Requirements

Total Credits- **2-3**

Course Number	Course Title	Credits
Choose at least one of the following AME courses.		
AME105 AME1005	Basic Ag Mechanic Skills	2
AME118 AME1018	Farm Carpentry	3
AME125 AME1025	Agricultural Machinery	3
AME151 AME1051	Fundamentals of Welding	3

**\*Please Note:** Students must choose at least one of the courses but may use additional AME courses to fulfill the electives requirement.

## Electives

Total Credits- **27-28**

Choose a minimum of 27 to 28 credits of elective courses. There are a total of 68 credits (minimum) for this degree including the 8 credit Internship.

Elective courses may be taken from any of the following course disciplines (prefixes): ACC, ABM, AGB, AGE, AGR, AGY, AME, ASC, AVT, BUS, DPM, EQM, EQT, HLT, IMA, MAN, MAR, RAM or WEL. Other courses may be approved by the Academic Advisor for use as elective(s).

## Welding Technology

TOTAL CREDITS **61**

CIP# 480508 | BANNER# WELZ

Welding is a common process used in the manufacturing and construction industries as well as in repair work. Many welders are certified in one or more welding techniques such as stick welding, MIG welding, and TIG welding. Welders are frequently employed in the shipbuilding, automobile, and aerospace industries. Welders also join beams and girders and the like in commercial and residential construction. They may work on pipelines or help construct and maintain power plants and refineries. Some welders prefer to start their own business or go on the road with a welding truck and work on pipelines and other large construction projects. Some welders operate welding machines instead of welding by hand. Welding machine operators are in great demand as they have knowledge of various welding techniques and how to operate industrial welding equipment. Most Welding courses are 5 weeks long. Students can start at any of the 5 week start dates in the fall or spring semester while pursuing a welding certificate or degree. There is a pathway for full-time and part time students to satisfy their career goals. Concurrent enrollment of high school juniors and seniors is encouraged. Students can earn welding certificates while still in high school. Interested students should work with their counselor to plan ahead and include the courses in their ICAP.

## Fall Freshman Year

Total Credits- **15**

Course Number	Course Title	Credits
WEL100 WEL1000	Safety for Welders	1
WEL106 WEL1006	Blueprint Read-Welders/Fitters	4
WEL113 WEL1013	Oxyfuel and Plasma Cutting	2
WEL126 WEL1026	GMAW (MIG) Steel I	2
WEL226 WEL2026	GMAW (MIG) Steel II	2
MIL101 MIL1001	Lifting Devices	1
MAT107 MAT1140	Career Math: Program Emphasis	3

## Spring Freshman Year

Total Credits- **16**

Course Number	Course Title	Credits
WEL116 WEL1016	SMAW Flat & Horizontal	2
WEL117 WEL1017	SMAW Vertical	2
WEL118 WEL1018	SMAW Overhead	2
WEL216 WEL2016	SMAW Pipe I	2
WEL217 WEL2017	SMAW Pipe II	2
WEL252 WEL2052	FCAW Flat & Vertical	2
HWE103 HWE1001	Community First Aid and CPR	1
ENG131 ENG1031	Technical Writing I: GT-CO1	3

## Fall Sophomore Year

Total Credits- **14**

Course Number	Course Title	Credits
WEL114 WEL1014	Oxyacetylene Welding	2
WEL260 WEL2060	GTAW Stainless & Aluminum I	2
WEL164 WEL1064	GTAW Steel I	2
WEL165 WEL1065	GTAW (TIG) Steel II	2
CIS118 CIS1018	Introduction to PC Applications	3
COM115 COM1150	Public Speaking	3

## Spring Sophomore Year

Total Credits- **12**

Course Number	Course Title	Credits
WEL150 WEL1050	American Welding Society Qualification Testing	1
WEL251 WEL2051	Design, Layout and Fabrication	4
WEL263 WEL2063	Applied Metal Properties	4
MAN128 MAN1028	Human Relation-Organizations	3

## Certificate in Career and Technical Education Programs

A Certificate is awarded to a student who successfully completes a career and technical education program not leading to an Associate of Applied Science degree (A.A.S.). Normally these programs are two years, one year, or less in duration. These programs are designed primarily to prepare students for immediate employment. Depending on the program, some general education or related coursework may be required. Students are encouraged to supplement their career and technical training with at least two additional approved general education courses. Course requirements for various certificate programs are outlined in this catalog in the Career and Technical Education section.

### Graduation Requirements and Policies (Certificate)

1. Complete the minimum semester credits required for the program as outlined in the college catalog.
2. Complete general education requirements (if any).
3. Earn a minimum cumulative grade point average of 2.0 (a "C" average). Earn 25% of the semester credits of the program's coursework through Northeastern.
4. File an Application for Graduation at <https://www.njc.edu>.
5. Resolve all financial obligations to the college and return all library and college materials.

## Accounting Clerk I

TOTAL CREDITS 21

CIP# 520302| BANNER# C1AC

### Program Requirements

Total Credits-**21**

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
ACC115 ACC1015	Payroll Accounting	3
ACC121 ACC1021	Accounting Principles I	4
ACC122 ACC1022	Accounting Principles II	4
ACC235 ACC2035	Computerized Accounting: Small Business	3
CIS118 CIS1018	Introduction to PC Applications	3
CIS175 CIS1075	Special Topics	.25 - 6

## Accounting Clerk II

TOTAL CREDITS 45

CIP# 520302| BANNER# C2AC

### Program Requirements

Total Credits- **32.25 – 38**

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
ACC115 ACC1015	Payroll Accounting	3
ACC121 ACC1021	Accounting Principles I	4
ACC122 ACC1022	Accounting Principles II	4
ACC235 ACC2035	Computerized Accounting: Small Business	3
ACC132 ACC1032	Tax Help Colorado	2
ACC133 ACC1033	Tax Help Colorado Practicum	1
CIS118 CIS1018	Introduction to PC Applications	3
CIS175 CIS1075	Special Topics	.25 - 6
MAN226 MAN2026	Principles of Management	3

### Electives

Total Credits-**9**

Course Number	Course Title	Credits
Choose one course from the list below.		
ECO101 ECO1001	Economics of Social Issues: GT-SS1	3
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

Consult with a Northeastern Advisor and select (9) elective credits.

## **Advanced Ag Business Management**

TOTAL CREDITS **18**

CIP# 010101 | BANNER# CBAM

The Advanced Ag Business Management Certificate focuses on in-depth financial analysis of the business and measuring the past and present performance of the agriculture operation. Potential products to be completed in this certificate program include, but are not limited to an expanded trend analysis, pro-forma statements, alternative enterprise budgets, revised components of the business plan, risk management plan, and a critical issues list.

- Students will prepare financial documents, including but not limited to; a statement of owner's equity, statement of cash flow and pro-forma financial statements.
- Students will be able to complete an expanded trend analysis.
- Students should create and implement a risk management plan.
- Students will maintain and refine their computerized record-keeping system.

### **Program Requirements**

Total Credits-**18**

Course Number	Course Title	Credits
<a href="#">ABM213</a> <a href="#">ABM2013</a>	Advanced Business Management I	3
<a href="#">ABM214</a> <a href="#">ABM2014</a>	Advanced Business Management II	3
<a href="#">ABM215</a> <a href="#">ABM2015</a>	Advanced Business Management III	3
<a href="#">ABM216</a> <a href="#">ABM2016</a>	Advanced Business Management IV	3
<a href="#">ABM217</a> <a href="#">ABM2017</a>	Advanced Business Management V	3
<a href="#">ABM218</a> <a href="#">ABM2018</a>	Advance Business Management VI	3

## **Advanced Automotive Electrical**

TOTAL CREDITS **10**

CIP# 470604 | BANNER# AB7

### **Program Requirements**

Total Credits-**10**

Course Number	Course Title	Credits
<a href="#">ASE101</a> <a href="#">ASE1001</a>	Auto Shop Orientation	2
<a href="#">ASE235</a> <a href="#">ASE2035</a>	Drivability & Diagnosis	2
<a href="#">ASE291</a> <a href="#">ASE2191</a>	Automotive and Diesel Body Electrical	3
<a href="#">ASE292</a> <a href="#">ASE2192</a>	Automotive Computers and Ignition Systems	3

## **Agri-business**

TOTAL CREDITS **38**

CIP# 010101 | BANNER# AGB1

### **Program Requirements**

Total Credits-**9**

Course Number	Course Title	Credits
<a href="#">CIS118</a> <a href="#">CIS1018</a>	Introduction to PC Applications	3
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
or		
<a href="#">ENG131</a> <a href="#">ENG1031</a>	Technical Writing I: GT-CO1	3
or		
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3
and		
<a href="#">MAT107</a> <a href="#">MAT1140</a>	Career Math: Program Emphasis	3

Choose [ENG1015](#) (ENG115) or higher English course and Choose [MAT1140](#) (MAT107) or higher Math course.

### **Electives**

Total Credits-**21**

Choose a minimum of 21 credits of elective courses. There are a total of 30 credits (minimum) for the certificate. Elective courses may be taken from any of the following course disciplines: ACC, ABM, AGB, AGE, AGR, AGY, AME, ASC, AVT, BUS, CIS, DPM, EQM, EQT, HLT, IMA, MAN, MAR, MGD, RAM, or WEL. Other courses may be approved by the Academic Advisor for use as elective(s). Must take (6) credits of Equine related courses and an additional (9) credits of Agriculture and/or Business related courses. See advisor or program coordinator for specific details.

No more than one of the following courses may be used to fulfill requirements: [EQT1001](#), [EQT1002](#), [EQT2001](#), or [EQT2002](#) (EQT101, EQT102, EQT201, or EQT202). A maximum of (2) credits may be used from the following courses: [EQM1001](#), [EQM1002](#), [EQM2001](#), [EQM2002](#) (EQM101, EQM102, EQM201, EQM202).

## **Automatic Transmission Service**

TOTAL CREDITS **8**

CIP# 470604 | BANNER# AB5

### **Program Requirements**

Total Credits-**8**

Course Number	Course Title	Credits
<a href="#">ASE101</a> <a href="#">ASE1001</a>	Auto Shop Orientation	2
<a href="#">ASE250</a> <a href="#">ASE2050</a>	Automatic Transmission/Transaxle Service	1
<a href="#">ASE251</a> <a href="#">ASE2051</a>	Automatic Transmission/Transaxle Repair	3
<a href="#">ASE252</a> <a href="#">ASE2052</a>	Advanced Automatic Transmission/Transaxle	2

## Automotive & Diesel Master Technician

CIP# 470604 | BANNER# AUTX

Upon successful completion of all required courses in the Automotive Technology or in the Diesel Technology A.A.S. degree a student may pursue an Automotive & Diesel Master Technician Certificate.

The Automotive & Diesel Master Technician (ADMT) Certificate will provide Auto Tech and Diesel Tech students with the opportunity to supplement and enhance their technical skills with courses specific to the auto or diesel tech program in which they did not earn their degree-certificate. To earn an ADMT certificate an Auto Tech graduate will take certain diesel tech courses and a Diesel Tech graduate will take certain auto tech courses. Students completing this additional coursework will have a wide array of employment opportunities.

### Program Requirements

Total Credits- **52**

Certificate Requirements for an Auto Tech graduate (AUTX)
Minimum of 20 credits of Diesel Power Mechanics (DPM) course work and (6) general education credits from ACC, BUS, CWB, MAN or MAR.
Certificate Requirements for an Diesel Tech graduate (DSL4)
Minimum of 20 credits of Automotive Service Technology (ASE) course work and (6) general education credits from ACC, BUS, CWB, MAN or MAR.

## Automotive Brake Systems

TOTAL CREDITS 8

CIP# 470604 | BANNER# ABI

### Program Requirements

Total Credits- **8**

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE110 ASE1010	Brakes I	2
ASE111 ASE1011	Auto Brake II	2
ASE210 ASE2010	Auto Power/ABS Brake Systems	2

## Automotive Drivability & Emissions

TOTAL CREDITS 12

CIP# 470604 | BANNER# DREM

### Program Requirements

Total Credits- **12**

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE134 ASE1034	Automotive Fuel & Emissions Systems	2
ASE235 ASE2035	Drivability & Diagnosis	2
ASE292 ASE2192	Automotive Computers and Ignition Systems	3
ASE293 ASE2193	Auto Fuel Injection and Emissions II	3

## Automotive Electrical

TOTAL CREDITS 7

CIP# 470604 | BANNER# AB6

### Program Requirements

Total Credits- **7**

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE120 ASE1020	Basic Auto Electricity	2
ASE122 ASE1022	Auto Electric Safety Systems	1
ASE123 ASE1023	Battery Starting & Charging Systems	2

## Automotive Engines

TOTAL CREDITS 14

CIP# 470604 | BANNER# AB4

### Program Requirements

Total Credits- **14**

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE130 ASE1030	General Engine Diagnosis	2
ASE160 ASE1060	Auto Engine Repair	2
ASE162 ASE1062	Auto Engine Service	2
ASE191 ASE1091	Engine Repair & Rebuild	4
ASE165 ASE1065	Automotive Machining	2

## Automotive Heating & Air Conditioning

TOTAL CREDITS 6

CIP# 470604 | BANNER# AB

### Program Requirements

Total Credits- **6**

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE264 ASE2064	Introduction to Auto Heating and Air Conditioning	1
ASE295 ASE2095	Heating and Air Conditioning Systems	3

## Automotive Maintenance and Inspection

TOTAL CREDITS 6  
CIP# 470604 | BANNER# AMI

### Program Requirements

Total Credits- 6

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE103 ASE1003	Auto Maintenance I	2
ASE150 ASE1050	Manual Drive Trans & Axle	2

## Automotive Manual Powertrains & Clutches

TOTAL CREDITS 9  
CIP# 470604 | BANNER# AB2

### Program Requirements

Total Credits- 9

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE150 ASE1050	Manual Drive Trans & Axle	2
ASE151 ASE1051	Manual Transmission/Transaxles & Clutches	2
ASE192 ASE1092	Manual Transmission, Transaxles and Clutches II	3

## Automotive Steering & Suspension

TOTAL CREDITS 9  
CIP# 470604 | BANNER# AB8

### Program Requirements

Total Credits- 9

Course Number	Course Title	Credits
ASE101 ASE1001	Auto Shop Orientation	2
ASE140 ASE1040	Steering & Suspension I	2
ASE141 ASE1041	Steering & Suspension II	2
ASE294 ASE2194	Steering & Suspension III	3

## Basic Tax Preparation

TOTAL CREDITS 3  
CIP# 520302 | BANNER# CBTP

### Program Requirements

Total Credits- 3

Course Number	Course Title	Credits
ACC132 ACC1032	Tax Help Colorado	2
ACC133 ACC1033	Tax Help Colorado Practicum	1

## Business Administration

TOTAL CREDITS 16  
CIP# 520301 | BANNER# C1BA

### Program Requirements

Total Credits- 16

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
ACC121 ACC1021	Accounting Principles I	4
CIS118 CIS1018	Introduction to PC Applications	3

## Business Management

TOTAL CREDITS 45  
CIP# 520301 | BANNER# CZBM

### Program Requirements

Total Credits- 35.25-41

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
ACC121 ACC1021	Accounting Principles I	4
ACC122 ACC1022	Accounting Principles II	4
CIS118 CIS1018	Introduction to PC Applications	3
BUS102 BUS1002	Entrepreneurial Operations	3
MAN128 MAN1028	Human Relation-Organizations	3
MAN226 MAN2026	Principles of Management	3
MAN215 MAN2015	Organizational Behavior	3
ECO101 ECO1001	Economics of Social Issues: GT-SS1	3
or		
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
or		
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3
CIS175 CIS1075	Special Topics	.25 - 6

### Electives

Total Credits- 9

Choose 9 credits from ACC, BUS, CIS, ECO, MAN, MAR prefix or [PHI2005](#).



## Commodity Marketing

TOTAL CREDITS 18

CIP# 010101 | BANNER# CBM3

The Commodity Marketing Certificate introduces you to commodity marketing and teaches you to utilize a defined, written marketing plan. Potential products completed in this certificate program include, but are not limited to a list of marketing strategies, basis schedule, field tracking system, marketing plan, and production database.

### Program Learning Outcomes:

- Students will be able to analyze price behavior using technical analysis and fundamental analysis.
- Students will complete final steps in the development of a marketing plan.
- Student should develop a cost of production database.
- Students will maintain and refine their computerized record-keeping system.

### Program Requirements

Total Credits- 18

Course Number	Course Title	Credits
ABM125 ABM1025	Commodity Marketing III	3
ABM126 ABM1026	Commodity Marketing IV	3
ABM127 ABM1027	Commodity Marketing V	3
ABM128 ABM1028	Commodity Marketing VI	3

## Cosmetology

TOTAL CREDITS 54

CIP# 120401 | BANNER# COSY

Cosmetology is one of the most demanding, rewarding, diversified, and fastest growing specialties in the world today. This program is designed to provide high quality theory and practical training necessary to meet the requirements for today's cosmetologists.

This one-year program begins fall semester of each year and meets the training required by Colorado's Department of Regulatory Agency/Cosmetology-Barber Board for state licensing. A Northeastern Certificate in Cosmetology will be granted upon successful completion of all required courses with a cumulative grade of 2.0 ("C or better"). Graduates are eligible to take the state board exam to obtain a cosmetology license in the state of Colorado. The Cosmetology department is housed in a 5,082 square foot facility and offers a wide range of salon services to the community.

### Fall Freshman Year

Total Credits- 17

#### A-Term

Course Number	Course Title	Credits
COS103 COS1003	Shampoos, Rinses & Conditioners I	1
COS110 COS1010	Introduction: Hair Coloring	2
COS120 COS1020	Introduction: Hair Cutting	2
COS130 COS1030	Introduction: Hair Styling	2
COS140 COS1040	Introduction: Chemical Texture	1
COS150 COS1050	Laws, Rules, and Regulations	1

Course Number	Course Title	Credits
COS160 COS1060	Introduction: Disinfection/Sanitation/Safety	2
EST110 EST1010	Introduction: Facials & Skin Care	3
NAT110 NAT1010	Introduction to Manicures and Pedicures	3
EDU176 EDU1076	ST: Student Success Seminar	0

### Fall Freshman Year

Total Credits- 13

#### B-Term

Course Number	Course Title	Credits
COS111 COS1011	Intermediate I Hair Coloring	2
COS121 COS1021	Intermediate: Hair Cutting	2
COS131 COS1031	Intermediate: Hair Styling	2
COS141 COS1041	Intermediate: Chemical Texture	1
COS161 COS1061	Intermediate: Disinfection/Sanitation/Safety	1
COS203 COS2003	Intermediate I: Hair and Scalp	1
EST111 EST1011	Intermediate: Facials & Skin Care	2
NAT111 NAT1011	Intermediate Manicures and Pedicures	2

### Spring Freshman Year

Total Credits- 15

#### A-Term

Course Number	Course Title	Credits
COS230 COS2030	Intermediate II: Hair Styling	2
COS220 COS2020	Intermediate II: Haircutting	2
COS260 COS2060	Intermediate II: Infection Control and Prevention	2
COS240 COS2040	Intermediate II: Chemical Texture	1
COS210 COS2010	Intermediate II: Hair Coloring	2

### Spring Freshman Year

Total Credits- 9

#### B-Term

Course Number	Course Title	Credits
COS250 COS2050	Business Management/Personal Skills/Ethics	1
NAT210 NAT2010	Advanced Manicures & Pedicures	2
EST212 EST2012	Hair Removal	3
COS261 COS2061	Advanced Disinfection/Sanitation/Safety	1
COS211 COS2011	Advanced Hair Coloring	2

## Criminal Justice

TOTAL CREDITS 16

CIP# 430103 | BANNER# TCJC

The Criminal Justice Certificate program provides a basic understanding of the criminal justice system as a profession and discipline. The certificate program would benefit those currently a junior or senior in high school or working full or part-time job. The certificate provides students with the foundation to move forward and obtain an Associate of Arts in Criminal Justice at Northeastern Junior College or at any of the other Colorado Community Colleges.

### Program Requirements

Total Credits- 16

Course Number	Course Title	Credits
CRJ110 CRJ1010	Introduction to Criminal Justice: GT-SS3	3
CRJ125 CRJ1025	Policing Systems	3
CRJ205 CRJ2005	Principles of Criminal Law	3
CRJ145 CRJ1045	Correctional Process	3
CRJ127 CRJ1027	Crime Scene Investigation	3
HWE117 HWE1003	Mental Health First Aid	1

## Diesel & Automotive Master Technician

CIP# 470613 | BANNER# DSL4

Upon successful completion of all required courses in the Automotive Technology or in the Diesel Technology A.A.S. degree a student may pursue an Automotive & Diesel Master Technician Certificate.

The Automotive & Diesel Master Technician (ADMT) Certificate will provide Auto Tech and Diesel Tech students with the opportunity to supplement and enhance their technical skills with courses specific to the auto or diesel tech program in which they did not earn their degree-certificate. To earn an ADMT certificate an Auto Tech graduate will take certain diesel tech courses and a Diesel Tech graduate will take certain auto tech courses. Students completing this additional coursework will have a wide array of employment opportunities.

Currently there are many employment opportunities in both the automotive and diesel areas that are going unfilled due to a lack of qualified personnel. The Automotive & Diesel Master Technician Certificate will also provide graduates who wish to become entrepreneurs a much broader foundation on which to build an automotive and/or diesel repair business.

### Program Requirements

Total Credits- 52

<b>Certificate Requirements for an Auto Tech graduate (AUTX)</b>
Minimum of 20 credits of Diesel Power Mechanics (DPM) course work and (6) general education credits from ACC, BUS, CWB, MAN or MAR.
<b>Certificate Requirements for an Diesel Tech graduate (DSL4)</b>
Minimum of 20 credits of Automotive Service Technology (ASE) course work and (6) general education credits from ACC, BUS, CWB, MAN or MAR.

## Diesel Electrical

TOTAL CREDITS 14

CIP# 470613 | BANNER# DT3

### Program Requirements

Total Credits- 14

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM120 DPM1020	Basic Heavy Duty Electricity	2
DPM126 DPM1026	Heavy Duty Starting & Charging	3
DPM136 DPM1036	Heavy Duty Cab Inspection & Maintenance	2
DPM222 DPM2022	Heavy Duty Lighting & Instrumentation	3
DPM291 DPM2191	Heavy Duty Body Electrical Systems	2

## Diesel Engines

TOTAL CREDITS 16

CIP# 470613 | BANNER# DT6A

### Program Requirements

Total Credits- 16

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM103 DPM1003	Diesel Engines I	4
DPM104 DPM1004	Diesel Engine Cooling System	2
DPM191 DPM1191	Diesel Fuel Systems	2
DPM203 DPM2003	Diesel Engines II	4
DPM210 DPM2010	Diesel Air Induction & Exhaust	2

## Diesel Heavy Duty Brakes

TOTAL CREDITS 10

CIP# 470613 | BANNER# DT2

### Program Requirements

Total Credits- 10

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM206 DPM2006	Heavy Duty Brakes I	3
DPM207 DPM2007	Heavy Duty Brakes II	3
DPM209 DPM2009	Heavy Duty Dynamic System	2

## Diesel Heavy Duty Powertrains

TOTAL CREDITS 8  
CIP# 470613 | BANNER# DT8

### Program Requirements

Total Credits- 8

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM105 DPM1005	Heavy Duty Powertrains I	3
DPM205 DPM2005	Heavy Duty Powertrains II	3

## Diesel Heavy Duty Steering & Suspension

TOTAL CREDITS 8  
CIP# 470613 | BANNER# DT4

### Program Requirements

Total Credits- 8

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM264 DPM2064	Heavy Duty Heating & Ventilation	2
DPM240 DPM2040	Heavy Duty Steering & Suspension II	3

## Diesel HVAC

TOTAL CREDITS 7  
CIP# 470613 | BANNER# DT5

### Program Requirements

Total Credits- 7

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM264 DPM2064	Heavy Duty Heating & Ventilation	2
DPM265 DPM2065	Heavy Duty Air Conditioning Systems Service	3

## Diesel Hydraulics

TOTAL CREDITS 6  
CIP# 470613 | BANNER# DT7

### Program Requirements

Total Credits- 6

Course Number	Course Title	Credits
DPM101 DPM1001	Diesel Shop Orientation	2
DPM192 DPM1192	Hydraulic Systems I	1
DPM122 DPM1022	Hydraulic Systems II	3

## Early Childhood Assistant Teacher

TOTAL CREDITS 6  
CIP# 131210 | BANNER#

### Program Requirements

Total Credits- 6

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE103 ECE1031	Guidance Strategies Young Children	3

## Early Childhood Director

TOTAL CREDITS 30  
CIP# 131210 | BANNER# ED3

The Director Certificate is designed for persons who have 24 months or more of verified work experience with young children and wish to establish director qualifications in the State of Colorado. The work experience must be full days working directly with children in a child development program.

### Program Requirements

Total Credits- 30

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE102 ECE1045	Introduction to ECE Techniques	3
ECE103 ECE1031	Guidance Strategies Young Children	3
ECE111 ECE1111	Infant/Toddler Theory/Practice	3
ECE205 ECE2051	ECE Nutrition/Health/Safety	3
ECE220 ECE2621	Curriculum Methods/Techniques	3
ECE238 ECE2381	ECE Child Growth & Development	3
ECE240 ECE2401	Administration of ECE Programs	3
ECE241 ECE2411	Administration: Human Relations ECE	3
ECE260 ECE2601	The Exceptional Child	3

## Early Childhood Teacher

TOTAL CREDITS 18  
CIP# 131210 | BANNER# ED2Y

The Teacher Certificate is designed for persons who have nine months or more of verified work experience with young children and wish to establish group leader qualifications within the State of Colorado. The work experience must be in the care and supervision of four or more children under 6 years of age who are not related to the individual.

### Program Requirements

Total Credits- 18

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE102 ECE1045	Introduction to ECE Techniques	3

Course Number	Course Title	Credits
<a href="#">ECE103</a> <a href="#">ECE1034</a>	Guidance Strategies Young Children	3
<a href="#">ECE220</a> <a href="#">ECE2621</a>	Curriculum Methods/Techniques	3
<a href="#">ECE238</a> <a href="#">ECE2384</a>	ECE Child Growth & Development	3
Also choose one of the following courses.		
<a href="#">ECE111</a> <a href="#">ECE1114</a>	Infant/Toddler Theory/Practice	3
<a href="#">ECE256</a> <a href="#">ECE2101</a>	Working with Parents, Families & Community Systems	3
<a href="#">ECE260</a> <a href="#">ECE2604</a>	The Exceptional Child	3

## EMT Basic

TOTAL CREDITS 10

CIP# 510904 | BANNER# EMTB

Upon completion of the Emergency Medical Technical Program the student will meet the prerequisite for taking the National Registry Examination for Emergency Medical Technicians. The program will teach skills in emergency treatment procedures as used with an ambulance service.

### Program Requirements

Total Credits- 10

Course Number	Course Title	Credits
<a href="#">EMS121</a> <a href="#">EMS1021</a>	EMT Fundamentals	3
<a href="#">EMS122</a> <a href="#">EMS1022</a>	EMT Medical Emergencies	4
<a href="#">EMS123</a> <a href="#">EMS1023</a>	EMT Trauma Emergencies	2
<a href="#">EMS170</a> <a href="#">EMS1070</a>	EMT Clinical	1

## Equine Business Management Certificate

TOTAL CREDITS 30

CIP# 010507 | BANNER# EQBM

### Written Communication

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
<a href="#">ENG115</a> <a href="#">ENG1015</a>	Technical English & Communication	3
<a href="#">ENG121</a> <a href="#">ENG1021</a>	English Composition I:GT-CO1	3

### Oral Communication

Total Credits- 3

Course Number	Course Title	Credits
<a href="#">COM115</a> <a href="#">COM1150</a>	Public Speaking	3

### Mathematics

Total Credits- 3

Choose [MAT1140](#) (MAT107) or higher Math course.

## Electives

Total Credits- 15

All elective courses must be approved by advisor or program coordinator. Minimum of 6 credits in Equine related courses. Minimum of 9 additional credits in Agriculture or Business related courses. No more than one of the following courses may be used to fulfill requirements: [EQT1001](#), [EQT1002](#), [EQT2001](#), or [EQT2002](#) (EQT101, EQT102, EQT201, or EQT202). A maximum of (2) credits may be used from the following courses: [EQM1001](#), [EQM1002](#), [EQM2001](#), [EQM2002](#) (EQM101, EQM102, EQM201, EQM202). Equine Skill Requirement: The student must demonstrate a minimum skill level in handling or riding horses. **\*Please Note:** There are two methods to complete the requirement:

1. Prior equine skill experience. The student may submit documentation of prior experience involving handling, training, riding or care of horses. Previous experience must be approved by advisor or program coordinator. See advisor or program coordinator for information.
2. Course work involving skills in horse handling, riding or training or courses designed for preparation in competitive equine events such as rodeo or versatility ranch horse. Courses must be approved by advisor or program coordinator. Credits for these courses can be applied to the program electives.

## Equine Management-Training

TOTAL CREDITS 30

CIP# 010507 | BANNER# EQU4

### Program Requirements

Total Credits- 13

Course Number	Course Title	Credits
<a href="#">EQM101</a> <a href="#">EQM1001</a>	Stable Operations I	1
<a href="#">EQM102</a> <a href="#">EQM1002</a>	Stable Operations II	1
<a href="#">EQT101</a> <a href="#">EQT1001</a>	Introduction to Horse Training	5
<a href="#">EQT102</a> <a href="#">EQT1002</a>	Beginning Colt Training	6

## Electives

Total Credits- 17

Choose a minimum of 17 credits of elective courses. There are a total of 30 credits (minimum) required for this certificate. Elective courses may be taken from any of the following course disciplines: ACC, ABM, AGB, AGE, AGR, AGY, AME, ASC, AVT, BUS, CIS, DPM, ENG, EQM, EQT, HLT, IMA, MAN, MAR, MAT, MGD, RAM, or WEL. Other courses may be approved by the Academic Advisor for use as elective(s).

## FCAW

TOTAL CREDITS 7

CIP# 480508 | BANNER# WFCA

### Program Requirements

Total Credits- 7

Course Number	Course Title	Credits
<a href="#">WEL100</a> <a href="#">WEL1000</a>	Safety for Welders	1
<a href="#">WEL106</a> <a href="#">WEL1006</a>	Blueprint Read-Welders/Fitters	4
<a href="#">WEL252</a> <a href="#">WEL2052</a>	FCAW Flat & Vertical	2

## Financial Analysis

TOTAL CREDITS 18  
CIP# 010101 | BANNER# CBMF

The focus of the Financial Analysis Certificate is to develop financial statements and understand financial ratios as they relate to the agricultural business. Potential products completed in this certificate program include, but are not limited to a cash flow, enterprise budgets, accrual market balance sheet, accrual income statement, financial ratios, and a historical comparison report.

### Program Learning Outcomes:

- Students will learn how to prepare financial planning documents such as enterprise budgets and cash flow statements.
- Students will understand and implement accrual accounting into their own businesses.
- Students will maintain and refine their computerized record-keeping system.

### Program Requirements

Total Credits- 18

Course Number	Course Title	Credits
ABM113 ABM1013	Financial Analysis I	3
ABM114 ABM1014	Financial Analysis II	3
ABM115 ABM1015	Financial Analysis III	3
ABM116 ABM1016	Financial Analysis IV	3
ABM117 ABM1017	Financial Analysis V	3
ABM118 ABM1018	Financial Analysis VI	3

## Firefighter Advanced Level

TOTAL CREDITS 16.5  
CIP# 430203 | BANNER# FIRE

### Program Requirements

Total Credits- 16.5

Course Number	Course Title	Credits
FST100 FST1000	Firefighter I	9
FST107 FST1007	HazMat Operations (Level I)	3
FSW100 FSW1000	S-190 Introduction to Wildland Fire	1
FSW101 FSW1001	S-130 Firefighting Training	2
HPR102 HPR1011	CPR Professionals	0.5
PED101 PED1001	Conditioning Lab	1

## Firefighter Basic Level

TOTAL CREDITS 13  
CIP# 430203 | BANNER# FIFB

### Program Requirements

Total Credits- 13

Course Number	Course Title	Credits
FST100 FST1000	Firefighter I	9
FST107 FST1007	HazMat Operations (Level I)	3
PED101 PED1001	Conditioning Lab	1

## Firefighter Instructor

TOTAL CREDITS 7  
CIP# 430203 | BANNER# FIR3

### Program Requirements

Total Credits- 7

Course Number	Course Title	Credits
FST201 FST2001	Instructional Methodology	3
EDU250 EDU2501	CTE in Colorado	1
EDU260 EDU2601	Adult Learning & Teaching	3

## Forensic Psychology

TOTAL CREDITS 16  
CIP# 422812 | BANNER# TFPC

The Forensic Psychology certificate program is designed to provide a basic understanding of Forensic Psychology as a profession and discipline. This certificate program would benefit those currently a junior or senior in high school or working a full or part-time job. The certificate provide students with the foundation to move forward and obtain an Associates of Arts in either Criminal Justice or Psychology at Northeastern Junior College or at any of the other Colorado Community Colleges.

### Program Requirements

Total Credits- 16

Course Number	Course Title	Credits
PSY101 PSY1001	General Psychology I: GT-SS3	3
PSY207 PSY2770	Introduction to Forensic Psychology	3
CRJ205 CRJ2005	Principles of Criminal Law	3
CRJ268 CRJ2068	Criminal Profiling	3
PSY249 PSY2552	Abnormal Psychology: GT-SS3	3
HWE117 HWE1003	Mental Health First Aid	1

\*Please Note: Courses can be taken out of order.

## Foundations of Business I

TOTAL CREDITS 16  
CIP# 520301 | BANNER# CFB1

### Program Requirements

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG121 ENG1021	English Composition I:GT-CO1	3
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
MAT112 MAT1160	Financial Mathematics	3
BUS226 BUS2026	Business Statistics	3
MAT121 MAT1340	College Algebra: GT-MA1	4

### Program Requirements

Total Credits- 6

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
ACC121 ACC1021	Accounting Principles I	4

### Program Requirements

Total Credits- 3

Choose an additional 3 credits of electives in ACC, BUS, ECO, MAN, MAR, MGD or [PHI2005](#) (PHI205) or other approved course.

## Foundations of Business II

TOTAL CREDITS 23  
CIP# 520301 | BANNER# CFB2

### Program Requirements

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
ENG121 ENG1021	English Composition I:GT-CO1	3
COM115 COM1150	Public Speaking	3
COM125 COM1250	Interpersonal Communication: GT-SS3	3

### Mathematics

Total Credits- 3

Course Number	Course Title	Credits
Choose one of the following courses.		
MAT112 MAT1160	Financial Mathematics	3
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
MAT121 MAT1340	College Algebra: GT-MA1	4

### Program Requirements

Total Credits- 20

Course Number	Course Title	Credits
BUS115 BUS1015	Introduction to Business	3
ACC121 ACC1021	Accounting Principles I	4
ACC122 ACC1022	Accounting Principles II	4
BUS216 BUS2016	Legal Environment of Business	3
BUS217 BUS2017	Business Communication/Report Writing	3
Also choose one of the following courses.		
ECO101 ECO1001	Economics of Social Issues: GT-SS1	3
ECO201 ECO2001	Principles of Macroeconomics: GT-SS1	3
ECO202 ECO2002	Principles of Microeconomics: GT-SS1	3

### Electives

Total Credits- 3

Choose an additional 3 credits of electives in ACC, BUS, ECO, MAN, MAR, MGD or [PHI2005](#) (PHI205) or other approved course.

## GMAW

TOTAL CREDITS 9  
CIP# 480508 | BANNER# GMAW

### Program Requirements

Total Credits- 9

Course Number	Course Title	Credits
WEL100 WEL1000	Safety for Welders	1
WEL106 WEL1006	Blueprint Read-Welders/Fitters	4
WEL126 WEL1026	GMAW (MIG) Steel I	2
WEL226 WEL2026	GMAW (MIG) Steel II	2

## GTAW

TOTAL CREDITS 11  
CIP# 480508 | BANNER# WTET

### Program Requirements

Total Credits- **11**

Course Number	Course Title	Credits
WEL100 WEL1000	Safety for Welders	1
WEL106 WEL1006	Blueprint Read-Welders/Fitters	4
WEL164 WEL1064	GTAW Steel I	2
WEL165 WEL1065	GTAW (TIG) Steel II	2
WEL260 WEL2060	GTAW Stainless & Aluminum I	2

## Industrial Control

TOTAL CREDITS 10  
CIP# 150499 | BANNER# WIE4

This certificate is designed to provide students the necessary skills to safely work in an industrial or commercial facility. The students will also have the ability to install, integrate, and program industrial automation equipment such as Programmable Logic Controllers (PLC), Variable Frequency Drives (VFD), and Human Machine Interfaces (HMI).

### Program Requirements

Total Credits- **10**

Course Number	Course Title	Credits
EIC220 EIC2320	Industrial Electrical Controls	4
ELT258 ELT2358	Programmable Logic Controllers	3
ELT259 ELT2359	Advanced Programmable Logic Control	3

## Industrial Electricity

TOTAL CREDITS 10  
CIP# 150499 | BANNER# WIE2

This certificate is designed to provide students the necessary skills to safely work in an industrial or commercial facility. The students will also have the ability to work safely while performing maintenance and repair of electrical equipment and motor control units.

### Program Requirements

Total Credits- **10**

Course Number	Course Title	Credits
ELT106 ELT1206	Fundamentals of DC/AC	4
ELT252 ELT2252	Motors & Controls	3
WTG110 WTG1010	Wind Turbine Generator Power & Control Systems	3

## Industrial Maintenance

TOTAL CREDITS 11  
CIP# 150499 | BANNER# WIE1

This certificate is designed to provide students the necessary skills to safely work in an industrial or commercial facility. The students will also have the ability to work safely while performing maintenance and repair of mechanical equipment.

### Program Requirements

Total Credits- **11**

Course Number	Course Title	Credits
IMA100 IMA1700	Introduction to Industrial Maintenance	3
IMA120 IMA1500	Industrial Rotating Equipment	3
IMA160 IMA1400	Basic Fluid Power	3
WEL116 WEL1016	SMAW Flat & Horizontal	2

## Industrial Safety

TOTAL CREDITS 5  
CIP# 150499 | BANNER# WIE3

This certificate is designed to provide students the necessary skills to safely work in an industrial environment including working at height on wind turbines. Students will also learn what to do if an emergency occurs at the work place.

### Program Requirements

Total Credits- **5**

Course Number	Course Title	Credits
EIC101 EIC1101	Job Training and Safety	3
MIL101 MIL1001	Lifting Devices	1
HWE103 HWE1001	Community First Aid and CPR	1

## Market Plan Development

TOTAL CREDITS 18  
CIP# 010101 | BANNER# CBM1

The Market Plan Development Certificate is designed for students who want to continue with an option of completing a market plan in a specific area. Potential products to be completed in this certificate program include, but are not limited to product/service analysis, competitive analysis, target market list, price template, breakeven template, promotional strategy, decision aid tool list and a market plan.

### Program Learning Outcomes:

- Students will review and maintain current system to established trends.
- Students will maintain and refine their computerized record-keeping system.

## Program Requirements

Total Credits- **18**

Course Number	Course Title	Credits
ABM163 ABM1063	Marketing Plan Development I	3
ABM164 ABM1064	Marketing Plan Development II	3
ABM165 ABM1065	Marketing Plan Development III	3
ABM166 ABM1066	Marketing Plan Development IV	3
ABM167 ABM1067	Marketing Plan Development V	3
ABM168 ABM1068	Marketing Plan Development VI	3

## Nanny/Infant Toddler Teacher

TOTAL CREDITS **35**

CIP# 131210 | BANNER# ED8

### Program Requirements

Total Credits- **35**

Course Number	Course Title	Credits
ECE101 ECE1011	Introduction to Early Childhood Education	3
ECE102 ECE1045	Introduction to ECE Techniques	3
ECE103 ECE1031	Guidance Strategies Young Children	3
ECE111 ECE1111	Infant/Toddler Theory/Practice	3
ECE112 ECE1125	Infant/Toddler Lab Tech	3
ECE130 ECE1301	The Professional Nanny	3
ECE131 ECE1315	Nanny Methods & Techniques	3
ECE205 ECE2051	ECE Nutrition/Health/Safety	3
ECE209 ECE2061	Observing Young Children	1
ECE238 ECE2381	ECE Child Growth & Development	3
ECE256 ECE2101	Working with Parents, Families & Community Systems	3
HWE103 HWE1001	Community First Aid and CPR	1
ECE260 ECE2601	The Exceptional Child	3

## Nurse Aide Certificate of Achievement

TOTAL CREDITS **5.5**

CIP# 513902 | BANNER# NACT

This short program prepares students to work as a Certified Nurse Aide in a hospital, nursing home, or other health related agency. After successful completion, the student is eligible to take the Colorado Board of Nursing examination to become certified.

### Program Requirements

Total Credits- **5.5**

Course Number	Course Title	Credits
NUA101 NUA1001	Nurse Aide Health Care Skills	4
NUA102 NUA1002	Certification Exam Prep	0.5
NUA170 NUA1070	Nurse Aide Clinical Experience	1

## Oxy-fuel

TOTAL CREDITS **9**

CIP# 480508 | BANNER# WOWC

### Program Requirements

Total Credits- **9**

Course Number	Course Title	Credits
WEL100 WEL1000	Safety for Welders	1
WEL106 WEL1006	Blueprint Read-Welders/Fitters	4
WEL113 WEL1013	Oxyfuel and Plasma Cutting	2
WEL114 WEL1014	Oxyacetylene Welding	2

## Practical Nursing Certificate Exit Option

TOTAL CREDITS **54**

CIP# 513801 | BANNER# PN2

Practical Nursing has earned a respected place on the health care team and have both independent and dependent functions in providing patient care. This program provides qualified individuals the theory and hands on skills to provide patient care to include patient assessment, implementing doctors' orders and providing patient education.

Practical nurses are trained to give basic bedside nursing care in a variety of settings including home care agencies, clinics and long-term care facilities under the supervision of a registered nurse or physician.

The practical nursing certificate can be awarded to a student who completes the first year of the two-year associate degree program and takes an additional course in the summer, NUR169 (1069) Transition into Practical Nursing. This certificate in practical nursing is awarded with a grade of "C" or better in all required course work. After receiving the certificate of Practical Nursing the student is eligible to take the NCLEX-PN exam (state board exam) to become a Licensed Practical Nurse (LPN).

### Prerequisites

Total Credits- **15-17**

Course Number	Course Title	Credits
ENG121 ENG1021	English Composition I:GT-CO1	3
BIO201 BIO2101	Human Anatomy & Physiology I with Lab: GT-SC1	4



Course Number	Course Title	Credits
BIO202 BIO2102	Human Anatomy & Physiology II with Lab: GT-SC1	4
PSY235 PSY2440	Human Growth & Development: GT-SS3	3
Also choose one of the following courses.		
HPR108 HPR1010	Dietary Nutrition	1
HWE100 HWE1050	Human Nutrition	3

### Fall First Year

Total Credits- **15-16**

Course Number	Course Title	Credits
NUR109 NUR1009	Fundamentals of Nursing	6
NUR112 NUR1012	Basic Concepts of Pharmacology	2
BIO204 BIO2104	Microbiology with Lab: GT-SC1	4
Also choose one of the following courses.		
MAT103 MAT1120	Math for Clinical Calculations	3
MAT135 MAT1260	Introduction to Statistics: GT-MA1	3
MAT121 MAT1340	College Algebra: GT-MA1	4

Take 3 credits of [Social and Behavioral Science](#).  
BIO2104 (BIO204) and MAT can be completed prior to entry.

### Spring First Year

Total Credits- **17**

Course Number	Course Title	Credits
NUR150 NUR1050	Maternal - Child Nursing	6
NUR106 NUR1006	Medical Surgical Concepts	7
BIO216 BIO2116	Human Pathophysiology	4

BIO2116 (BIO216) can be completed prior to entry.

### Summer Term

Total Credits- **4**

Course Number	Course Title	Credits
NUR169 NUR1069	Transition Into Practical Nursing	4

## Precision Agriculture

TOTAL CREDITS **15**

CIP# 010301 | BANNER# PA1

### Program Requirements

Total Credits- **13**

Course Number	Course Title	Credits
AGP100 AGP1000	Practical Crop Production	4
AGR235 AGR2035	Precision AG Operations	3
AGR236 AGR2036	Precision Farming Hardware	3
AME125 AME1025	Agricultural Machinery	3

### Electives

Total Credits- **2**

Choose a minimum of 2 credits of electives courses. There are a total of 15 credits (minimum) required for this certificate. Elective courses may be taken from any of the following course disciplines: ACC, ABM, AGB, AGE, AGR, AGY, AME, ASC, AVT, BUS, CIS, DPM, EQM, EQT, HLT, IMA, MAN, MAR, MGD, RAM, or WEL. Other courses may be approved by the Academic Advisor for use as elective(s).

## Precision Agriculture-Advanced

TOTAL CREDITS **24-26**

CIP# 010301 | BANNER# PAA

### Program Requirements

Total Credits- **24-26**

Course Number	Course Title	Credits
AGP100 AGP1000	Practical Crop Production	4
AGP110 AGP1010	Integrated Pest Management	1-3
AGP204 AGP2004	Soil Fertility and Fertilizers	4
AGR235 AGR2035	Precision AG Operations	3
AGR236 AGR2036	Precision Farming Hardware	3
AGY240 AGY2140	Introduction Soil Science: GT-SC1	4
AME125 AME1025	Agricultural Machinery	3
AVT255 AVT2055	Unmanned Aircraft Systems Ground School	2

### Electives

Total Credits- **4**

Choose a minimum of 4 credits of electives courses. There are a total of 30 credits (minimum) required for this certificate. Elective courses may be taken from any of the following course disciplines: ACC, ABM, AGB, AGE, AGR, AGY, AME, ASC, AVT, BUS, CIS, DPM, EQM, EQT, HLT, IMA, MAN, MAR, MGD, RAM, or WEL. Other courses may be approved by the Academic Advisor for use as elective(s). Must take (6) credits of Equine related courses and an additional (9) credits of Agriculture and/or Business related courses. See advisor or program coordinator for specific details.

## Production Agriculture

TOTAL CREDITS **38**  
CIP# 010301 | BANNER# PRAA

### Program Requirements

Total Credits- **8**

Course Number	Course Title	Credits
AGP180 AGP1080	Production Ag Internship	8

### Electives

Total Credits- **30**

Choose a minimum of 30 credits of elective courses. There are a total of 38 credits (minimum) for this certificate including the 8 credit Internship. Elective courses may be taken from any of the following course disciplines (prefixes): ACC, ABM, AGB, AGE, AGR, AGY, AME, ASC, AVT, BUS, DPM, EQM, EQT, HLT, IMA, MAN, MAR, RAM or WEL. Other courses may be approved by the Academic Advisor for use as elective(s).

## Profit Maximization

TOTAL CREDITS **18**  
CIP# 010101 | BANNER# CBMP

The Profit Maximization Certificate focuses on basic economic concepts that enhance the financial success of an agriculture operation. Potential products to be completed in this certificate include, but are not limited to a major business structure list, Schedule F tax schedule, enterprise production function, supply/demand graph, and a market price equilibrium graph.

### Program Learning Outcomes:

- Students will understand the difference between the major business structures.
- Students will be able to prepare Schedule F tax schedule using financial data.
- Students will be able to determine enterprise production functions for their enterprises and use this information to determine profit maximizing levels of input and output use.
- Students shall demonstrate the use of supply/demand graphs to determine equilibrium price for products/services.

### Program Requirements

Total Credits- **18**

Course Number	Course Title	Credits
ABM233 ABM2033	Profit Maximization I	3
ABM234 ABM2034	Profit Maximization II	3
ABM235 ABM2035	Profit Maximization III	3
ABM236 ABM2036	Profit Maximization IV	3
ABM237 ABM2037	Profit Maximization V	3
ABM238 ABM2038	Profit Maximization VI	3

## Records and Business Planning

TOTAL CREDITS **18**  
CIP# 010101 | BANNER# CBM5

The Records and Business Planning certificate focuses on helping students master computerized record-keeping and begin to develop a business plan. Potential products completed in this certificate program include, but are not limited to a balance sheet, chart of accounts, business goals, personal goals, amortization schedules, cash income statements, and a SWOT analysis.

- Students will understand the components of the business plan.
- Students will be able to read and understand information contained within financial reports.

### Program Requirements

Total Credits- **18**

Course Number	Course Title	Credits
ABM103 ABM1003	Records & Business Planning I	3
ABM104 ABM1004	Records & Business Planning II	3
ABM105 ABM1005	Records & Business Plan III	3
ABM106 ABM1006	Records & Business Planning IV	3
ABM107 ABM1007	Records & Business Planning V	3
ABM108 ABM1008	Records & Business Planning VI	3

## Rural Business Entrepreneurship

TOTAL CREDITS **18**  
CIP# 010101 | BANNER# CRBE

The goal of the Rural Business Entrepreneurship Certificate is to introduce the student to business planning and work through the business plan components giving the student a completed business plan for their business upon completion. Potential products to be completed in this certificate include, but are not limited to product/service description, customer analysis, competition analysis, beginning balance sheet, and cash flow budget.

### Program Learning Outcomes:

- Students will understand the purpose of a business plan and its components.
- Students will be able to evaluate and analyze financial documents pertinent to their business.
- Students will complete a business plan for their business.

### Program Requirements

Total Credits- **18**

Course Number	Course Title	Credits
ABM243 ABM2043	Rural Bus Entrepreneurship I	3
ABM244 ABM2044	Rural Bus Entrepreneurship II	3
ABM245 ABM2045	Rural Bus Entrepreneurship III	3
ABM246 ABM2046	Rural Bus Entrepreneurship IV	3
ABM247 ABM2047	Rural Bus Entrepreneurship V	3
ABM248 ABM2048	Rural Bus Entrepreneurship VI	3

## SMAW

TOTAL CREDITS 11  
CIP# 480508 | BANNER# W SMAW

### Program Requirements

Total Credits- 11

Course Number	Course Title	Credits
WEL100 WEL1000	Safety for Welders	1
WEL106 WEL1006	Blueprint Read-Welders/Fitters	4
WEL116 WEL1016	SMAW Flat & Horizontal	2
WEL117 WEL1017	SMAW Vertical	2
WEL118 WEL1018	SMAW Overhead	2

## T-Prep Early Childhood Education

### Certificate

TOTAL CREDITS 16  
CIP#131015

The T-Prep Early Childhood Education Certificate is designed for the student that is pursuing a bachelor's degree in Early Childhood Education through the T-Prep articulation agreement between NJC and CU Denver. Courses in this certificate are part of the third year program requirements for CU Denver, but are taken through NJC. Students should enroll in this certificate program ONLY if they choose to slow down year three and enroll as a part-time student. Students that enroll full-time in year three of the T-Prep Elementary Education should enroll through CU Denver. More specific information regarding the T-Prep program in Early Childhood Education can be found on the NJC website at [NJC T-Prep](#).

### Program Requirements

Total Credits- 12

Course Number	Course Title	Credits
EDU234 EDU2341	Multicultural Education	3
EDU261 EDU2611	Teaching, Learning & Technology	3
ECE240 ECE2401	Administration of ECE Programs	3
ECE260 ECE2601	The Exceptional Child	3

### Electives

Total Credits- 4

Course Number	Course Title	Credits
Choose at least one (3 credit) course and one (1 credit) course from the following list.		
ECE205 ECE2051	ECE Nutrition/Health/Safety	3
ECE226 ECE2641	Creativity and the Young Child	3
ECE228 ECE2651	Language and Literacy	3
COM220 COM2300	Intercultural Communication: GT-SS3	3
SOC101 SOC1001	Introduction to Sociology I: GT-SS3	3

Course Number	Course Title	Credits
Choose at least one (3 credit) course and one (1 credit) course from the following list.		
SOC102 SOC1002	Introduction to Sociology II: GT-SS3	3
ANT101 ANT1001	Cultural Anthropology: GT-SS3	3
LIT205 LIT2005	Ethnic Literature: GT-AH2	3
Also choose one of the following courses.		
ECE209 ECE2061	Observing Young Children	1
ECE108 ECE1008	Assessment Process in ECE	1
EDU188 EDU1088	Practicum I	1
HWE117 HWE1003	Mental Health First Aid	1
HWE103 HWE1001	Community First Aid and CPR	1

## Welding Fabricator

TOTAL CREDITS 29  
CIP# 480508 | BANNER# WEFI

### Program Requirements

Total Credits- 21

Course Number	Course Title	Credits
ENG131 ENG1031	Technical Writing I: GT-CO1	3
MAT107 MAT1140	Career Math: Program Emphasis	3
WEL100 WEL1000	Safety for Welders	1
WEL106 WEL1006	Blueprint Read-Welders/Fitters	4
WEL113 WEL1013	Oxyfuel and Plasma Cutting	2
WEL114 WEL1014	Oxyacetylene Welding	2
WEL116 WEL1016	SMAW Flat & Horizontal	2
WEL126 WEL1026	GMAW (MIG) Steel I	2
WEL164 WEL1064	GTAW Steel I	2

### Program Requirements

Total Credits- 8

#### GMAW & FCAW Option

Course Number	Course Title	Credits
WEL226 WEL2026	GMAW (MIG) Steel II	2
WEL227 WEL2027	GMAW Stainless & Aluminum	2
WEL252 WEL2052	FCAW Flat & Vertical	2
WEL253 WEL2053	FCAW Horizontal & Overhead	2

### Program Requirements

Total Credits- 8

### SMAW & PIPE Option

Course Number	Course Title	Credits
WEL117 WEL1017	SMAW Vertical	2
WEL118 WEL1018	SMAW Overhead	2
WEL216 WEL2016	SMAW Pipe I	2
WEL217 WEL2017	SMAW Pipe II	2

### Program Requirements

Total Credits- **6**

### GTAW Option

Course Number	Course Title	Credits
WEL260 WEL2060	GTAW Stainless & Aluminum I	2
WEL261 WEL2061	GTAW Stainless & Aluminum II	2
WEL165 WEL1065	GTAW (TIG) Steel II	2

### Program Requirements

Total Credits- **8**

### Fabrication & Metallurgy Option

Course Number	Course Title	Credits
WEL251 WEL2051	Design, Layout and Fabrication	4
WEL263 WEL2063	Applied Metal Properties	4

## Wind Technician

TOTAL CREDITS **42**

CIP# 150499 | BANNER# WET9

The renewable energy field is a fast growing and sustainable industry. Eastern Colorado is host to the fastest growing renewable power generation technology-wind turbines. The Wind Energy Technician program is designed to prepare students for energy level positions in the power generation and related industries. Students will have the opportunity to build, troubleshoot, and repair combined electrical-mechanical-hydraulic systems that are found in wind turbines, but these same systems are also found in most industrial facilities that have automated equipment such as advanced manufacturing, building controls, and food processing. There is a strong emphasis on safety throughout the program. The student will learn how to identify hazards in the work environment and take steps to eliminate or reduce the risk that exists. Wind Technicians typically work with heavy motors and gear drives in confined spaces, electrical systems up to 690 VAC, and automated electrical control systems in the heat of the summer or cold of the winter while working at heights approaching 300 feet. Most technicians are required to work with limited supervision so a strong work ethic and technical competence are highly sought qualities of entry-level employees in the wind industry.

### Essential Functions

- Must be able to work outdoors in inclement weather, climb ladders without assistance, and work at heights greater than 80 meters (250 feet).
- While performing the duties of this job the employee is regularly required to stand, use hands, reach with hands and arms, and hear.
- The employee is frequently required to stoop, kneel, crouch, or crawl. The employee is occasionally required to walk, sit, talk, smell, and lift and/or move up to 50 to 100 pounds.

- Specific vision abilities required by this job include close vision, distance vision, depth perception, and the ability to adjust focus. The employee must be able to distinguish colors.
- Employees must meet specific weight requirements dictated by required safety equipment and weigh less than 250 to 310 pounds when fully equipped with tools and safety gear.
- Employees must possess a valid driver's license, a clean driving record, and proof of insurance coverage.
- Employees must be able to follow written and spoken work instructions and procedures in English.

The certificate is part of the Industrial Automation Associate of Applied Science degree with additional course work. The additional training prepares students for careers in industries that range from automated bakeries to advanced manufacturing with jobs that range from Quality Control Technician, Industrial Electrician, or PLC Technician.

Graduates of the Wind Energy Technician program are prepared for employment with wind farm developers, owners, wind turbine manufacturers, warranty service companies, and other specialty support companies.

### Program Requirements

Total Credits- **9**

Course Number	Course Title	Credits
MAT107 MAT1140	Career Math: Program Emphasis	3
ENG115 ENG1015	Technical English & Communication	3
CIS118 CIS1018	Introduction to PC Applications	3

### Program Requirements

Total Credits- **30**

Course Number	Course Title	Credits
EIC101 EIC1101	Job Training and Safety	3
MIL101 MIL1001	Lifting Devices	1
IMA100 IMA1700	Introduction to Industrial Maintenance	3
IMA120 IMA1500	Industrial Rotating Equipment	3
IMA160 IMA1400	Basic Fluid Power	3
ELT106 ELT206	Fundamentals of DC/AC	4
ELT252 ELT2252	Motors & Controls	3
WTG110 WTG1010	Wind Turbine Generator Power & Control Systems	3
WTG220 WTG2620	Wind Turbine Generator Troubleshooting & Repair	4
WTG289 WTG2089	Wind Technician Capstone	2
HWE103 HWE1001	Community First Aid and CPR	1

**Electives**Total Credits- **3**

Course Number	Course Title	Credits
Choose one of the following courses, 3 credits minimum.		
EMS115 EMS1015	Emergency Medical Responder	3

MAN226 MAN2026	Principles of Management	3
WEL 113 WEL 1013	Oxyfuel and Plasma Cutting	2

## Course Descriptions

<b>ACADEMIC ACHIEVEMENT</b>			
Course Number	Credits	GT Code	Description
AAA072 AAA0072	1		Examines theories and practices associated with successful learning to enhance college success. Areas of study include education and career planning, effective communication, personal management, critical and creative thinking, development of community and awareness of diversity, leadership, and techniques for successful academic performance, as well as career exploration in the area of nursing and what you need to know to prepare yourself for a nursing program. (Contact hours-15) (1-0)
AAA075 AAA0075	1		This course enhances skill development of <a href="#">MAT0250</a> (MAT050) objectives including problem solving skills, study skills, and test taking strategies. Prerequisite: This course has math <a href="#">placement requirements</a> . Paired with <a href="#">MAT0250</a> (MAT050). (Contact hours-16) (1-0)
AAA076 AAA0076	2		This course enhances skill development of <a href="#">MAT0300</a> (MAT055) objectives including problem solving skills, study skills, and test taking strategies. Prerequisite: This course has math <a href="#">placement requirements</a> . Paired with <a href="#">MAT0300</a> (MAT055). (Contact hours-16) (0-0-2)
AAA077 AAA0077	1		Exploration of current topics, issues, and activities related to one or more aspects of the named discipline. Prerequisite: This course has math placement requirements. Paired with MAT1100 (MAT102). (Contact hours-16) (1-0-1)
AAA178 AAA1078	0.5		Provides students with an experiential learning opportunity. Guides the student through exploring career options, setting meaningful academic and career goals, developing positive interpersonal communication skills, and building a skill base of academic strategies that lead to being a successful college student. (.5-0)

<b>AGRICULTURE BUSINESS MANAGEMENT</b>			
Course Number	Credits	GT Code	Description
ABM103 ABM1003	3		Examines the options available to set up a computerized record keeping system for an agricultural business. Focus is on the selection of a computer software package for the agricultural business. Computer terminology associated with a computerized record keeping system and importance of business planning will be discussed. (Contact hours-54.2) (5-7.5-41.7)
ABM104 ABM1004	3		Identifies the proper setup and implementation of accounting software for an agricultural business. A chart of accounts and beginning balance sheet will be created for a computerized record keeping system. Data entry methods for the accounting software and identification of business plan components specific to student needs will be discussed. (Contact hours-54.2) (5-7.5-41.7)
ABM105 ABM1005	3		Examines cash and accrual accounting concepts and basic financial statements created for an agricultural business plan. (Contact hours-54.2) (5-7.5-41.7)
ABM106 ABM1006	3		Determines the proper processes to maintain an accurate record keeping system for an agricultural business. (Contact hours-54.2) (5-7.5-41.7)
ABM107 ABM1007	3		Examines how to create financial business reports from an accounting system for an agricultural business and utilize decision aid tools pertinent to the student's need. (Contact hours-54.2) (5-7.5-41.7)
ABM108 ABM1008	3		Explains how to utilize a computerized accounting record keeping system to generate accurate financial records for an agricultural business. (Contact hours-54.2) (5-7.5-41.7)
ABM113 ABM1013	3		Examines the purpose of enterprise analysis. Identification of accounting data used in enterprise analysis, enterprises features of an accounting system, and the need for additional enterprise software will be addressed. (Contact hours-54.2) (5-7.5-41.7)
ABM114 ABM1014	3		Examines breakeven figures for business enterprises. This course will cover the calculation process for determining production figures for enterprises as well as refining an established accounting system to generate enterprise data accurately. (Contact hours-54.2) (5-7.5-41.7)
ABM115 ABM1015	3		Develop a cash flow and enterprise budgets. Student will learn cash flow concepts and the relationship to enterprise budgets. Use of data from an accounting system as well as other decision aid tools will be used in the cash flow and enterprise budget development. (Contact hours-54.2) (5-7.5-41.7)
ABM116 ABM1016	3		Develop a cost and market value accrual balance sheet. This course focuses on the development of cost and marketing value balance sheets. Accrual features of an established accounting system will be analyzed in determining data that can be generated and utilized in the development of this financial statement. (Contact hours-54.2) (5-7.5-41.7)

## AGRICULTURE BUSINESS MANAGEMENT

Course Number	Credits	GT Code	Description
ABM117 ABM1017	3		Develop an accrual income statement. This course will focus on the development of an accrual income statement and examine this financial statement relevancy. Data from an established accounting system to use in the development will be identified. (Contact hours-54.2) (5-7.5-41.7)
ABM118 ABM1018	3		Determine financial health of a business with the use of industry financial ratios. This course focuses on industry ratio used in determining the financial health of a business. Types of ratios as well as their calculations will be discussed. Comparisons of financial statements from an accounting system will be utilized. (Contact hours-54.2) (5-7.5-41.7)
ABM123 ABM1023	3		Determine marketing strategies for agriculture commodities. Discussion will include identifying marketing information sources and defining marketing terminology. The students will also examine ways they can use current and forward marketing strategies in their operation. Course will also focus on enterprise identification and refinement of software enterprise features for production data. (Contact hours-54.2) (5-7.5-41.7)
ABM124 ABM1024	3		Identify the function of basis in market price discovery, how to calculate margin account futures activity, and how to utilize option contracts in mitigating market risks. Investigation of software applications to further the calculations for production costs will be addressed. (Contact hours-54.2) (5-7.5-41.7)
ABM125 ABM1025	3		Utilizes enterprise production data and its impact on cash flow to determine marketing strategies. (Contact hours-54.2) (5-7.5-41.7)
ABM126 ABM1026	3		Analyzes price behavior using both technical and fundamental analysis. A marketing plan will be developed using calculated production costs and marketing strategies. (Contact hours-54.2) (5-7.5-41.7)
ABM127 ABM1027	3		Covers evaluations and revisions of a marketing plan using actual production costs, local marketing alternatives, futures and option contracts, and technical analysis. Utilization of the plan will be determined. (Contact hours-54.2) (5-7.5-41.7)
ABM128 ABM1028	3		Covers evaluation and refining of cost of production for all enterprises to select marketing strategies. Utilize these calculations in developing and implement a production data base. (Contact hours-54.2) (5-7.5-41.7)
ABM163 ABM1063	3		Covers the use of marketing research to analyze the initial steps in developing a marketing plan. The focus will be on product and service component of the market plan. Data trends for products and services from an accounting system will be utilized in the analysis process. (Contact hours-54.2) (5-7.5-41.7)
ABM164 ABM1064	3		Covers development of a customer and competitive analysis for a market plan. Research on market potential and target areas will be included. (Contact hours-54.2) (5-7.5-41.7)
ABM165 ABM1065	3		Develops a pricing strategy for a marketing plan. Development of a pricing strategy will include price/quality relationships, sales methods, and ways to add value to products/services. Data from an inventory system as well as sales and expenses for products/services will be addressed. (Contact hours-54.2) (5-7.5-41.7)
ABM166 ABM1066	3		Develops a promotional strategy for a marketing plan. Development will include examining the business image, use of technology, and media. Promotional costs will be addressed. (Contact hours-54.2) (5-7.5-41.7)
ABM167 ABM1067	3		Interprets data needed for all components in a marketing plan. Identification of data collected for sections of the marketing plan will be analyzed. The need for additional decision aid tools will be examined. A historical trend analysis for sales and expenses for use in the marketing plan will be developed. (Contact hours-54.2) (5-7.5-41.7)
ABM168 ABM1068	3		Designs a marketing plan for the business. Overall marketing plan will be written with focus on how the plan differentiates from others. Cash flow ability will determine feasibility of the plan. (Contact hours-54.2) (5-7.5-41.7)
ABM213 ABM2013	3		Interprets in-depth financial analysis processes for the business. This will include advanced financial analysis terminology and financial statements. (Contact hours-54.2) (5-7.5-41.7)
ABM214 ABM2014	3		Analyzes existing financial trends and emphasis of pro forma activities for further analysis of the business. Utilization of accurate accrual records and historical data will provide the basis of the pro forma statement development as it currently operates. (Contact hours-54.2) (5-7.5-41.7)
ABM215 ABM2015	3		Identifies and examines alternative enterprise(s) for the business. This will include measuring the business performance past and present and assessing business goals. (Contact hours-54.2) (5-7.5-41.7)
ABM216 ABM2016	3		Evaluates and assesses revisions to the business plan. This will include a process for periodic review with a focus on strengthening of management skills. (Contact hours-54.2) (5-7.5-41.7)
ABM217 ABM2017	3		Identifies critical areas in the business and sources of business risk. Various methods of researching resource materials to keep business plan current will be addressed as well as identifying alternatives to minimize future risks. (Contact hours-54.2) (5-7.5-41.7)
ABM218 ABM2018	3		Changes business plan to include a risk management component which addresses the critical issues identified. (Contact hours-54.2) (5-7.5-41.7)
ABM233 ABM2033	3		Lists the major business organizational structures available to agribusiness operations and compare the advantages and disadvantages of each. Document the risk management and financial responsibilities of each. (Contact hours-54.2) (5-7.5-41.7)

## AGRICULTURE BUSINESS MANAGEMENT

Course Number	Credits	GT Code	Description
ABM234 ABM2034	3		Develops an understanding of basis agricultural business taxes and their preparation. Special emphasis will be placed on alternative rules for depreciating farm property. The student will also document the income tax implications of alternative business organizational structure. (Contact hours-54.2) (5-7.5-41.7)
ABM235 ABM2035	3		Compares the relationship between input levels and the corresponding output. Demonstrate how to calculate the production response from alternative levels of input allocation within an enterprise and among alternative enterprises. (Contact hours-54.2) (5-7.5-41.7)
ABM236 ABM2036	3		Defines basic economic concepts that enhance the financial success of an agriculture operation. (Contact hours-54.2) (5-7.5-41.7)
ABM237 ABM2037	3		Analyzes production costs and revenue from an economic standpoint. Identifies the production level that allows profits to be maximized. (Contact hours-54.2) (5-7.5-41.7)
ABM238 ABM2038	3		Examines the concepts that determines how market prices are established in a purely competitive agriculture environment. (Contact hours-54.2) (5-7.5-41.7)
ABM243 ABM2043	3		Rural Bus Entrepreneurship I - Identifies components of a business plan for a new business venture. This course centers on the collection of data necessary for the development. Notes: Course content and instruction is individualized to address the specific enterprise and business structure owned and/or operated by the ABM student. Assessment of this course will be based on the student project selected from the approved project list found in the State ABM Master Packer. (ABM courses are subject to CCCS statewide policy as stated in the master packet regarding credit hours, contact hours, competencies, certificates, and required documentation). Contact State Program Director for Agriculture. (5-7.5-41.7)
ABM244 ABM2044	3		Rural Bus Entrepreneurship II - Develops a customer analysis component for a new venture business plan and analyzes the product/service component. Focuses on the customer analysis component including target customers and customer profiles. Customer wants and needs will be listed and compared with the product/service component. Notes: Course content and instruction is individualized to address the specific enterprise and business structure owned and/or operated by the ABM student. Assessment of this course will be based on the student project selected from the approved project list found in the State ABM Master Packer. (ABM courses are subject to CCCS statewide policy as stated in the master packet regarding credit hours, contact hours, competencies, certificates, and required documentation). Contact State Program Director for Agriculture. (Contact hours-54.2) (5-7.5-41.7)
ABM245 ABM2045	3		Rural Bus Entrepreneurship III - Identifies target markets and develop a competition analysis for a new business venture. Focuses on identifying target markets and the potential, as well as the development of the competition analysis component of the new venture business plan. Notes: Course content and instruction is individualized to address the specific enterprise and business structure owned and/or operated by the ABM student. Assessment of this course will be based on the student project selected from the approved project list found in the State ABM Master Packer. (ABM courses are subject to CCCS statewide policy as stated in the master packet regarding credit hours, contact hours, competencies, certificates, and required documentation). Contact State Program Director for Agriculture. (Contact hours-54.2) (5-7.5-41.7)
ABM246 ABM2046	3		Rural Bus Entrepreneurship IV - Identifies the enterprises for a new business venture and the financial statements needed for the development of the financial section. Notes: Course content and instruction is individualized to address the specific enterprise and business structure owned and/or operated by the ABM student. Assessment of this course will be based on the student project selected from the approved project list found in the State ABM Master Packer. (ABM courses are subject to CCCS statewide policy as stated in the master packet regarding credit hours, contact hours, competencies, certificates, and required documentation). Contact State Program Director for Agriculture. (Contact hours-54.2) (5-7.5-41.7)
ABM247 ABM2047	3		Rural Bus Entrepreneurship V- Develops sale and expense forecasts for the creation of a new venture business plan. Notes: Course content and instruction is individualized to address the specific enterprise and business structure owned and/or operated by the ABM student. Assessment of this course will be based on the student project selected from the approved project list found in the State ABM Master Packer. (ABM courses are subject to CCCS statewide policy as stated in the master packet regarding credit hours, contact hours, competencies, certificates, and required documentation). Contact State Program Director for Agriculture. (Contact hours-54.2) (5-7.5-41.7)
ABM248 ABM2048	3		Rural Bus Entrepreneurship VI- Identifies startup costs and develops a cash flow for a new business venture. Focuses on the development of a cash flow and evaluation of financial statements. Financial statement evaluation will point to financing needs and identification of business venture risks. Notes: Course content and instruction is individualized to address the specific enterprise and business structure owned and/or operated by the ABM student. Assessment of this course will be based on the student project selected from the approved project list found in the State ABM Master Packer. (ABM courses are subject to CCCS statewide policy as stated in the master packet regarding credit hours, contact hours,



## AGRICULTURE BUSINESS MANAGEMENT

Course Number	Credits	GT Code	Description
			competencies, certificates, and required documentation). Contact State Program Director for Agriculture. (Contact hours-54.2) (5-7.5-41.7)
ABM275 ABM2075	0.5-6		This course provides the student with continued in depth analysis of their business. It allows for the student to keep up with rapidly changing technology available to the industry. Prerequisite: instructor approval.

## ACCOUNTING

Course Number	Credits	GT Code	Description
ACC101 ACC1001	3		Introduces accounting fundamentals with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting. (Contact hours-45) (3-0)
ACC111 ACC1011	3		Focuses on financial accounting concepts prescribed by Generally Accepted Accounting Principles (GAAP), including financial information for external partners, the accounting cycle process, basic terminology, transaction analysis, internal control systems, and financial statement preparation and analysis. (Contact hours - 45) (3-0)
ACC112 ACC1012	3		Focuses on the fundamentals of managerial accounting and cost management as tools to aid internal users' decision-making processes. This course covers basic managerial accounting concepts, such as product costing and cost behavior and control. It also covers internal management decision making tools, including cost-volume-profit analysis, budgeting, cost analysis, and planning and control systems. (Contact hours - 45) (3-0)
ACC115 ACC1015	3		Covers federal and state employment laws and their effects on personnel and payroll records. The course is non-technical and is intended to give students a practical working knowledge of the current payroll laws and actual experience in applying regulations, including computerized payroll procedures. Prerequisite: <a href="#">ACC1001</a> or <a href="#">ACC1021</a> (ACC101 or ACC121) ("C" or better) (Contact hours-45) (3-0)
ACC121 ACC1021	4		This course introduces the study of accounting principles for understanding of the theory and logic that underlie procedures and practices. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, plant assets and intangible asset accounting. (Contact hours-60) (4-0)
ACC122 ACC1022	4		This course continues the application of accounting principles to business organizations. Major topics include corporate equity and debt financing, investments, cash flow statements, financial analysis, budgeting, cost and managerial accounting. Prerequisite: <a href="#">ACC1021</a> (ACC121) or equivalent ("C" or better.) (Contact hours-60) (4-0)
ACC132 ACC1032	2		This course prepares the students for preparation of federal and state income tax returns for individuals. Emphasis is placed on form preparation with the use of tax software. (Contact hours-30) (2-0)
ACC133 ACC1033	1		Utilizes income tax knowledge and training in the context of a community service setting. Volunteers prepare individual federal and state income tax within the parameters of the Tax Help Colorado program and Internal Revenue Service (IRS) guidelines. Prerequisite: <a href="#">ACC1032</a> (ACC132) ("C" or better) (Contact hours-25) (0-1)
ACC235 ACC2035	3		Introduces an electronic accounting application for use in a small business. This course will focus on installing and launching the application, converting a manual accounting system to an electronic system, recording daily transactions, and summarizing records in reports for a complete financial picture. (Contact hours-45) (3-0)

## AGRI-BUSINESS

Course Number	Credits	GT Code	Description
AGB120 AGB1020	3		Principles and techniques of agricultural sales as applied to goods and services being sold to individual producers or agricultural businesses. Emphasis will be placed on building business relationships and product training. (Contact hours-45) (3-0)
AGB180 AGB1080	8		As an employee in the agri-business industry, the student will receive practical training on the job. The student will gain experience in various phases of the business through performing the functions and duties assigned by their employer. (Contact hours-320 or 40 hours = 1 credit)
AGB218 AGB2018	3		Provides hands-on experience with a detailed computerized accounting system. The activities will lead students through entering transactions that develop the financial statements. Time will be provided for exploration with different accounting software. (Contact hours-45) (3-0)
AGB228 AGB2028	3		Provides the student with basic management principles and practical experience in applying principles of economics, business, marketing, and finance to the management of an agri-business operation. (Contact hours-53) (2-1.5)
AGB275 AGB2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (1 to 6-0)

<b>AGRI-BUSINESS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
AGB280 AGB2080	0.25-10		Upon successful completion of a first agri–business internship <a href="#">AGB1080</a> (AGB180), the student may enroll in this second internship to gain additional experience in an agri–business field. (Contact hours-10 to 400 or 40 hours = 1 credit)
AGB285 AGB2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
AGB289 AGB2089	1		Covers information necessary for employment and for developing job search skills. Students will receive instruction in writing resumes and cover letters, filling out job applications, and developing interviewing skills. Prerequisite: Sophomore agri-business student. (Contact hours-15) (1-0)

<b>AGRICULTURAL ECONOMICS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
AGE175 AGE1075	1-6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
AGE205 AGE2105	3		Students will gain practical experience in applying principles of economics, marketing, and finance to the management of an agricultural operation. Students will create their own sample farm or ranch and emphasis will be placed on utilizing computer technology for budgeting and financial planning. Prerequisite: <a href="#">CIS1018</a> (CIS118) (Ag emphasis preferred) (“C” or better) or instructor approval. (Contact hours-60) (2-2)
AGE208 AGE2108	3		An introductory course in principles of finance and their application to agriculture and agri–business, including the time value of money, net present value analysis, interest, credit, lending institutions, financial statements, and financial ratios. Prerequisite: <a href="#">AGE1102</a> (AGE102) (“C” or better) (Contact hours-45) (3-0)
AGE210 AGE2110	3		An applied study of the agricultural marketing system and methods of marketing crops and livestock. Emphasis will be placed on hedging with futures and options. (Contact hours-45) (3-0)
AGE285 AGE2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

<b>PRODUCTION AGRICULTURE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
AGP110 AGP1010	1-3		Identification and control of economically important weeds, insects and diseases through systems approach management concepts including cultivation, chemical and biological control mechanisms. (Contact hours-60) (1-2)
AGP145 AGP1045	2		Offered in cooperation with Colorado State University and will cover management of the cow and calf at calving. Topics to be covered include the process of parturition, dystocia, identifying approaching parturition, assisting with dystocia, and care of the newborn calf. Emphasis is on practical “hands–on” experience. Students will be responsible for transportation to the Eastern Colorado Resource Center (E.C.R.C.) south of Sterling. Students will assist with night and weekend calving at the E.C.R.C. (Contact hours-38) (1-1.5)
AGP146 AGP1046	2		Provides a study of applied fundamentals of anatomy and reproduction as they pertain to artificial insemination. Handling frozen semen, heat detection and nutritional management for A.I. are emphasized. Individualized training is given in developing and perfecting insemination techniques in live cattle. (Contact hours-38) (1-1.5)
AGP147 AGP1047	2		Studies the fundamentals of cattle reproduction. Principles covered include: nutrition, breeding, system management, physiology of the reproductive tract, hormone function, fertilization, stages of pregnancy, and overall reproductive management of the cow herd. Emphasizes economic decision making and practical experience. Covers practical applications in reproductive management that may include: reproductive tract scoring, pelvic measuring, body condition scoring, artificial insemination and palpating cows. (Contact hours-30) (2-0)
AGP148 AGP1048	1		Development of skills necessary for reproductive management of cattle in Beef/Dairy operations. Covers the practical application of reproductive management techniques and practices utilized in the cattle industry. (Contact hours-22.5) (0-1.5)
AGP160 AGP1060	2		An introduction to the skills utilized in ranching operations where horses are involved in moving, sorting, and restraining cattle. Emphasis is placed on safety, proper techniques and in developing proficiency in equipment selection and care, basic horsemanship, riding, and roping. (Contact hours-45) (0-2)
AGP175 AGP1075	.25-10		Provides students with a vehicle to pursue in-depth exploration of special topics of interest
AGP180 AGP1080	8		Student will be employed in a production agriculture setting. This work experience must cover a minimum of 320 hours with the student being involved in all facets of the operation. Guidance and supervision will be the responsibility of the supervising employer and Coordinator of Production Agriculture. Emphasis will be placed on records, managerial decisions, and production agriculture skills. (Contact hours-320, 40 hours = 1 credit)

## PRODUCTION AGRICULTURE

Course Number	Credits	GT Code	Description
AGP204 AGP2004	4		Soil fertility and plant nutrition in crop production, soil-plant relations, diagnostic techniques, and methods of evaluating soil fertility are emphasized. Also included are composition, manufacture, marketing, and use of fertilizer materials and their reactions with soils and plants. Corequisite: <a href="#">AGY2140</a> (AGY240) ("C" or better) OR instructor approval. (Contact hours-68) (3-1.5)
AGP208 AGP2008	3		Study of the requirements for the qualified supervisor license as outlined in the training manuals published by the Colorado Department of Agriculture. Students may elect to take the certified operator tests if they do not meet the experience qualifications for the qualified supervisors license. Areas studied will be for the general, weeds, agricultural insect, plant disease, and industrial right-of-way tests administered by the Colorado Department of Agriculture. Students may elect to take any of the other tests available. (Contact hours-45) (3-0)
AGP215 AGP2015	3		Introduced to methods of prevention, recognition, and treatment of common livestock diseases. Emphasis is placed on understanding the conditions which are normal, what steps the layman should attempt independently, and when to seek professional help. (Contact hours -53) (2-1.5)
AGP241 AGP2041	3		Provides training in management pertaining to the economics of a commercial cow-calf operation. Topics included are reproduction, feeding, herd health, selection, record keeping, financial management, and marketing. (Contact hours-53) (2-1.5)
AGP247 AGP2047	3		Provides training in cattle pertaining to the economics of a commercial cow-calf operation. Topics included are reproduction, feeding, herd health, selection, record keeping, financial cattle, and marketing. (Contact hours-53) (2-1.5)
AGP275 AGP2075	1 to 6		Provides students with a vehicle to pursue exploration of special topics of interest.
AGP280 AGP2080	8		Students are employed or work at home on a production agriculture operation. The work experience must cover a minimum of 320 hours with the student involved in all facets of this operation. May be waived if the student exhibits substantial knowledge and understanding of production agriculture in the first term and through written documentation of work experience at the time of waiver application. (Contact hours-10 to 480, 4 hours= 1 credit)
AGP285 AGP2085	.25-10		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
AGP289 AGP2089	1		Issues concerning transition into the family agriculture operation will be discussed. As a part of the course a seminar will be open to both students and parents (or future business partners) concerning issues of transition of the agricultural operation to the next generation. Topics concerning completion of the A.A.S. degree will also be addressed. (Contact hours-15) (1-0)

## AGRICULTURE

Course Number	Credits	GT Code	Description
AGR171 AGR1971	2		Allows the student-athletes an opportunity to participate in a competitive varsity sports program as dictated by the National Intercollegiate Rodeo Association (NIRA). (Contact hours-100 to 140)
AGR172 AGR1972	2		Allows the student-athletes an opportunity to participate in a competitive varsity sports program as dictated by the National Intercollegiate Rodeo Association (NIRA). (Contact hours-100 to 140)
AGR173 AGR1973	2		Allows the student-athletes an opportunity to participate in a competitive varsity sports program as dictated by the National Intercollegiate Rodeo Association (NIRA). (Contact hours-100 to 140)
AGR174 AGR1974	2		Allows the student-athletes an opportunity to participate in a competitive varsity sports program as dictated by the National Intercollegiate Rodeo Association (NIRA). (Contact hours-100 to 140)
AGR175 AGR1075	1 to 6		Designed to instruct the student in various topics in agriculture. The student will experience different aspects of the agricultural industry. (Contact hours-15 to 90)
AGR235 AGR2035	3		Introduces various methods in precision navigation of agricultural equipment utilizing Global Positioning Systems (GPS) and other support networks. Focus is placed on working with control consoles, equipment, GIS data integration, field planning, zone management, and variable rate applications. Attention is also given to differential correction systems, error sources, environmental variables, and precision accuracy. (Contact hours-53) (2-1.5)
AGR236 AGR2036	3		Focuses on the installation, operation, and troubleshooting of precision farming hardware components. Proper installation, operation, and troubleshooting of displays, GPS equipment, variable rate controllers, and other components used within precision agriculture applications are covered. (Contact hours-53) (2-1.5)
AGR260 AGR2160	3	<a href="#">GT-SS3</a>	Covers the study of world population and food production and distribution. Problems and opportunities concerning population and food are discussed in a global context. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)

## AGRICULTURE

Course Number	Credits	GT Code	Description
AGR270 AGR2970	2		Allows the student-athletes an opportunity to participate in a competitive varsity sports program as dictated by the National Intercollegiate Rodeo Association (NIRA). (Contact hours-100 to 140)
AGR271 AGR2971	2		Allows the student-athletes an opportunity to participate in a competitive varsity sports program as dictated by the National Intercollegiate Rodeo Association (NIRA). (Contact hours-100 to 140)
AGR275 AGR2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)

## AGRONOMY

Course Number	Credits	GT Code	Description
AGY100 AGY1100	4		Production and adaptation of cultivated crops, with emphasis on crops grown in the western region of the United States. Principles affecting growth, development, production, and use will be covered. (Contact hours-75) (3-2)
AGY240 AGY2140	4	<a href="#">GT-SC1</a>	Focuses on formation, physical properties, chemical properties, and management of soils emphasizing conditions that affect plant growth. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisites: Any CHE Course or instructor approval. (Contact hours-75) (3-2)
AGY275 AGY2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)
AGY285 AGY2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

## AGRICULTURE MECHANICS

Course Number	Credits	GT Code	Description
AME107 AME1007	2		Designed to teach the theory of operation and the maintenance of small engines and related power equipment used on the farm. (Contact hours-45) (1-2)
AME118 AME1018	3		Includes safety, hand and power tool use, farm building planning and site location, concrete, farm building design and construction, and materials of construction. (Contact hours-75) (1-4)
AME125 AME1025	3		The safe operation, construction, purpose, maintenance, and adjustment of farm machinery are emphasized in this course. (Contact hours-60) (2-2)
AME151 AME1051	3		Designed to develop basic welding skills, principles, and practices in arc and oxy-acetylene welding. (Contact hours-75) (1-4)
AME275 AME2075	1 to 6		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
AME285 AME2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

## ANTHROPOLOGY

Course Number	Credits	GT Code	Description
ANT102 ANT1002	1	<a href="#">GT-SS3</a>	Studies the art and science of ethnographic research methods. This course analyzes classic ethnographies, conducts field research projects, writes model ethnographies and ethnologies, and addresses ethical debates and controversies. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-30) (0-2)
ANT103 ANT1004	1	<a href="#">GT-SS3</a>	Studies analytical methods in archaeological research including those employed in the field and in the laboratory. This course utilizes practical exercises to illustrate theoretical principles of archaeology, including methods of archaeological survey, excavation, artifact analysis, collection strategies, mapping strategies, and field interpretation. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-30) (0-2)
ANT1005	4	<a href="#">GT-SC1</a>	Focuses on the study of the human species and related organisms, and examines principles of genetics, evolution, anatomy, classification, and ecology, including a survey of human variation and adaptation, living primate biology and behavior, and primate and human fossil evolutionary history. This is a statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> .
ANT107 ANT1003	3	<a href="#">GT-SS3</a>	Introduces the science of recovering the human prehistoric and historic past through excavation, analysis, and interpretation of material remains. Includes a survey of the archaeology of different areas of the Old and New Worlds. Also includes the works of selected archaeologists and discussions of major archaeological theories. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
ANT111 ANT1005	4	<a href="#">GT-SC1</a>	Focuses on the study of the human species and related organisms, and examines principles of genetics, evolution, anatomy, classification, and ecology, including a survey of human variation and adaptation, living primate biology and behavior, and primate and

## ANTHROPOLOGY

Course Number	Credits	GT Code	Description
			human fossil revolutionary history. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . (Contact hours-75) (3-2)
ANT212 ANT2315	4	<a href="#">GT-SC1</a>	Studies the basic principles of forensic anthropology, an applied field within the discipline of physical anthropology. Includes the study of the human skeleton, practical application of physical anthropology and archaeology, and judicial procedure as they relate to the identification of human remains within a medico-legal context. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . (Contact hours-45) (3-0)
ANT215 ANT2115	3	<a href="#">GT-SS3</a>	Studies the Indians of North America from the origins of native peoples in the New World, through the development of geographic culture areas, to European contact and subsequent contemporary Native American issues. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
ANT225 ANT2125	3	<a href="#">GT-SS3</a>	Explores the culturally universal phenomenon of religion including cross-cultural varieties of beliefs in the supernatural and the religious rituals people employ to interpret and control their worlds. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
ANT250 ANT2550	3	<a href="#">GT-SS3</a>	Studies the basic principles of medical anthropology, an applied field within the discipline of cultural anthropology, including the cross-cultural study of practices and beliefs regarding illness, health, death, prevention, therapy, and the interaction of the medical systems between Western and other cultures. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
ANT275 ANT2075	1 to 6		Provides opportunity for off-campus field experience or study of a special topic in anthropology. Field study may occur at archaeological sites, museums, host educational institutions, within ethnographic situations, or other anthropologically appropriate places. Study of a special topic may include that derived from physical anthropology, cultural anthropology, archaeology, or other anthropological discipline. (Contact hours-15 to 90)

## ART

Course Number	Credits	GT Code	Description
ART110 ART1110	3	<a href="#">GT-AH1</a>	Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
ART111 ART1111	3	<a href="#">GT-AH1</a>	Provides the knowledge base to understand the visual arts, especially as related to Western Culture. Surveys the visual arts from the Ancient through Medieval Periods. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
ART112 ART1112	3	<a href="#">GT-AH1</a>	Provides the knowledge base to understand the visual arts, especially as related to Western Culture. Surveys the visual arts from the Renaissance through the Modern Periods. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
ART115 ART1805	3		Develops a basic understanding and approach to stained glass. Students gain an understanding of and appreciation for the properties of glass and the nature of finished stained glass construction. (Contact hours-90) (0-6)
ART116 ART1806	3		A continuation of Stained Glass I, students advance to a clearer, but still basic understanding and approach to stained glass. Students gain a greater understanding of and appreciation for the properties of glass and the nature of finished stained glass construction. (Contact hours-90) (0-6)
ART121 ART1201	3		Investigates the various approaches and media that students need to develop drawing skills and visual perception. (Contact hours-90) (0-6)
ART124 ART1307	3		Provides an introduction to the basic techniques and unique aspects of materials involved in the use of either transparent or opaque water media or both. Color theory is included. (Contact hours-90) (0-6)
ART129 ART1501	3		Introduces the basic techniques and skills of printmaking as a fine art media. Instruction includes an understanding of visual concepts as they relate to prints. May include introduction to relief, intaglio, lithography, and screen printing techniques. (Contact hours-90) (0-6)
ART131 ART1002	3		Examines the basic elements of design, visual perception, and artistic form and composition as they relate to two-dimensional media. (Contact hours-90) (0-6)
ART132 ART1003	3		Focuses on learning to apply the elements and principles of design to three dimensional problems. (Contact hours-90) (0-6)
ART138 ART1402	3		Introduces black and white photography as a fine art medium and develops skills necessary for basic camera and lab operations. (Contact hours-60) (2-2)
ART139 ART1401	3		Introduces the basic concepts of digital imaging as applied to photography. Using applicable technology and hands on experience, modern developments are presented leading to the present applications of digital imaging, which combine traditional photographic ideas with electronic media. Enables the student to learn how to operate image manipulation software using a variety of scanning equipment, software tools, and output devices by executing new assignments and applying these technologies to their photographic process. (Contact hours-60) (2-2)

<b>ART</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
ART151 ART1301	3		Explores basic techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting to depict form and space on a two-dimensional surface. (Contact hours-90) (0-6)
ART161 ART1703	3		Introduces traditional and contemporary ceramic forms and processes including hand building and throwing on the potter's wheel. (Contact hours-90) (0-6)
ART165 ART1601	3		Introduces the fundamentals of sculpture such as modeling, casting, carving, and the processes of assemblage. (Contact hours-90) (0-6)
ART175 ART1075	1 to 6		Students in this class will be taught special, creative art form. (Contact hours-15 to 90)
ART185 ART1085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. (Contact hours-15 to 90)
ART207 ART1113	3	<a href="#">GT-AH1</a>	Provides students with the knowledge base to understand the visual arts as related to Modern and Contemporary visual art. Surveys world art of the twentieth century including Modernism to Post-Modernism. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
ART221 ART1202	3		Explores expressive drawing techniques with an emphasis on formal composition, color media, and content or thematic development. (Contact hours-90) (0-6)
ART222 ART2201	3		Offers a continued study of expressive drawing techniques and development of individual style with an emphasis on composition and technique variation. (Contact hours-90) (0-6)
ART223 ART2202	3		Explores advanced drawing problems with an emphasis on conceptual development and portfolio and/or exhibition quality presentation. (Contact hours-90) (0-6)
ART231 ART2002	3		Provides continued study of the principles and elements of two-dimensional design with an emphasis on visual communication for further application in fine art, commercial art, and/or applied arts. (Contact hours-90) (0-6)
ART232 ART2003	3		Provides continued study of the principles and elements of three dimensional design with an emphasis on visual communication for further application in fine art, commercial art, and/or applied arts. (Contact hours-90) (0-6)
ART251 ART1302	3		Explores advanced drawing problems with an emphasis on conceptual development and portfolio and/or exhibition quality presentation. (Contact hours-90) (0-6)
ART252 ART2301	3		Provides continued exploration of techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting, with emphasis on composition and content development. (Contact hours-90) (0-6)
ART253 ART2302	3		Explores advanced techniques, materials, and concepts used in opaque painting processes with emphasis on the development of themes and a cohesive body of work. (Contact hours-90) (0-6)
ART261 ART1704	3		Continuation of <a href="#">ART1703</a> (ART161), this course emphasizes skill, technique, and form. (Contact hours-90) Prerequisite: <a href="#">ART1703</a> (ART161) ("C" or better) OR instructor approval. (0-6)
ART275 ART2075	1 to 6		Provides the student with a vehicle to pursue in-depth exploration of special topics of interest.

<b>ANIMAL SCIENCE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
ASC101 ASC1101	1		Focuses on practical and laboratory applications of the fundamentals of livestock production and animal science. (Contact hours-30) (0-2)
ASC102 ASC1102	4		This course covers the basics of the equine industry, breeds, selection, form to function, care and management, soundness, health, reproduction, feeding, facilities, physiology, production systems, and management systems. (Contact hours-75) (3-2)
ASC105 ASC1105	1		Introduction to basic gross anatomy of livestock and large animals used in agriculture. (Contact hours-30) (0-2)
ASC115 ASC1015	1		Designed to explore principles and economic value of traits considered in meat animal selection. In addition, emphasis will be placed on terminology used in describing meat animal conformation. It will provide experience to the student in correctly evaluating meat animal classes and defending their evaluation with oral reasons using industry acceptable terminology. (Contact hours-30) (0-2)
ASC143 ASC1043	2		Provides the student with an introduction to basic safe handling and riding of the Western horse. (Contact hours-60) (0-4)
ASC175 ASC1075	.25-10		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
ASC215 ASC2015	2		Emphasizes comparative selection, grading, and judging of market and breeding classes of livestock based on knowledge of phenotype, performance, information, and/or carcass merit. (Contact hours-60) (0-4)
ASC225 ASC2125	4		A study of the basic nutrients, common feeds, and feed additives fed to livestock, anatomy of digestive systems, and basic feeding practices for beef, sheep, swine, horses, and dairy. The lab portion of this class will be devoted to calculating and balancing rations to fulfill nutrient requirements for farm animals for growth, finishing, reproduction and

<b>ANIMAL SCIENCE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
			lactation, and work. Prerequisite: <a href="#">ASC1100</a> (ASC100) ("C" or better) (Contact hours-75) (3-2)
ASC230 ASC2130	3		Introduces students to the basic concepts of farm animal anatomy and physiology with emphasis on concepts relating to nutrition, reproduction, Immunology, and growth of the basic farm species. Anatomy and Physiology is taught in the context of applying basic principles to production practices in the industry including reproductive management, livestock nutrition management, and animal health practices. Prerequisites: <a href="#">BIO1111</a> (BIO111) and <a href="#">ASC1100</a> (ASC100) ("C" or better) OR instructor approval. (Contact hours-45) (3-0)
ASC243 ASC2043	2		Provides the student basic to intermediate horsemanship and maneuvers, improved body position, and advanced control. Prerequisites: <a href="#">ASC1043</a> (ASC143) ("C" or better) OR instructor approval. (Contact hours-60) (0-4)
ASC245 ASC2045	3		Focuses on a system of development for evaluating a horse's conformation and its relationship to performance. Covers various aspects of evaluating horses while enhancing the student's deductive reasoning and public speaking skills. (Contact hours-45) (3-0)
ASC250 ASC2150	3		Explores meat animal carcass evaluation and the related yield and quality grading system. Selection of breeding stock based on performance data will also be emphasized. Prerequisite: <a href="#">ASC1100</a> (ASC100) ("C" or better) (Contact hours-45) (3-0)
ASC275 ASC2075	.25-10		Provides students with a vehicle to pursue in-depth exploration of special topics of interest.
ASC276 ASC2076	.25-10		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
ASC285 ASC2085	.25-10		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.
ASC288 ASC2188	2		Provides experiential learning with beef cattle, dairy cattle, swine, and sheep. (Contact hours-45) (1-2)

<b>AUTO SERVICE TECHNOLOGY</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
ASE101 ASE1001	2		Covers safety instruction in the shop and on the automobile. Emphasis on the proper use and care of test equipment, precision measuring and machining equipment, gaskets, adhesives, tubing, wiring, jacks, presses, and cleaning equipment and techniques. (Contact hours-45) (1-2)
ASE103 ASE1003	2		Covers the basics of how various systems on the automobile operate, maintenance requirements, and financial concerns related to operating and maintaining an automobile. (Contact hours-45) (1-2)
ASE110 ASE1010	2		Introduces the basic theory of automotive braking systems including operation, diagnosis, basic repair of disc and drum friction assemblies, and basic hydraulic braking systems. This course meets MLR/AST/MAST program accreditation requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE111 ASE1011	2		Covers diagnostics, test procedures, and repair to automotive foundation braking system. This course also introduces the components, types of Antilock Braking Systems (ABS), and traction control systems of current vehicles. This course meets MLR/AST/MAST program accreditation requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE120 ASE1020	2		Introduces vehicle electricity, basic electrical theory, circuit designs, and wiring methods. This course focuses on multimeter usage and wiring diagrams. This course meets MLR/AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE122 ASE1022	1		Covers the operation of electrical systems including vehicles safety concerns of vehicle lighting systems, Supplemental Inflatable Restraints (SIR), windshield wipers, driver warning systems, and vehicle accessories. This course meets MLR/AST/MAST program requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-22.5) (0.5-1)
ASE123 ASE1023	2		Covers the operation and theory of a vehicle battery, testing, service, and repair of starting and charging systems including voltage testing, draw testing. This course meets MLR/AST/MAST program requirements. Prerequisites: <a href="#">ASE1001</a> & <a href="#">ASE1020</a> (ASE101 & ASE120) ("C" or better) (Contact hours-45) (1-2)
ASE130 ASE1030	2		Covers how to perform basic engine diagnosis to determine condition of engine including engine support systems. This course meets MLR/AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE134 ASE1034	2		Focuses on the diagnosis and repair of automotive fuel emission control systems, filter systems, and spark plugs. This course also includes maintenance to Diesel Exhaust Fluid (DEF) systems. Prerequisites: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE140 ASE1040	2		Focuses on diagnosis and service of suspension and steering systems and components. This course meets MLR/AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)

## AUTO SERVICE TECHNOLOGY

Course Number	Credits	GT Code	Description
ASE141 ASE1041	2		Covers design, diagnosis, inspection, service of suspension, and steering systems used on light trucks and automobiles including power steering and Supplemental Restraint System (SRS) service. This course meets AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE150 ASE1050	2		Covers the operating principles and repair procedures relating to axle-shafts, propeller shafts, and universal joints. This course meets MLR/AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE151 ASE1051	2		Focuses on the diagnosis and repair of automotive manual transmissions, transaxles, clutches, and related components. This course meets AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE160 ASE1060	2		Focuses on the service of cylinder head, valve-train components, and cooling system components including engine removal, re-installation, and re-mounting systems. This course meets MLR/AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE162 ASE1062	2		Covers engine sealing requirements and repair procedures including engine fasteners, bolt torque, repair of fasteners, cooling system, and basic engine maintenance. This course meets AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE165 ASE1065	2		Focuses on the machining processes used to repair or build the automotive engine, using up-to-date machines and equipment to recondition connecting rods, engine blocks, cylinder heads, valves, flywheels, crankshafts, pistons, and also including brake drum and rotor service. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE175 ASE1075	2		Exploration of current topics, issues, and activities related to one or more aspects of the named discipline. (Contact hours-45) (1-2)
ASE191 ASE1091	4		Focuses on the disassembly, diagnosis, and reassembly of the automotive engine including the diagnostic and repair procedures for the engine block and cylinder head assemblies. This course meets MAST requirements. (Contact hours-90) (1-5)
ASE192 ASE1092	3		Focuses on the diagnosis and repair of automotive differentials, four wheel drive units, and all-wheel drive units. This course meets MAST requirements. (Contact hours-67.5) (1-3.5)
ASE210 ASE2010	2		Covers the operation and theory of the modern automotive braking systems including the operation, diagnosis, service, and repair of the anti-lock braking systems and power assist units. This course also covers the machining operations of today's automobile brake systems. This course meets AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) (Contact hours-45) (1-2)
ASE220 ASE2020	2		Provides a systematic approach to automotive electrical and electronic systems. This course applies electrical principles to semiconductors and microprocessors commonly found in automobiles and covers diagnostic procedures that have applications to present and future automotive electronics and electrical systems. Prerequisites: <a href="#">ASE1001</a> & <a href="#">ASE1020</a> (ASE101 & ASE120) ("C" or better) (Contact hours-45) (1-2)
ASE235 ASE2035	2		Focuses on diagnostic techniques and the use of diagnostic scan tools, oscilloscopes, lab scopes, multi-meters, and gas analyzers. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE250 ASE2050	1		Focuses on practical methods of maintaining, servicing, and performing minor adjustments on an automatic transmission and transaxle. This course meets MLR/AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-22.5) (0.5-1)
ASE251 ASE2051	3		Covers diagnosis, principles of hydraulics, principles of electronic components, power flow, theory of operation including removal, installation, and replacement of transmission/transaxle and components. This course meets AST/MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-67.5) (1-3.5)
ASE252 ASE2052	2		Covers the diagnosis, repair, and rebuild of automatic transmissions and transaxles including the hydraulic, electronic, and mechanical components. This course meets MAST requirements. Prerequisite: <a href="#">ASE1001</a> (ASE101) ("C" or better) (Contact hours-45) (1-2)
ASE264 ASE2064	1		Covers basic operation of heating and air conditioning components. This course meets MLR/AST/MAST requirements. (Contact hours-22.5) (0.5-1)
ASE291 ASE2191	3		Provides a comprehensive study of the theory, operation, diagnosis, and repair of vehicle accessories. This course meets AST/MAST requirements. (Contact hours-67.5) (1-3.5)
ASE292 ASE2192	3		Focuses on the inspection and testing of typical computerized engine control and ignition systems. This course meets AST/MAST requirements. (Contact hours-67.5) (1-3.5)
ASE293 ASE2193	3		Focuses on the diagnosis and repair of electronic fuel injection systems and modern exhaust systems. This course meets AST/MAST requirements. (Contact hours-67.5) (1-3.5)
ASE294 ASE2194	3		Covers operation of steering and power steering systems including different alignment types and procedures. (Contact hours-67.5) (1-3.5)
ASE295 ASE2095	3		Covers the diagnosis and service of vehicle heating and air conditioning systems and their components. This course meets AST/MAST requirements. (Contact hours-67.5) (1-3.5)



## ASTRONOMY

Course Number	Credits	GT Code	Description
AST101 AST1110	4	GT-SC1	Focuses on the history of astronomy, naked eye observations, tools of the astronomer, contents of the solar system, and life in the universe. Incorporates laboratory experience. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisites: Successful completion of REA090 or ENG0092 (CCR092) ("C" or better) OR appropriate placement score. Corequisites: ENG0094 and ENG1021 (CCR094 and ENG121) (Contact hours-75) (3-2)
AST102 AST1120	4	GT-SC1	Emphasizes the structure and life cycle of the stars, the sun, galaxies, and the universe as a whole, including cosmology and relativity. Stellar phenomena including white dwarves, black holes will be explored. Incorporates laboratory experience. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisite: Successful completion of REA090 or ENG0092 (CCR092) ("C" or better) OR appropriate placement score. Corequisites: ENG0094 and ENG1021 (CCR094 and ENG121) (Contact hours-75) (3-2)

## AVIATION TECHNOLOGY

Course Number	Credits	GT Code	Description
AVT255 AVT2055	2		Demonstrates readiness for the UAS Operator written test. Regulations pertaining to UAS operations will be introduced, including airspace, weather, and flight parameter limitations. The student will also demonstrate knowledge of UAS components and systems, maintenance, autonomy, ground stations, and telemetry.

## BIOLOGY

Course Number	Credits	GT Code	Description
BIO103 BIO1003	3	GT-SC2	Introduces the student to the study of animals and their interactions with the environment. This course includes principles of evolution, taxonomy, phylogeny, morphology, behavior and ecology. It includes the study of animal diversity, emphasizing the characteristics and classifications of major phyla. The loss of biodiversity and conservation will also be covered. This is a Statewide Guaranteed Transfer course in the GT-SC2 category. (Contact hours-45) (3-0)
BIO104 BIO1004	4	GT-SC1	Develops a basic knowledge of the structure and function of the human body by studying the body's structure as a series of interrelated systems. Includes cardiovascular, respiratory, digestive, lymphatic, musculoskeletal, nervous, endocrine, reproductive and urinary systems, and genetics. Emphasizes disease prevention and wellness. This course includes laboratory experience. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. (Contact hours-75) (3-1)
BIO105 BIO1005	4	GT-SC1	Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Explores biology as a science, a process of gaining new knowledge, and the impact of biological science on society. This course includes laboratory experience. Designed for non-science majors. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. (Contact hours-75) (3-2)
BIO106 BIO1006	4		Focuses on basic knowledge of body structures and function, and provides a foundation for understanding deviations from normal and disease conditions. This course is designed for individuals interested in health care and is directly applicable to the Practical Nursing Program, Paramedic Program and the Medical Office Technology program.
BIO111 BIO1111	5	GT-SC1	Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. Includes cell structure and function, the metabolic processes of respiration, and photosynthesis, as well as cell reproduction and basic concepts of heredity. This course includes laboratory experience. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisites: Successful completion of REA090 or ENG0092 (CCR092) ("C" or better) OR appropriate placement score. Corequisites: ENG0094 and ENG1021 (CCR094 and ENG121). (Contact hours-90) (4-2)
BIO112 BIO1112	5	GT-SC1	Examines the fundamental principles of ecology, evolution, classification, structure, and function in plants and animals. This course includes laboratory experience. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisite: BIO111 (BIO111) ("C" or better) OR instructor approval. (Contact hours-90) (4-2)
BIO116 BIO1016	3	GT-SC2	Focused analysis of the causes and mechanics of human illness and death will be presented for each of the major human body systems. Selected diseases will be studied in greater detail including etiology, pathogenesis, epidemiology, sociology, and therapy. This is a Statewide Guaranteed Transfer course in the GT-SC2 category. (Contact hours-45) (3-0)
BIO175 BIO1075	1 to 6		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-0 to 90)

<b>BIOLOGY</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
BIO201 BIO2101	4	GT-SC1	Focuses on an integrated study of the human body including the histology, anatomy, and physiology of each system. Examines molecular, cellular, and tissue levels of organization plus integuments, skeletal, articulations, muscular, and nervous systems. Includes a mandatory hands-on laboratory experience covering microscopy, observations, and dissection. This is the first semester of a two semester sequence. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisite: BIO1111 (BIO111) ("C" or better) OR BIO1004 (BIO104) ("C" or better) OR BIO1006 (BIO106) ("C" or better) OR instructor approval. (Contact hours-75) (3-2)
BIO202 BIO2102	4	GT-SC1	Focuses on the integrated study of the human body and the histology, anatomy, and physiology of the following systems and topics: endocrine, cardiovascular, hematology, lymphatic and immune, urinary, fluid and electrolyte control, digestive, nutrition, respiratory, reproductive, and development. Includes a mandatory hands-on laboratory experience involving microscopy, observations, and dissection. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisite: BIO1111 (BIO111) ("C" or better) OR BIO1004 (BIO104) ("C" or better) OR BIO1006 (BIO106) ("C" or better), OR BIO2101 (BIO201) or equivalent ("C" or better) OR instructor approval. (Contact hours-75) (3-2)
BIO204 BIO2104	4	GT-SC1	Covers the diversity of microorganisms, their structure, physiology, and the identification process. There is an emphasis on microorganisms that cause infectious disease and the process of infection, host immune responses, and methods to control microorganisms. Laboratory experiences include culturing, identifying, and controlling microorganisms. This course is designed for students pursuing a health science field. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisite: BIO1111 (BIO111) or equivalent ("C" or better), OR instructor approval. (Contact hours-105) (3-3)
BIO208 BIO2108	5	GT-SC1	Surveys microorganisms with an emphasis on their structure, development, physiology, classification, and identification. Microbial diversity, functional anatomy, biochemistry, genetics, ecology, and disease are included. Mandatory hands-on laboratory experience includes sterile technique, microscopy, culture procedures, and biochemical and genetic analysis. This course is designed for biology and health science majors. This is a Statewide Guaranteed Transfer course in the GT-SC1 category. Prerequisite: BIO1111 (BIO111) ("C" or better) OR instructor approval. (Contact hours-105) (4-3)
BIO216 BIO2116	4		Focuses on the alterations in physiological, cellular, biochemical processes, the associated homeostatic responses, and the manifestations of disease. Prior knowledge of cellular biology, anatomy, and physiology is essential for the study of pathophysiology. Prerequisite: BIO2101 OR BIO2102 (BIO201 or 202) ("C" or better) OR instructor approval. (Contact hours-60) (4-0)
BIO221 BIO2121	5	GT-SC1	This course is designed for biology majors. It is a study of nonvascular and vascular plants. It emphasizes photosynthetic pathways, form and function, reproduction, physiology, genetics, diversity, evolution, and ecology. This course requires mandatory hands-on laboratory and field experience. This is a Statewide Guaranteed Transfer course in the GT-SC1 category.

<b>BUSINESS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
BUS102 BUS1002	3		Explores the essential requirements for starting and operating a business. This course covers basic concepts of business law, marketing, finance and operations. It guides the development of an effective business plan and prepares students to launch and sustain their own businesses. (Contact hours-45) (3-0)
BUS115 BUS1015	3		Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics. Prerequisite: Successful completion of ENG0092 (REA045 or 060 or CCR092) ("C" or better) OR appropriate placement score. Corequisite: ENG0092 (CCR092) (Contact hours-45) (3-0)
BUS116 BUS1016	3		Surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes. (Contact hours-45) (3-0)
BUS120 BUS1020	3		Provides an introduction to electronic commerce and the business trends in the dynamic e-commerce environment. This course covers the definition of e-commerce, technology and software requirements, security issues, electronic payment and marketing strategies. This course focuses on what to expect in business-to consumer (B2C) and business-to-business (B2B) e-commerce markets when creating an e-business. (Contact hours-45) (3-0)

<b>BUSINESS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
BUS175 BUS1075	1 to 6		Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as needed basis to provide current, up-to-date information. (Contact hours-4 to 45) (.25 to 7-0)
BUS216 BUS2016	3		Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments. (Contact hours-45) (3-0)
BUS217 BUS2017	3		Emphasizes effective business writing and cover letters, memoranda, reports, application letters, and resumes. Includes the fundamentals of business communication and an introduction to international communication. Suggested Prerequisite: Sentence Skills Accuplacer score of 95. (Contact hours-45) (3-0)
BUS226 BUS2026	3		Focuses on statistical study, sampling, organizing and visualizing data, descriptive statistics, probability, binomial distributions, normal distributions, confidence intervals, linear regression, and correlation. Intended for business majors. Prerequisite: Elementary Algebra score of 85+ OR successful completion of MAT0250 (MAT050) or 090 or 096 or 099 ("C" or better) OR Math ACT score of 21 OR appropriate placement score. (Contact hours-45) (3-0)
BUS275 BUS2075	1 to 6		Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as needed basis to provide current, up-to-date information.

<b>CHEMISTRY</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
CHE101 CHE1011	5	<a href="#">GT-SC1</a>	Includes the study of measurements, atomic theory, chemical bonding, nomenclature, stoichiometry, solutions, acid and base, gas laws, and condensed states. Laboratory experiments demonstrate the above concepts qualitatively and quantitatively. Designed for non-science majors, students in occupational and health programs, or students with no chemistry background. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">MAT0300</a> (MAT055) ("C" or better) (Contact hours-90) (4-2)
CHE102 CHE1012	5	<a href="#">GT-SC1</a>	Focuses on introductory organic and biochemistry (sequel to Introduction to Chemistry I). This course includes the study of hybridization of atomic orbitals for carbon, nomenclature of both organic and biochemical compounds, physical and chemical properties of various functional groups of organic chemistry, and physical and chemical properties of biochemical compounds along with their biochemical pathways. Laboratory experiments are included. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> .
CHE111 CHE1111	5	<a href="#">GT-SC1</a>	Focuses on basic chemistry and measurement, matter, chemical formulas, reactions and equations, stoichiometry. This course covers the development of atomic theory culminating in the use of quantum numbers to determine electron configurations of atoms, and the relationship of electron configuration to chemical bond theory. The course includes gases, liquids, and solids, and problem-solving skills are emphasized through Laboratory experiments. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: 1 year high school chemistry or equivalent. Corequisite: <a href="#">MAT1340</a> (MAT121) or instructor approval. (Contact hours-105) (4-3)
CHE112 CHE2112	5	<a href="#">GT-SC1</a>	Presents concepts in the areas of solution properties, chemical kinetics, chemical equilibrium, acid-base and ionic equilibrium, thermodynamics, and electrochemistry. This course emphasizes problem solving skills and descriptive contents for these topics. Laboratory experiments demonstrate qualitative and quantitative analytical techniques. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">CHE1111</a> (CHE111) ("C" or better) (Contact hours-105) (4-3)
CHE205	5		Focuses on compounds associated with the element carbon, their reactions, and synthesis. Includes structure, physical properties, reactivities, synthesis and reactions of aliphatic hydrocarbons and selected functional group families including alcohols, ethers, aromatics, aldehydes, ketones, amines, amides, esters, and carboxylic acids. Covers nomenclature, stereochemistry, and reaction mechanisms. Includes reactions and reaction mechanisms of aromatic compounds. Designed for students needing one semester of organic chemistry.
CHE211 CHE2111	5		Focuses on compounds associated with the element carbon including structure and reactions of aliphatic hydrocarbons and selected functional group families. The course covers nomenclature of organic compounds, stereochemistry, and reaction mechanism such as SN1, SN2, E1 and E2. Laboratory experiments demonstrate the above concepts plus the laboratory techniques associated with organic chemistry. Prerequisite: <a href="#">CHE1112</a> (CHE112) ("C" or better) (Contact hours-105) (4-3)
CHE212 CHE2112	5		Explores the chemistry of carbon-based compounds, their reactions, and synthesis, including the structure, physical properties, reactivities, and synthesis of organic functional groups not covered in the Organic Chemistry I. The course explores functional groups including alcohols, ethers, aromatics, aldehydes, ketones, amines, amides, esters, and carboxylic acids and the reactions and reaction mechanisms of aromatic compounds. An

## CHEMISTRY

Course Number	Credits	GT Code	Description
			introduction to biochemical topics may be included if time permits. Laboratory experiences demonstrate the above concepts and the laboratory techniques associated with organic chemistry. Prerequisite: <a href="#">CHE2111</a> (CHE 211) ("C" or better) (Contact hours-105) (4-3)
CHE275 CHE2075	1-6		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
CHE285 CHE2085	1 to 6		Provides the opportunity for the highly motivated student to engage in intensive study and research on a specified topic under the direction of a faculty member. Allows a student to complete a course in a semester when the course has not been offered or has been canceled. The option to make independent study available is at the discretion of qualified faculty and the department chair. The student is limited to the number of independent study courses taken per semester. Prerequisite: instructor approval.

## COMPUTER INFORMATION SYSTEMS

Course Number	Credits	GT Code	Description
CIS118 CIS1018	3		This course introduces basic computer terminology, file management, and PC system components. Provides an overview of office application software including word processing, spreadsheets, databases, and presentation graphics. Includes the use of a web browser to access the Internet. (Contact hours-45) (3-0)

## COMMUNITY EDUCATION

Course Number	Credits	GT Code	Description
CMED			This six-week course is a discussion-based workshop bringing women together to learn from experts in production, financial management, human resources, marketing and the legal field. There's plenty of time for questions, sharing, reacting and connecting with your presenters and fellow participants. It's a relaxed, fun and dynamic way to learn, grow and meet other farm/ranch women.

## COMPUTER NETWORKING

Course Number	Credits	GT Code	Description
CNG102 CNG1002	3		Introduces Local Area Networking. Focuses on discussions and demonstrations of planning, installing, and supporting networks.
CNG109 CNG1009	3		Demonstrates problem-solving skills in data communications, telecommunications and networking. Covers workstation operation, wiring and cabling, network construction using a variety of network/internet devices, and configuring and managing Novell and Windows 2000 operating systems. (Contact hours-45) (3-0)

## COMMUNICATION

Course Number	Credits	GT Code	Description
COM115 COM1150	3		Combines the basic theory of speech communication with public speech performance skills. Emphasizes on speech delivery, preparation, organization, support, and audience analysis. (Contact hours-45) (3-0)
COM125 COM1250	3	<a href="#">GT-SS3</a>	Examines the communication involved in interpersonal relationships occurring in family, social, and career situations. Relevant concepts include self-concept, perception, listening, nonverbal communication, and conflict. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
COM175 COM1075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90) (0-0)
COM217 COM2220	3	<a href="#">GT-SS3</a>	Examines group communication theories with an emphasis on leadership and group behaviors. The course provides opportunities for group participation. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
COM225 COM2250	3		Focuses on the role of communication theory and skills as they apply to business and organizational settings. Topics include organizational and leadership models, effective communication skills with peers, superiors, and subordinates, environmental factors impacting communication, and interviewing skills. (Contact hours-45) (3-0)
COM220 COM2300	3	<a href="#">GT-SS3</a>	Explores the link between culture and communication and will develop and/or enhance communication skills and the abilities appropriate to a multicultural society. Emphasis will be on understanding diversity within and across cultures. Relevant concepts include perception, worldview, context, ethics, language, and nonverbal communication. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
COM230 COM2400	3		Introduces the student to the theory of argumentation including reasoning, evidence, refutation, critical thinking, and extemporaneous speaking. The course includes practice in

## COMMUNICATION

Course Number	Credits	GT Code	Description
			preparation and oral analysis of selected arguments and styles of debating. (Contact hours-45) (3-0)

## COSMETOLOGY

Course Number	Credits	GT Code	Description
COS103 COS1003	1		Introduces various types of scalp treatments, shampoos and conditioners. Enables student to recognize and treat disorders of hair and scalp. Covers product knowledge and proper massage techniques to help control disorders and to cleanse the hair and scalp. Includes terminology dealing with hair structure, scalp, and hair disorders. Provides training in a lab or classroom setting. (Contact hours-15) (1-0)
COS110 COS1010	2		Provides theory pertaining to the law of color, theory of color, chemistry of color, product knowledge, and analysis of hair and scalp. This course covers basic techniques and procedures for the application of hair coloring. (Contact hours-37.5) (1-1.5)
COS111 COS1011	2		Expands on haircoloring theory and practical application of color products, formulations of color, level and shades of color. Students will learn application techniques in a specialized class or in a supervised salon setting. Prerequisite: <a href="#">COS1010</a> (COS110) ("C" or better) (Contact hours-45) (0-3)
COS120 COS1020	2		Introduces haircutting theory relevant to patron protection, angles, elevations, and the analysis of hair textures as related to hair cutting procedures. This course covers proper use and care of hair cutting implements, basic hair cutting techniques using various cutting implements, and disinfection and sanitation procedures as they relate to haircutting. (Contact hours-37.5) (1-1.5)
COS121 COS1021	2		Expands on basic haircutting theory incorporating facial shapes, head and body forms to determine the appropriate techniques required to complete a client haircut. Students will apply hair cutting techniques in specialized classes or in the supervised salon. Prerequisite: <a href="#">COS1020</a> (COS120) ("C" or better) (Contact hours-45) (0-3)
COS130 COS1030	2		Combines theory with the practical application of hairstyling. This course covers roller placement, hair molding and shaping, pin curls, finger waves, comb-out techniques, air forming, thermal straightening, or curling for short to long hair. (Contact hours-37.5) (1-1.5)
COS131 COS1031	2		This course covers the accepted methods of styling hair, air forming, roller sets, finger waves, pin curls, braiding, and hair pressing. Prerequisite: <a href="#">COS1030</a> (COS130) ("C" or better) (Contact hours-45) (0-3)
COS140 COS1040	1		Introduces a combination of theory and practice focusing on the analysis of hair and scalp, proper equipment, and product knowledge. Includes basic techniques in permanent waving and chemical relaxing. Provides training in a classroom or lab setting on mannequins or live models. (Contact hours-15) (1-0)
COS141 COS1041	1		Emphasizes theory and practical application of chemical texture, including permanent waves and chemical relaxers, in a supervised salon setting. Students will practice different wrapping techniques required by trend styles in a classroom or salon setting. Prerequisite: <a href="#">COS1040</a> (COS140) ("C" or better) (Contact hours-22.5) (0-1.5)
COS150 COS1050	1		This course covers laws, rules, and regulations governing the beauty industry in Colorado and accountability for the student, licensed individual, salons, and school owners. (Contact hours-15) (1-0)
COS160 COS1060	2		This course covers various methods of sanitation, disinfection; and principles of workplace safety, infection control and prevention. Topics presented in this course include: classroom study of bacteriology, chemistry of cleaning versus disinfecting products that are used in the cosmetology industry, and terminology dealing with infection control. (Contact hours-37.5) (1-1.5)
COS161 COS1061	1		This course focuses on the theory and daily practice of proper methods of disinfection, sanitation, and safety procedures as related to all phases of cosmetology. Topics presented in this course include: terminology and training of disinfection, sanitation and safety procedures, and customer service in a supervised salon setting or specialized class. Prerequisite: <a href="#">COS1060</a> (COS160) ("C" or better) (Contact hours-22.5) (0-1.5)
COS203 COS2003	1		This course covers theory and practical training in shampoos, rinses, and conditioners and examines advanced techniques to prepare the student for employment. Instruction includes preparation for the Colorado State Board Licensing Examination for shampoos, rinses, and conditioners. Prerequisite: <a href="#">COS1003</a> (COS103) ("C" or better) (Contact hours-22.5) (0-1.5)
COS210 COS2010	2		This course covers theory and practical application of color products, formulations of color, level and shades of color. Students will practice haircoloring techniques in a specialized class or in a supervised salon setting. Prerequisite: <a href="#">COS1011</a> (COS111) ("C" or better) (Contact hours-45) (0-3)
COS211 COS2011	2		This course covers advanced theory and practical techniques in haircoloring. Course covers the recognition of color problems and color correction procedures in preparation for the Colorado State Board Licensing Examination. Topics in this course include: advanced techniques, color formulation, and product knowledge. Prerequisite: <a href="#">COS2010</a> (COS210) ("C" or better) (Contact hours-45) (0-3)

<b>COSMETOLOGY</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
COS220 COS2020	2		This course covers haircutting theory related to facial shapes, head and body forms to determine the techniques necessary for client's specified haircut and practical applications of haircutting techniques for various client requests. Prerequisite: <a href="#">COS1021</a> (COS121) ("C" or better) (Contact hours-45) (0-3)
COS221 COS2021	2		This course covers advanced haircutting techniques utilizing multiple cutting tools and emphasizes current fashion trends and preparation for the Colorado State Licensure examination. Prerequisite: <a href="#">COS0220</a> (COS220) ("C" or better) (Contact hours-45) (0-3)
COS230 COS2030	2		This course covers accepted methods of styling hair, including: air forming, roller sets, iron sets, finger waves, braiding and hair pressing. Students will practice hairstyling techniques for client purposes in specialized classes or in a supervised salon setting. Prerequisite: <a href="#">COS1031</a> (COS131) ("C" or better) (Contact hours-45) (0-3)
COS231 COS2031	1		This course covers hairstyling theory and advanced techniques in all phases of hair styling to prepare the student for employment. Training is a combination of supervised salon work and specialized classes. Students will prepare for the Colorado State Board Licensing Examination. Prerequisite: <a href="#">COS2030</a> (COS230) ("C" or better) (Contact hours-22.5) (0-1.5)
COS240 COS2040	1		This course covers theory of chemical texture and practical application of permanent waves and chemical relaxers in specialized classes or a supervised salon setting. Students will practice different wrapping techniques required by trend styles or per client request. Prerequisite: <a href="#">COS1041</a> (COS141) ("C" or better) (Contact hours-22.5) (0-1.5)
COS241 COS2041	1		This course covers advanced techniques for chemical texture and current industry standards of practice to prepare the student for employment and the State Board Licensing Examination. Instruction is provided in specialized classes or supervised salon setting. Prerequisite: <a href="#">COS2040</a> (COS240) ("C" or better) (Contact hours-22.5) (0-1.5)
COS250 COS2050	1		This course covers salon management business practices and the knowledge and skills necessary to build a successful business. Topics covered in this course include: basic business management, interpersonal skills, basic techniques in salesmanship and customer services, job readiness skills, and professional ethics. (Contact hours-15) (1-0)
COS260 COS2060	2		This course covers infection control theory and practice of proper methods of sterilization, disinfection, sanitation, and safety procedures as related to all phases of the industry. Topics for this course include: terminology and training of disinfection, sanitation, and safety procedures. The individual's responsibility to provide a safe work environment is practiced. Prerequisite: <a href="#">COS1061</a> (COS161) ("C" or better) (Contact hours-37.5) (1-1)
COS261 COS2061	1		This course covers advanced training on decontamination and safety practices in a supervised salon and/or classroom setting and primarily focuses on student preparation for the Colorado State Board Licensing Examination in decontamination and safety for all aspects of the industry. Topics for this course include: Occupational Safety and Health Administration (OSHA) requirements for schools and salons. Prerequisite: <a href="#">COS2060</a> (COS260) ("C" or better) (Contact hours-22.5) (0-1.5)
COS275 COS2075	0.5-6		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-7.5 to 90)

<b>CRIMINAL JUSTICE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
CRJ110 CRJ1010	3	<a href="#">GT-SS3</a>	Introduces a study of the agencies and processes involved in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. Includes an analysis of the roles and problems of the criminal justice system in a democratic society, with an emphasis upon inter-component relations and checks and balances. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
CRJ125 CRJ1025	3		Examines the complexity and multi-dimensional aspects of the law enforcement role and career law enforcement discretion and law enforcement values and culture in modern America. Covers the role and functions of law enforcement in occupational, social, political, and organizational context. (Contact hours-45) (3-0)
CRJ127 CRJ1027	3		Focuses on basic procedures in crime scene management to include photography and preparing initial reports and sketches. Includes processing evidence and related criminalistic procedures. Covers interviewing suspects, witnesses, and victims to include the recording of identifications and descriptions. Incorporates lab and lecture. (Contact hours-45) (3-0)
CRJ135 CRJ1035	3		Examines the criminal process with an analysis of the major judicial decisionmakers, i.e. prosecutors, defense attorneys, judges, and the discretionary aspects of adjudication. (Contact hours-45) (3-0)
CRJ145 CRJ1045	3		Focuses on the post-conviction corrections process, the development of a correctional philosophy, theory, and practice, the description of institutional operation, programming and management, and the community-based corrections, probation, and parole. (Contact hours-45) (3-0)
CRJ146 CRJ1046	3		Introduces an analysis of community based correctional programs and procedures. Emphasizes the environment and the relationship to public safety, reintegration, and punishment. (Contact hours-45) (3-0)

<b>CRIMINAL JUSTICE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
CRJ185 CRJ1085	1 to 6		This course meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. (Contact hours-15 to 90)
CRJ205 CRJ2005	3		Focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law. (Contact hours-45) (3-0)
CRJ209 CRJ2009	3		Covers the function of the preliminary investigation at a crime scene to include securing the scene, crime scene searchers, police drawings, and recognition and collection of evidence. (Contact hours-45) (3-0)
CRJ231 CRJ2031	3		Exploration of the fundamentals of forensic science that are essential for gathering evidence at the crime scene and analyzing it in the crime laboratory. (Contact hours-45) (3-0)
CRJ235 CRJ2035	3		Focuses on the adolescent who violates social and legal norms and the consequences for the individual and society. Emphasizes the social and psychological factors influencing individual delinquent patterns. (Contact hours-45) (3-0)
CRJ236 CRJ2036	3		Introduces and applies methods for criminal justice and criminology with an emphasis on the scientific method and the role of empirical inquiry into criminal justice and criminology. This course will include the study of methodologies of data collection and analysis, the logic of research, the role of theory, measurement, sampling, and research designs. Field research and the professional norms and ethics of criminal justice and criminology research will also be covered. (Contact hours-45) (3-0)
CRJ268 CRJ2068	3		Examines theories of crime causation with respect to crimes committed by the most violent offenders in society. An analysis of the research done and the history of Criminal Personality Profiling, beginning with the earliest explanations through the beliefs of modern science as well as psychological and sociological explanations. Identifies various known offenders, examines their backgrounds, and explains how current research into homicide, sexual offenses, and serial killers can provide clues to the identity of unknown offenders. (Contact hours-45) (3-0)
CRJ275 CRJ2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)
CRJ280 CRJ2080	3		Provides placement in the criminal justice field to integrate theory with practice.
CRJ285 CRJ2085	1 to 6		This course meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. (Contact hours-15 to 90)
CRJ257 CRJ2057	3		Demonstrates to the student the role the crime victim plays in the criminal justice system. The traditional response that a crime victim receives from the system will be studied and the psychological, emotional and financial impact these responses have on victimization will be analyzed.

<b>COMPUTER SCIENCE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
CSC119 CSC1019	3		Focuses on a general introduction to computer programming. Emphasizes the design and implementation of structured and logically correct programs with good documentation. Focuses on basic programming concepts, including numbering systems, control structures, modularization, and data processing. A structured programming language is used to implement the student's program designs.

<b>DANCE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
DAN115 DAN1015	1 CR		Includes many styles and various combinations of steps for Western dance music. Will also teach the students how to convert combinations of others dances of traditional and fad as they become popular. (Contact hours-30) (0-2)

<b>DIESEL POWER MECHANICS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
DPM101 DPM1001	2		Focuses on maintaining a safe and clean working heavy duty diesel shop. Emphasis is placed on the proper use and care for hand, electric, air, and hydraulic tools safely. Covers how to clean equipment properly, to handle and dispose of hazardous materials correctly, and to apply mandated regulations. Emphasis is also placed on proper lifting equipment. (Contact hours-45) (1-2)
DPM103 DPM1003	4		Covers the theory and operation of diesel engines with emphasis on cylinder heads, valve train diagnosis, and repair. This course introduces the cooling system's importance in diagnosis and repair. This course meets Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program

## DIESEL POWER MECHANICS

Course Number	Credits	GT Code	Description
			accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-90) (1-5)
DPM104 DPM1004	2		Focuses on heavy duty diesel engine and turbo charger cooling systems including coolant identification, circulation, testing, and repair. This course meets Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. (Contact hours-45) (1-2)
DPM105 DPM1005	3		Focuses on drive axles and universal joints of heavy duty trucks and equipment including operation, testing, removal, inspections, and repair of heavy duty drivelines, axles, and differentials. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM120 DPM1020	2		Covers basic electrical theory, circuit designs, wiring methods, multimeter usage, and wiring diagrams including the demonstration of test procedures on electrical circuits. This course meets the Inspection, Maintenance & Minor Repair; Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (IMMR/TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-45) (1-2)
DPM122 DPM1022	3		Covers the repair, replacement, measurement, and adjustments of components including pumps, control valves, and cylinders. This course meets the Medium/Heavy Truck Master Service Technology (MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM126 DPM1026	3		Covers the operation, testing, maintenance, repair, and servicing of heavy duty vehicle battery, starting, and charging systems including voltage drop testing and load testing. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better). (Contact hours-67.5) (1-3.5)
DPM136 DPM1036	2		Focuses on performing inspections and maintenance of heavy duty cab safety systems and accessories. This course meets the Inspection, Maintenance, and Minor Repair (IMMR) program accreditation standards. (Contact hours-45) (1-2)
DPM140 DPM1040	3		Emphasizes lecture and related lab in the diagnosis and service of heavy duty mechanical and air suspension systems, wheels, tires, and pressure management systems. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM191 DPM1191	2		Covers the theory of operation and repair of fuel injection systems including disassembly, assembly, and service procedures on fuel system components. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. (Contact hours-45) (1-2)
DPM192 DPM1192	1		Covers the basic fundamentals of hydraulics including the inspection, minimum service, and safety considerations. This course meets the Inspection, Maintenance & Minor Repair; Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (IMMR/TST/MTST) program accreditation standards. (Contact hours-22.5) (0.5-1)
DPM203 DPM2003	4		Covers the theory of operation and repair of diesel engines with emphasis on the cylinder block in big bore engines. This course includes the disassembly, inspection, and reassembly of diesel engines. This course meets the Medium/Heavy Truck Master Service Technology (MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-90) (1-5)
DPM205 DPM2005	3		Covers clutch and transmission problems. The course focuses on clutch and transmission operation, testing removal, rebuilding, inspection, repairing, and replacement. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM206 DPM2006	3		Focuses on the various braking systems incorporated in heavy duty trucks and heavy equipment including the diagnosis and service of hydraulic, mechanical, and electrical brake components. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM207 DPM2007	3		Focuses on general service and maintenance procedures for the heavy-duty truck air brake system and related pneumatic components including operational checks, performance testing, and verifying system compliance with regulations to the Federal Motor Vehicle Safety Standards (FMVSS No. 121). This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM209 DPM2009	2		Includes diagnosis and repair of heavy duty antilock brake (ABS), automatic traction control (ATC), and electronic stability control (ESC) systems. This course meets Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. (Contact hours-45) (1-2)



## DIESEL POWER MECHANICS

Course Number	Credits	GT Code	Description
DPM210 DPM2010	2		Covers the theory of operation and repair of turbochargers, superchargers, intercoolers, various induction and exhaust systems. This course examines factors regulating engine performance failure, and procedures for reclaiming engine performance. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-45) (1-2)
DPM222 DPM2022	3		Covers the diagnosis and repair of lighting systems found on medium and heavy duty trucks and equipment including inspection and testing of electrical circuits and interfacing through a database with onboard computers. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM240 DPM2040	3		Covers the diagnosis and service of heavy duty standard and air assisted steering along with chassis and frame alignment. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM264 DPM2064	2		Covers the diagnosis, service, and repair of heavy duty equipment heating and ventilation systems. This course meets the Inspection, Maintenance & Minor Repair; Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (IMMR/TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-45) (1-2)
DPM265 DPM2065	3		Covers the diagnosis, service, and repair of heavy duty vehicle air conditioning systems and their components. This course meets the Medium/Heavy Truck Service Technology/Medium/Heavy Truck Master Service Technology (TST/MTST) program accreditation standards. Prerequisite: <a href="#">DPM1001</a> (DPM101) ("C" or better) (Contact hours-67.5) (1-3.5)
DPM291 DPM2191	2		Provides a comprehensive study of the theory, operation, diagnosis, and repair of the heavy duty vehicle body, safety electrical systems, and accessories. This course meets the Medium/Heavy Truck Master Service Technology (MTST) program accreditation standards. (Contact hours-45) (1-2)

## EARLY CHILDHOOD EDUCATION

Course Number	Credits	GT Code	Description
ECE101 ECE1011	3		Provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision. This course addresses children ages birth through 8 years. (Contact hours-45) (3-0)
ECE102 ECE1045	3		Focuses on a classroom seminar and placement in a child care setting. The supervised placement provides the student with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age 8. Prerequisite or Corequisite: <a href="#">ECE1011</a> (ECE101) ("C" or better) (Contact hours-75) (1-4)
ECE103 ECE1031	3		Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years. (Contact hours-45) (3-0)
ECE108 ECE1008	1		Focuses on exposing students to a wide variety of screening tools and evaluations appropriate for children birth to 8 years of age. Enables students to gain beginning knowledge in the selection of developmental screening tools and evaluations important to the IFSP/IEP. (Contact hours-15) (1-0)
ECE111 ECE1111	3		Presents an overview of theories, applications (including observations), and issues pertinent to infant and toddler development in group and/or family settings. Includes state requirements for licensing, health, safety, and nutrition issues. Focuses on birth through age 3. (Contact hours-45) (3-0)
ECE112 ECE1125	3		Includes a classroom seminar and placement in an infant and/or toddler setting. The supervised placement provides the student with the opportunity to observe, to practice appropriate interactions, and to develop effective guidance and nurturing techniques with infants and/or toddlers. Addresses ages prenatal through age 2. Prerequisite or Corequisite: <a href="#">ECE1111</a> (ECE111) ("C" or better) (Contact hours-75) (0-5)
ECE130 ECE1301	3		Explores the nanny's role and responsibilities when working with today's families. Includes professional relationships, ethics, commitment to children, the challenges and rewards of working in a private home, communications, taking care of one's own well-being as a nanny, social skills, travel, the process of seeking a nanny position, employer responsibilities, the nanny job description and written employment agreement, and starting and leaving a job. (Contact hours-45) (3-0)

## EARLY CHILDHOOD EDUCATION

Course Number	Credits	GT Code	Description
ECE131 ECE1315	3		Explores the competencies required of a nanny to care for children in a private home setting. Includes creating a safe home environment, planning and implementing developmentally appropriate play/learning activities for children, traveling with children, children's clothing, children's equipment and play materials, sleep routines, personal care, feeding, and mealtimes. Incorporates a lab where students gain practical experience in providing in home care for children. (Contact hours-15 hours lecture= 1 credit, 75 hours field instruction in licensed child care home= 2 credits) (3-0)
ECE145 ECE1045	3		Focuses on a classroom seminar and placement in a child care setting. The supervised placement provides the student with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age 8.
ECE175 ECE1075	1 to 6		Explores current topics, issues, and activities related to one or more aspects of the early childhood profession. (Contact hours-15 to 90)
ECE178 ECE1078	1 to 6		Provides students with an experiential learning opportunity. (Contact hours-15 to 90)
ECE179 ECE1079	1 to 6		Provides students with an opportunity to examine aspects of early childhood education in detail. (Contact hours-15 to 90)
ECE185 ECE1085	1 to 3		Focuses on structured, guided, and individualized research that is organized and tailored around the interests and needs of the individual student. (Contact hours-15 to 90)
ECE205 ECE2051	3		Focuses on nutrition, health, and safety as key factors for optimal growth and development of young children. Includes nutrient knowledge, menu planning, food program participation, health practices, management and safety, appropriate activities, and communication with families. Addresses ages from prenatal through age 8. (Contact hours-45) (3-0)
ECE209 ECE2061	1		Examines the current research on the continuous practice of observing children. Incorporates practice with a variety of assessment instruments currently utilized in Colorado ECE programs. (Contact hours-15) (1-0)
ECE220 ECE2621	3		Provides an overview of early childhood curriculum development. This course includes processes for planning and implementing developmentally appropriate environments, materials, and experiences that represent best practices in early childhood (EC) program settings. This course addresses children ages birth through 8 years. (Contact hours-45) (3-0)
ECE226 ECE2641	3		Provides an emphasis on encouraging and supporting creative self-expression and problem solving skills in children. Explores creative learning theories and research. Focuses on developmentally appropriate curriculum strategies in all developmental domains. Addresses ages birth through age 8. (Contact hours-45) (3-0)
ECE228 ECE2651	3		Presents strategies for optimum language development, literacy, social, and emotional development. Supports children's language and literacy in home, classroom, and community settings. Provides appropriate teacher/child verbal interactions, classroom environments, and activities. Addresses ages birth through age 8. (Contact hours-45) (3-0)
ECE238 ECE2381	3		Covers the growth and development of the child from conception through the elementary school years. This course emphasizes physical, cognitive, language, social, and emotional domains of development as they pertain to the concept of the whole child. It also includes ways adults can provide a supportive early childhood care and educational environment through teamwork and collaboration. (Contact hours-45) (3-0)
ECE240 ECE2401	3		Provides foundational knowledge in early childhood program business operations, program development, and evaluation. This course covers administrative skills, ethical decision making, risk and resource management, and components of quality Early Childhood Education (ECE) programs serving children ages birth through 12 years. Prerequisite: <a href="#">ECE1011</a> (ECE101) ("C" or better) (Contact hours-45) (3-0)
ECE241 ECE2411	3		Focuses on the human relations component of an early childhood professional's responsibilities. This course includes director-staff relationships, staff development, leadership strategies, family-professional partnerships, and community interaction. (Contact hours-45) (3-0)
ECE256 ECE2101	3		Examines personal attitudes regarding families, family values systems, and how personal attitudes affect parent-professional partnerships in the early childhood education program. This course covers communication, problem solving, and conflict resolution strategies. Effective activities and resources to support family involvement in the classroom will be created. This course addresses children ages birth through 8 years. (Contact hours-45) (3-0)
ECE260 ECE2601	3		Presents an overview of critical elements related to educating young children with disabilities or special needs in the early childhood setting. Topics include: typical and atypical development; legal requirements; research-based practices related to inclusion; teaming and collaboration; and accommodations and adaptations. This course examines how a disability or special need may impact a young child's learning process. This course addresses children ages birth through 8 years. Prerequisite: <a href="#">ECE2381</a> (ECE238) ("C" or better) (Contact hours-45) (3-0)
ECE285 ECE2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. (Contact hours-15 to 90)

## EARLY CHILDHOOD EDUCATION

Course Number	Credits	GT Code	Description
ECE288 ECE2088	6		Provides students with advanced field experience opportunities in early childhood education programs. Prerequisites or Corequisite: <a href="#">ECE1008</a> and <a href="#">ECE2061</a> (ECE1008 and ECE209) ("C" or better) (Contact hours-240)

<b>ECONOMICS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
ECO101 ECO1001	3	<a href="#">GT-SS1</a>	Examines the major socio-economic issues of the past century. Covers poverty and growth, education, health care, pollution, and discrimination. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . (Contact hours-45) (3-0)
ECO201 ECO2001	3	<a href="#">GT-SS1</a>	Focuses on the study of the American economy, stressing the interrelationships among household, business, and government sectors. Explores saving and investment decisions, unemployment, inflation, national income accounting, taxing and spending policies, the limits of the market and government, public choice theory, the Federal Reserve System, money and banking, and international trade. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . Prerequisites: Successful completion of <a href="#">ENG0092</a> (CCR092) and minimum of <a href="#">MAT0250</a> (MAT050) ("C" or better). (Contact hours-45) (3-0)
ECO202 ECO2002	3	<a href="#">GT-SS1</a>	Studies the firm, the nature of cost, and how these relate to the economy as a whole. Analyzes economic models of the consumer, perfect competition, monopoly, oligopoly and monopolistic competition. Explores economic issues including market power, population growth, positive and negative externalities, income distribution, poverty and welfare, discrimination, and international economic interdependence. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . Prerequisites: Successful completion of <a href="#">ENG0092</a> (CCR092) and minimum of <a href="#">MAT0250</a> (MAT050) ("C" or better). (Contact hours-45) (3-0)

<b>EDUCATION</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
EDU101 EDU1101	1		This course is designed for tutors and learning assistants and introduces them to effective tutoring strategies. Topics include guidelines for tutoring, how to plan, conduct, and evaluate a productive tutoring session, recognizing needs of students, and developing effective learning strategies with students. Prerequisite: instructor approval (Contact hours-15) (1-0)
EDU175 EDU1075	0.5		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Prerequisite: instructor approval. (Contact hours-3.75 to 90)
EDU176 EDU1076	0		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
EDU185 EDU1085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. Prerequisite: instructor approval (Contact hours-15 to 90)
EDU188 EDU1088	1		Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the education facility and with the direct guidance of the instructor.
EDU221 EDU2211	3		Focuses on the historical, social, political, philosophical, cultural, and economic forces that shape the United States public school system. Includes current issues of educational reform, technology as it relates to education, and considerations related to becoming a teacher in the state of Colorado. Special interest will be paid to the topic of diversity in the K-12 school system. Prerequisite: College level reading (Contact hours-45) (3-0)
EDU222 EDU2221	1		Focuses on strategies for becoming an effective teacher. Topics included are: course goals and objectives, the first day, planning a lesson, higher levels of thought, test design and grading, assessment, and teaching and learning styles. (Contact hours-15) (1-0)
EDU234 EDU2341	3		Focuses on the need to recognize and understand the similarities and differences among people and develop a respect for all individuals and groups. Assists teachers to recognize the special learning needs of children from different racial, ethnic, cultural and socioeconomic groups, and to encourage teachers to integrate multicultural/diversity teaching into the school curriculum. (Contact hours-45) (3-0)
EDU240 EDU2401	3		Focuses on learners with exceptionalities with emphasis on factors relating to current practices, identification, characteristics, and educational adaptations in special education preschool to 21 (P-21). Course topics include issues related to mild disabilities, severe disabilities, emotional and behavioral disorders, intellectual disabilities, and gifted and talented.
EDU250 EDU2501	1		Explores common elements of Career and Technical Education philosophy and current practices. It details the philosophy of Career and Technical Education (CTE), the federal Carl D. Perkins legislation and related guidelines for CTE, the Colorado Technical Act, national and state regulatory agencies, the CCCS program approval process, enrollment management and advising strategies, relevant local and national issues, and quality assurance principles. (Contact hours-15) (1-0)
EDU251 EDU2511	3		This capstone course in the secondary CTE credentialing sequence offers an in-depth analysis of secondary career and technical student organizations and competitions, the Colorado Technical Act, working with exceptional students, creating and effectively deploying program advisory committees, and an overview of educational and political systems in Colorado. The final project is an analysis of the efficiency with which one's

## EDUCATION

Course Number	Credits	GT Code	Description
			employing school district funds, operates, and assesses CTE programs. (Contact hours-45) (3-0)
EDU253 EDU2531	2		Provides secondary core academic teachers of Math, Language Arts, and Science the opportunity to develop lessons and assessments aligned with Career and Technical Education (CTE) competencies and that include core academic content. Partnerships between both CTE and academic teachers will better prepare them to teach career relevancy within the context of the core academic standards. This course meets the Colorado Department of Education criteria for contextual learning requirement needed for the Initial Integrated Math, Science, or Communications credential. (Contact hours-30) (2-0)
EDU260 EDU2601	3		Examines the philosophy of community colleges and the roles and responsibilities of the faculty member within the college community. Introduces basic instructional theories and application, with particular emphasis on adult learners. Includes syllabus development, learning goals and outcomes, and lesson plans. Emphasizes teaching to a diverse student body, classroom management, assessment, and instructional technology. (Contact hours-45) (3-0)
EDU261 EDU2611	3		Prepares students to integrate technology into their teaching curriculum. Enables the student to design educational and training materials incorporating instructional technology. Explores a variety of technologies including the computer, Internet, multimedia, graphics, audio, and text with an emphasis on increasing learning through their use. Examines combining technology with a variety of instructional methodologies. Prerequisite: <a href="#">EDU2211</a> (EDU221) ("C" or better) OR instructor approval (Contact hours-45) (3-0)
EDU266 EDU2661	1		Explores current adult learning theory and relates this theory to the practice of teaching. It also covers a variety of factors that influence teaching and learning including social and individual psychological aspects of adult learning, patterns of participation and motivation, the role of instructional technology, handling challenging classroom behaviors, and assessment and evaluation strategies. The main point raised and discussed throughout the course is that effective teaching requires that instructors utilize a range of teaching and assessment approaches and methods in order to enhance learning. (Contact hours-15) (1-0)
EDU275 EDU2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-3.75 to 90)
EDU277 EDU2077	4		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-3.75 to 90)
EDU285 EDU2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. (Contact hours-3.75 to 90)
EDU288 EDU2088	2		Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the education facility and with the direct guidance of the instructor.

## ENGINEERING

Course Number	Credits	GT Code	Description
EGG271 EGG2071	3		Emphasizes vectors, resolution and composition of forces in two and three dimensions, vector notation, free body diagrams, static equilibrium of rigid bodies, moments, couples, centroids, and moments of inertia. Prerequisite: <a href="#">PHY2111</a> (PHY211) ("C" or better) (Contact hours-45) (3-0)
EGG272 EGG2072	3		Focuses on a study of kinematics and kinetics of particles and rigid bodies. Addresses the concepts of work-energy and impulse-momentum using vector notation. Prerequisite: <a href="#">EGG2071</a> (EGG271) ("C" or better) (Contact hours-45) (3-0)
EGG275 EGG2075	1 to 6		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-15 to 90)

## ELECTRICITY INDUSTRIAL/COMMERCIAL

Course Number	Credits	GT Code	Description
EIC101 EIC1101	3		Studies first aid, CDL, basic use and care of personal protective equipment, use and care of climbing equipment, daily inspection and basic use of motorized equipment. (Contact hours-67.5) (1-3.5)
EIC220 EIC2320	4		Studies the application of electrical and electromechanical sensing/control devices; heating, ventilating and air conditioning applications; motor control, conveyor drives and other industrial applications. Students design control systems to meet assigned conditions, use principles of relay logic to prepare correct ladder diagrams and wire up, test and trouble-shoot their systems in the laboratory. The course stresses accuracy, safety and National Electric Code requirements. Prerequisites: <a href="#">ELT1206</a> , <a href="#">ELT2252</a> , and <a href="#">WTG1010</a> (ELT106, ELT252, and WTG110) ("C" or better) (Contact hours-90) (1-5)

## ELECTRONICS

Course Number	Credits	GT Code	Description
ELT106 ELT1206	4		Introduces the basic skills needed for many careers in electronics and related fields. Covers the operations and applications of basic DC and AC circuits consisting of resistors, capacitors, inductors, transformers and diodes. Emphasizes the use of common test instruments in troubleshooting. Corequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better) (Contact hours-90) (1-5)
ELT252 ELT2252	3		Enables the student to study, construct, test, and evaluate basic industrial control systems, including AC/DC motors, stepper motors, power sources, generators, tachometers, line diagrams, and logic functions. Covers safety standards and preventive maintenance. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better) (Contact hours-67.5) (1-3.5)
ELT258 ELT2358	3		Covers the fundamentals of programmable logic controllers (PLCs) as they are applied in robotics and automation. Includes history, terminology, typical applications, hardware, and software. Incorporates lab and project activities that address operating, monitoring, programming, troubleshooting, and repairing PLC controlled lab trainers as well as actual industrial equipment. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better) (Contact hours-67.5) (1-3.5)
ELT259 ELT2359	3		Serves as the second in a two course sequence and covers advanced topics and applications for programmable logic controllers (PLCs) as they are applied in robotics and automation. Includes advanced programming, diagnostics, Human Machine Interfaces (HMIs), introduction to automation networking, and system integration. Incorporates lab and project activities that address designing, operating, monitoring, programming, analyzing, troubleshooting, and repairing PLC controlled lab trainers as well as actual industrial equipment. (Contact hours-67.5) (1-3.5)

## EMERGENCY MEDICAL SERVICES

Course Number	Credits	GT Code	Description
EMS115 EMS1015	3		Provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency and providing supportive care until advanced EMS help arrives. Prerequisite: This course has reading placement requirements. Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-52.5) (2-1.5)
EMS116 EMS1016	2		Provides the First Responder student with needed updates and review materials to renew and maintain the First Responder certificate. Prerequisite: Current First Responder Certification and CPR card. (Contact hours-37.5) (1-1.5)
EMS121 EMS1021	3		Introduces the Emergency Medical Technician (EMT) student to prehospital emergency care. The topics included in this course are Emergency Medical Services (EMS) systems, well-being of the EMT, communications, documentation, anatomy, airway management, and patient assessment. Corequisites: <a href="#">HPR1011</a> , <a href="#">EMS1022</a> , <a href="#">EMS1023</a> , and <a href="#">EMS1070</a> (HPR102, EMS122, EMS123, and EMS170) (Contact hours-45) (3-0)
EMS122 EMS1022	4		Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to effectively provide emergency care and transportation to a patient experiencing a medical emergency. This course focuses on the integration of the physical exam, medical history, and pathophysiology when assessing and treating the medical patient. Corequisites: <a href="#">EMS1021</a> , <a href="#">EMS1023</a> , and <a href="#">EMS1070</a> (EMS121, EMS123, and EMS170) (Contact hours-75) (2-3)
EMS123 EMS1023	2		Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to provide appropriate emergency care and transportation of a patient who has suffered a traumatic injury. The concepts of kinematics and the biomechanics of trauma, along with pathophysiology and injury patterns, will provide the student with the ability to assess and manage the trauma patient. Corequisites: <a href="#">EMS1021</a> , <a href="#">EMS1022</a> , and <a href="#">EMS1070</a> (EMS121, EMS122, and EMS170) (Contact hours-37.5) (1-1.5)
EMS126 EMS1026	2		Provides the student with a refresher course designed to meet the recertification requirements for the State of Colorado and/or a portion of the recertification for National Registry. Prerequisites: Current CPR card, current or less than 36 months expired EMT certification. (Contact hours-37.5) (1-1.5)
EMS130 EMS1030	2		Focuses on cognitive and skill practice as required by Colorado Prehospital Care program for EMT level IV approval. Examines criteria, procedures, and techniques for IV therapy, discusses fluid and electrolyte balance and principles and treatment for shock. Prerequisite: Current EMT certification or proper licensure. (Contact hours-30) (2-0)
EMS132	2		Focuses on cognitive and skill practice for the Colorado scope of practice for the IV-IO endorsement as outlined in the Intravenous-Intraosseous Therapy and Medication Administration course curriculum. Prerequisites: Colorado EMT and BLS Certifications. (Contact hours-40.5) (1-1.7)
EMS170 EMS1070	1		Provides the EMT student with the clinical experience required of initial and some renewal processes. Prerequisite: <a href="#">HPR1011</a> (HPR102) ("C" or better) (Contact hours-30) (0-1)
EMS175 EMS1075	.5-12		Provides the student with a vehicle to pursue in depth exploration of special topics of interest. Prerequisite: Current certification- EMT or First Responder.

<b>EMERGENCY MEDICAL SERVICES</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
EMS190 EMS1090	.5-12		Provides the student with the 36 hours of continuing medical education hours required for the State of Colorado Recertification at an EMT level. Provide professional development continuing medical education hours for EMTs wishing to recertify at the state or national level. Prerequisite: Current Colorado EMT certification.
EMS275 EMS2075	.5-10		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-7.5 to 150)

<b>ENGLISH</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
ENG091 ENG0091	1		Supports skill development for students registered in <a href="#">ENG0092</a> (CCR092) College Composition and Reading who score below RC 40 or SS 50. Topics covered in the course include those defined in <a href="#">ENG0092</a> (CCR092) and/or any foundational skills needed by the student. Paired with <a href="#">ENG0092</a> (CCR092). (Contact hours-15) (1-0)
ENG092 ENG0092	5		Integrates and contextualizes college level reading and writing. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts. Prerequisite: This course has reading <a href="#">placement requirements</a> . (Contact hours-75) (5-0)
ENG094 ENG0094	3		Integrates and contextualizes reading and writing strategies tailored to corequisite <a href="#">ENG1021</a> (ENG121) coursework. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts. Prerequisite: This course has reading <a href="#">placement requirements</a> . Paired with <a href="#">ENG1021</a> (ENG121). (Contact hours-45) (3-0)
ENG110 ENG1010	3		Ensures that the student has achieved a high level of correctness, conciseness, and precision in language use and understands the principles of organizing ideas, providing adequate supporting data, and drawing logical conclusions. (Contact hours-45) (3-0)
ENG115 ENG1015	3		Focuses on the written and oral communication needs of students in vocational and technical fields. Enables the student to practice written, oral, reading, reasoning, and interpersonal communication skills in order to become successful (or to remain successful) in the workplace. Prerequisite: Successful completion of <a href="#">ENG0092</a> (ENG030 or 045 AND REA030 or 045 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
ENG121 ENG1021	3	<a href="#">GT-CO1</a>	Emphasizes planning, writing, and editing/revisions of compositions, coupled with development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-CO1 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (ENG090 AND REA090 or CCR092) (with a "C" grade or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
ENG122 ENG1022	3	<a href="#">GT-CO2</a>	Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-CO2 category</a> . Prerequisite: <a href="#">ENG1021</a> (ENG121) ("C" or better) or ACT Writing Score of 26. (Contact hours-45) (3-0)
ENG131 ENG1031	3	<a href="#">GT-CO1</a>	Develops skills one can apply to a variety of technical documents. Focuses on principles for organizing, writing, and revising clear, readable documents for industry, business, and government. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-CO1 category</a> . Prerequisites: Successful completion of <a href="#">ENG1021</a> (ENG030 or 045 AND REA 030 or 045 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
ENG175 ENG1075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)
ENG201 ENG2001	3	<a href="#">GT-CO3</a>	Provides students with skills necessary to enter into higher-level undergraduate academic discourse or professional workplace writing. <a href="#">ENG2001</a> (ENG201) extends students rhetorical knowledge and develops critical reading, thinking, and writing strategies in multiple specialized areas of discourse beyond what they encounter in <a href="#">ENG1022</a> (ENG122). In <a href="#">ENG2001</a> (ENG201), students deepen their rhetorical and writing skills by learning to analyze, synthesize, and summarize complex texts and incorporate this information into specific writing conventions for a defined discipline. As a more advanced composition course, <a href="#">ENG2001</a> (ENG201) provides interested students with the opportunity to continue their exploration of expository writing with the added benefit of learning to write for distinct audiences (format, language, level of specificity, length, and documentation style). Students will also learn effective editing and revising techniques, discipline-specific writing strategies, and how to extend their mastery of rhetorical strategies. While <a href="#">ENG2001</a> (ENG201) may be taught with the focus in a variety of disciplines (science writing, gender studies, literary criticism, writing in the humanities, business writing, political geography, philosophy, and so on), every discipline will allow students the opportunity to learn how to communicate with specialized audiences and adapt content to the needs of varying rhetorical situations. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-CO3 category</a> . (Contact hours-45) (3-0)

ENGLISH			
Course Number	Credits	GT Code	Description
ENG221 ENG2021	3		Teaches techniques for creative writing. Explores imaginative uses of language through creative genres (fiction, poetry, literary nonfiction) with emphasis on the student's own unique style, subject matter, and needs. Prerequisite: <a href="#">ENG1021</a> (ENG121) ("C" or better) OR instructor approval. (Contact hours-45) (3-0)
ENG222 ENG2022	3		Provides continued development of written expression in such forms as poetry, fiction, and/or nonfiction writing. Prerequisite: <a href="#">ENG2021</a> (ENG221) ("C" or better). (Contact hours-45) (3-0)

ENVIRONMENTAL SCIENCE			
Course Number	Credits	GT Code	Description
ENV101 ENV1111	4	<a href="#">GT-SC1</a>	Introduces the basic concepts of ecology and the relationship between environmental problems and biological systems. Includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. A holistic approach is used when analyzing how the foundations of natural sciences interconnect with the environment. This is a State Guaranteed Transfer Course in the <a href="#">GT-SC1 category</a> . (Contact hours-75) (3-2)

EQUINE MANAGEMENT			
Course Number	Credits	GT Code	Description
EQM101 EQM1001	1		Focuses on the routine daily care, grooming, feeding, stable sanitation, daily health, and feed records of horses. Prerequisite: EQM or stall facility. (Contact hours-150) (0-10)
EQM102 EQM1002	1		Builds on <a href="#">EQM1001</a> (EQM101) and continues focus on the routine daily care, grooming, feeding, stable sanitation, daily health, and feed records of horses. Prerequisite: EQM or stall facility. (Contact hours-150) (0-10)
EQM158 EQM1058	2		Introduces horse reproduction and the various breeding and management practices found on breeding farms. Covers physiology of the mare and stallion reproductive systems, care of the stallion and the mare, mare heat detection, breeding, care of pregnant mares, foaling, problems in the foal, and care of the foal and yearling. (Contact hours-30) (2-0)
EQM175 EQM1075	1 to 6		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-15 to 90)
EQM180 EQM1080	.25-10		Students are employed or work at home on an equine operation.
EQM201 EQM2001	1		Familiarizes the student with the routine daily care, grooming, feeding, stable sanitation, daily health, and feed records of horses. Prerequisite: EQM or stall facility (Contact hours-150) (0-10)
EQM202 EQM2002	1		Familiarizes the student with the routine daily care, grooming, feeding, stable sanitation, daily health, and feed records of horses. Prerequisite: EQM or stall facility (Contact hours-150) (0-10)
EQM210 EQM2010	2		Assists students in planning annual equine health programs. Introduces students to methods of prevention, recognition, and treatment of common equine diseases. (Contact hours-30) (2-0)
EQM211 EQM2011	1		Application of practical skills, methods, and techniques used to prevent and treat equine diseases and health problems. (Contact hours-23) (0-1.5)
EQM275 EQM2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)
EQM280 EQM2080	8		Students are employed or work at home on an equine operation. The work experience must cover a minimum of 320 hours with the student involved in all facets of this operation. Prerequisite: EQM major (Contact hours-320)
EQM285 EQM2085	1 to 6		Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor. Prerequisite: instructor approval (Contact hours-15 to 90)
EQM289 EQM2089	0.5		Covers information necessary for employment and job search skills. Students will receive instruction in resume writing and interviewing. Prerequisite: Sophomore Equine Students (Contact hours-8) (.5-0)

EQUINE TRAINING			
Course Number	Credits	GT Code	Description
EQT101 EQT1001	5		Introduces handling and care of horses. Basics of grooming, hoof care, showing at halter, equitation, and horsemanship will be covered. Prerequisite: EQM Major (Contact hours-135) (1-8)
EQT102 EQT1002	6		Covers an advanced level of horsemanship involving lead changes, turn arounds, and roll backs will be covered. Students that meet minimum skills requirements may continue into



## EQUINE TRAINING

Course Number	Credits	GT Code	Description
			specialized areas of riding. Prerequisite: <a href="#">EQT1001</a> (EQT101) ("C" or better) (Contact hours-150) (0-10)
EQT140 EQT1040	3		This is a riding intensive course designed to train the horse in the ranch horse versatility competitive events. Students will develop skills in the working cow horse, reining, ranch cutting, ranch trail, conformation, and ranch pleasure events. (Contact hours-60) (1-3)
EQT175 EQT1075	.25-10		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
EQT201 EQT2001	6		Covers halter breaking weanlings. Students will also receive instruction in longing, driving, saddling, and riding the two year old. Prerequisite: <a href="#">EQT1002</a> (EQT102) ("C" or better) (Contact hours-150) (0-10)
EQT202 EQT2002	6		Gives the student their final experience at starting and management of a young horse to meet the industry standards for which they are entering. Prerequisite: <a href="#">EQT2001</a> (EQT201) ("C" or better) (Contact hours-150) (0-10)
EQT240 EQT2040	3		Ranch Horse Versatility II is a continuation of Ranch Horse Versatility I. This is a riding intensive course designed to train the horse in the ranch horse versatility competitive events. Students will develop skills in the working cow horse, reining, ranch cutting, ranch trail, conformation, and ranch pleasure events. As a part of the course students will have the opportunity to travel and compete in industry competitive events. A focus of the course is to improve the level of individual skills and to gain experience in the show ring atmosphere. Prerequisite: <a href="#">EQT1040</a> (EQT140) ("C" or better) (Contact hours-60) (1-3)
EQT275 EQT2075	.25-10		Provides students with a vehicle to pursue in depth exploration of special topics of interest.

## ENGLISH AS A SECOND LANGUAGE

Course Number	Credits	GT Code	Description
ESL053 ESL0053	3-4		Reviews paragraph organization and develops the skill of writing essays using selected rhetorical modes. This course emphasizes accurate use of advanced grammatical structures. Includes summarizing, paraphrasing, and research writing. (Contact hours-45 to 60) (3 to 4-0)

## ESTHETICIAN

Course Number	Credits	GT Code	Description
EST110 EST1010	3		Provides a basic understanding of massage manipulations when providing facials and the study of skin in both theory and practical applications. Benefits derived from proper facial and good skin care routines. Training is conducted in a classroom or lab setting using mannequins or models. Prerequisite: <a href="#">COS1050</a> (COS150) ("C" or better) (Contact hours-60) (1-3)
EST111 EST1011	2		Covers theory and practical application pertaining to anatomy, skin disorders, skin types, and facial shapes. Students help patrons to select the proper skin care treatment. Practical and theory application can be done in specialized classes or supervised salon setting using models or customer service. Prerequisite: <a href="#">EST1010</a> (EST110) ("C" or better) (Contact hours-45) (0-3)
EST210 EST2010	2		Provides the student with advanced techniques in massage, skin care, and lash/brow tinting. Theory and practical procedures ready the student for employment. Instruction is provided in specialized classes or in a supervised salon (clinical) setting. Student preparation for State Board Licensing Examination Prerequisite: <a href="#">EST1011</a> (EST111) ("C" or better) (0-3)
EST211 EST2011	1		Provides instruction on cosmetics and their functions. The importance of color theory, facial types, and skin tones as they relate to facial makeup. Instruction from the basic makeup application to the corrective makeup procedure is taught. Disinfection and sanitation is taught as it pertains to all aspects of makeup. Prerequisite: <a href="#">EST1010</a> (EST110) ("C" or better) (Contact hours-22.5) (0-1.5)
EST212 EST2012	3		Provides in-depth study and practice of hair removal and the practice of patron protection and safety. Training for general waxing and body waxing procedures are provided. Demonstration of disinfection and sanitation as it pertain to Colorado rules and regulations will be practiced. Prerequisite: <a href="#">EST1011</a> (EST111) ("C" or better) (Contact hours-60) (1-3)

<b>FIRE SCIENCE TECHNOLOGY</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
FST100 FST1000	9		Addresses the requirements necessary to perform at the first level of progression as identified in National Fire Protection Association (NFPA) 1001, Firefighter Professional Qualifications. This is a lecture and lab course for meeting the NFPA 1001, level I, standard using IFSTA Essentials. (Contact hours-150) (4-6)
FST101 FST1001	3		Addresses the requirements necessary to perform at the second level of progression as identified in National Fire Protection Association (NFPA) 1001, Fire Fighter Professional Qualifications. This is a lecture and lab course for meeting the NFPA 1001, level II, standard. (Contact hours-45) (3-0)
FST102 FST1002	3		Provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government ; laws and regulations affecting the fire service; fire service nomenclature ; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. (Contact hours-45) (3-0)
FST105 FST1005	3		Provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of consideration and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. (Contact hours-45) (3-0)
FST107 FST1007	3		Introduces hazardous materials incidents, recognizing and identifying hazardous materials, planning response, implementing response procedures, decision making, and continued evaluation at the awareness and operation level. (Contact hours-45) (3-0)
FST110 FST1010	3		Addresses all aspects of the Fire Service entrance examination process and especially emphasizes various components of the exam, including the written, physical abilities, and oral interview. The objective of this class is to help increase the entrance firefighter candidates chance of obtaining a career in the Fire Service. (Contact hours-45) (3-0)
FST128 FST1028	3		Training in this course represents the highest level of operation at the rescue scene involving vehicle extrication. Students shall be capable of hazard recognition, equipment use, and techniques necessary to operate and effectively supervise at incidents involving persons injured or entrapped in a vehicle or machinery. (Contact hours-60) (1-3)
FST170 FST1070	1		Offers the clinical practicum to apply the related fire science technology. (Contact hours-15)
FST175 FST1075	1 to 12		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)
FST201 FST2001	3		Covers the role and responsibility of the fire service instructor. Includes oral communication skills, concepts of learning, planning and development of lesson plans, instructional materials and delivery methods, testing and evaluations, records and reports, and demonstration of instructional abilities. Fire Instructor I State Certificate is available. Prerequisite: <a href="#">FST1000</a> AND <a href="#">FST1002</a> (FST100 AND FST102) ("C" or better) OR instructor approval (Contact hours-45) (3-0)
FST202 FST2002	3		Provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment, and extinguishing agents on the fire ground. Prerequisites: <a href="#">FST1002</a> AND <a href="#">FST1007</a> (FST102 AND FST107) ("C" or better) OR instructor approval (Contact hours-45) (3-0)
FST209 FST2009	3		Provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection, and portable fire extinguishers. (Contact hours-45) (3-0)
FST253 FST2053	3		Focuses on the National Incident Management System including fire ground management and resource management. Multi-agency coordination systems and organization preparedness for large scale emergencies, communication, and information are addressed. The course concludes with a review of the National Response Plan. (Contact hours-45) (3-0)
FST259 FST2059	3		Focuses on management of uncontrolled fire burning, urban/wildland interface, strategy and tactics used in controlling wild land fires, prevention methods, and incident command practices. (Contact hours-45) (3-0)
FST280 FST2080	2		Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.(Contact hours-60)

<b>FIRE SCIENCE WILDLAND</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
FSW100 FSW1000	1		Provides instruction in the primary environmental factors that affect the start and spread of wildfire and recognition of potentially hazardous situations. This course can be taught in conjunction with or prior to Firefighting Training S-130. (Contact hours-15) (1-0)
FSW101 FSW1001	2		Provides entry-level firefighter skills. A version of the L-180, Human Factors on the Fire line, is included as part of the course. Credit should be issued for S-130. (Contact Hours-30) (2-0)

## GEOGRAPHY

Course Number	Credits	GT Code	Description
GEO105 GEO1005	3	<a href="#">GT-SS2</a>	Facilitates an understanding of spatial relationships between and among the geographic regions of the world. Includes demographic and cultural (political, economic, and historic) forces related to the physical environments of selected regions. Focuses on analysis of interrelationships between developed and developing regions and the interactions between human societies and natural environments. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS2 category</a> . (Contact hours-45) (3-0)
GEO106 GEO1006	3	<a href="#">GT-SS2</a>	Introduces geographic perspectives and methods with applications to the study of human activities. Emphasizes the distribution of humans, adjustments to the natural environment, and land use practices. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS2 category</a> . (Contact hours-45) (3-0)
GEO111 GEO1011	4	<a href="#">GT-SC1</a>	Examines the principles of Earth's physical processes, emphasizing landforms, soils, and hydrology. Examines the formation and distribution of landforms, such as mountains, valleys, and deserts, and their shaping by fluvial and other processes. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . (Contact hours-75) (3-2)
GEO112 GEO1012	4	<a href="#">GT-SC1</a>	Introduces the principles of meteorology, climatology, ecology, and regional climate classification. The course investigates the geographic factors which influence climate and ecosystems such as topography, elevation, winds, ocean currents, and latitude. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . (Contact hours-75) (3-2)
GEO275 GEO2075	1 to 6		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-15 to 90)

## GEOLOGY

Course Number	Credits	GT Code	Description
GEY111 GEY1111	4	<a href="#">GT-SC1</a>	Introduces the major topics of geology. Course content encompasses Earth's materials, structure, and surface landforms. Geologic time and the geologic processes responsible for Earth's internal and external features are covered. This course includes laboratory experience. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisites: Successful completion of REA090 or <a href="#">ENG0092</a> (CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisites: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (3-3)
GEY112 GEY1112	4	<a href="#">GT-SC1</a>	Covers the development of Earth through the vast span of geologic time. Emphasis is on the investigation and interpretation of sedimentary rocks and features, the record of ancient environments, fossil life forms, and physical events in Earth's history within the framework of plate tectonics. This course includes laboratory experience. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: Successful completion of REA090 or <a href="#">ENG0092</a> (CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisites: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact Hours-90) (3-3)
GEY175 GEY1075	.25-3		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact Hours-3.75 to 45)

## HISTORY

Course Number	Credits	GT Code	Description
HIS101 HIS1310	3	<a href="#">GT-HI1</a>	Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from the prehistoric era to 1650. Reflects the multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS102 HIS1320	3	<a href="#">GT-HI1</a>	Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from 1650 to the present. Reflects the multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS111 HIS1110	3	<a href="#">GT-HI1</a>	Enables the student to view history up to 1500 CE in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders, to provide a better appreciation for different cultures. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS112 HIS1120	3	<a href="#">GT-HI1</a>	Enables students to view history post 1500 CE in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)

## HISTORY

Course Number	Credits	GT Code	Description
HIS121 HIS1210	3	<a href="#">GT-HI1</a>	Explores events, trends, peoples, groups, cultures, ideas, and institutions in North America and United States history including the multiple perspectives of gender, class, and ethnicity between the period when Native American Indians were the sole inhabitants of North America and the American Civil War. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS122 HIS1220	3	<a href="#">GT-HI1</a>	Explores events, trends, peoples, groups, cultures, ideas, and institutions in United States History including the multiple perspectives of gender, class, and ethnicity between the period of the American Civil War and the present. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS175 HIS1075	1 to 5		Focuses on the exploration of current topics, issues, and activities related to one or more aspects of history. (Contact hours-5 to 75)
HIS203 HIS2140	3	<a href="#">GT-HI1</a>	Explores the causes, course, and consequences of the American Civil War, from the Colonial period to the 21st Century, in order to understand the multiple meanings of a transforming event in American history. Students will explore the meanings of the war as defined in many ways: national, sectional, racial, gender, constitutional, individual, social, intellectual, or moral. Students will closely examine four broad themes: the crisis of union and disunion in an expanding republic, slavery, race, and emancipation as national problem, personal experience, and social process, the experience of modern, total war for individuals and society, and the political and social challenges of Reconstruction. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS208 HIS2115	3	<a href="#">GT-HI1</a>	Analyzes historical and socio-cultural change for Native Americans from pre-colonial America to the present, emphasizing those processes and relations with non-Native Americans which have contributed to the current conditions. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS218 HIS2000	3	<a href="#">GT-HI1</a>	Explores the complex relationship between scientific and technological developments and western society and culture. Focuses on the way social and cultural norms can impact scientific or technological progress, and vice versa, especially in the period since the Scientific Revolution. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS225 HIS2135	3	<a href="#">GT-HI1</a>	Presents the story of the people, society, and cultures of Colorado from its earliest Native Americans, through the Spanish influx, the explorers, the fur traders and mountain men, the gold rush, the railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS235 HIS2130	3	<a href="#">GT-HI1</a>	Traces the history of the American West from the Native American cultures and the frontier experiences of America's earliest, eastern settlers, through the Trans-Mississippi West, across the great exploratory and wagon trails, and up to the present West, be it urban, ranching, reservation, resource management, or industrial. Emphasizes the north and central parts of the West. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS236 HIS2145	3	<a href="#">GT-HI1</a>	Focuses on the major political, economic, social, and cultural developments that have shaped modern America from 1945 to the present. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS247 HIS2015	3	<a href="#">GT-HI1</a>	Investigates the major political, social, and economic developments, international relationships, scientific breakthroughs, and cultural trends that have shaped the various global regions, empires, and nation-states since the late nineteenth century. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-HI1 category</a> . (Contact hours-45) (3-0)
HIS275 HIS2075	1 to 5		Focuses on the exploration of current topics, issues, and activities related to one or more aspects of history. (Contact hours-15 to 75)

## HORTICULTURE

Course Number	Credits	GT Code	Description
HLT100 HLT1000	4		Introduces students to the principles of the plant science as they relate to horticulture. The course emphasizes the application of plant sciences to the propagation, improvement, culture and utilization of horticultural plants. (Contact hours-75) (3-2)
HLT260 HLT2160	4		Teaches seed and vegetative plant propagation techniques, the biology underlying modern plant propagation practices, and their application in commercial plant production. (Contact hours-75) (3-2)

<b>HONORS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
HNR100 HNR1000	1		Develops skills in an interdisciplinary manner including: self-efficacy, college success, interdisciplinary connections, and critical and creative thinking. A primary goal is to develop a sense of community within the class. This course increases awareness of issues relating to diversity and leadership and explores techniques for successful honors academic performance. (Contact hours-15) (1-0)

<b>HUMAN PERFORMANCE AND EXERCISE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
HPE100 HPE1000	2		Focuses on the field of physical education and sport. Includes trends, precedents, and their effects in the health and total wellness of those involved. (Contact hours-30) (2-0)
HPE101 HPE1001	2		Acquaints the learner with the knowledge, requirements, and responsibilities of coaching, including sport philosophy, sport medicine, and sport management. Fulfills requirements for ASEP Leader Level I. (Contact hours-30) (2-0)
HPE102 HPE1002	2		Introduces the field of sports medicine, career options, and presents issues within the field. Emphasizes athletic training. (Contact hours-60) (2-0)
HPE175 HPE1075	1 to 6		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
HPE188 HPE1088	1 to 3		Provides the opportunity for students to observe and gain experience in the techniques used in an athletic training room. (Contact hours-15 to 45) (0-6)
HPE200 HPE2000	3		This course discusses the breadth, scope, and nature of the profession. It is an orientation to the history and philosophy of human performance and the factors that influence its evolution. Special consideration is giving to the history of sport from antiquity to the present, particularly the Olympic Games. (Contact hours-45) (3-0)
HPE231 HPE2031	3		Focuses on techniques in prevention, care, and basic rehabilitation of athletic injury. (Contact hours-45) (3-0)
HPE288 HPE2088	2		Builds on the opportunities provided in Athletic Training Practicum I. Students will continue to observe and perform professional skills under the supervision of a certified athletic trainer in a collegiate setting. Emphasis will be placed on record keeping, therapeutic modalities, and acute injury care. Practical experience may include athletic training room duties, work with low and high risk sports, male and female athletes, and observation of orthopedic surgeries.

<b>HEALTH PROFESSIONAL</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
HPR102 HPR1011	0.5		Meets the requirement for American Red Cross Professional Rescuer CPR or American Heart Association Basic Life Support for those who work in Emergency Services, Health Care, and other professional areas. Material presented in the course is basic patient assessment, basic airway management, rescue breathing, and CPR for infant, children, and adult patients. (Contact hours-7.5) (.5-0)
HPR108 HPR1010	1		Studies the basic nutritional principles in clinical practice in health care. The course will cover factors which influence the nutritional status of individuals, methods of nutritional assessment and support, and diet modification for specific disease states. (Contact hours-15) (1-0)
HPR139 HPR1039	2		Discusses the structure of medical terms with emphasis on using and combining prefixes, roots and suffixes. This class includes terms related to major body systems, oncology, and psychiatry, as well as clinical laboratory and diagnostic procedures and imaging, and provides accepted pronunciation and spelling of terms used in the healthcare setting. (Contact hours-30)
HPR175 HPR1075	.25 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-3.75 to 90)
HPR190 HPR1050	2		Provides instruction for interpretation of EKG strips, anatomy and physiology of the heart, and using three-lead monitoring as a guide. Twelve-lead EKG may be discussed. (Contact hours-30) (2-0)
HPR217 HPR2017	4		Focuses on mechanical principles of kinematics, kinetics, muscle physiology, neurophysiology, and the interaction to produce function. Joint and muscle structure and function with application is a main focus. (Contact hours-75) (3-2)

<b>HUMANITIES</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
HUM103 HUM1003	3	<a href="#">GT-AH2</a>	Studies the relationships among film's stylistic systems, narrative systems, and audience reception. Students view, discuss, and critically analyze a variety of films which represent a variety of genres and themes. The course incorporates the vocabulary of stylistic systems (for instance, cinematography, and editing) and narrative systems (for instance, story structure, and character motivation) as both relate to the kinds of meanings a film conveys. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
HUM115 HUM1015	3	<a href="#">GT-AH2</a>	Introduces students to the mythologies of various cultures. Common themes are illustrated and an interdisciplinary approach is used incorporating some of the following: religion, philosophy, art history, theater, literature, music, cultural studies, and history. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
HUM121 HUM1021	3	<a href="#">GT-AH2</a>	Introduces students to the history of ideas that have defined cultures through a study of the visual arts, literature, drama, music, and philosophy. It emphasizes connections among the arts, values, and diverse cultures including European and non-European, from the Ancient world to 1000 C.E. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) State Guaranteed Transfer Course. (3-0)
HUM122 HUM1022	3	<a href="#">GT-AH2</a>	Examines written texts, visual arts, and musical compositions to analyze and reflect the evolution and confluence of cultures in Europe, Asia, and the Americas from 800 C.E. to 1750 C.E. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
HUM123 HUM1023	3	<a href="#">GT-AH2</a>	Examines the cultures of the 17th through the 20th centuries by focusing on the interrelationships of the arts, ideas, and history. Considers the influences of industrialism, scientific development, and non-European peoples. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
HUM175 HUM1075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)
HUM275 HUM2075	1 to 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15 to 90)

<b>HEALTH &amp; WELLNESS</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
HWE100 HWE1050	3		Introduces basic principles of nutrition with emphasis on personal nutrition. Satisfies nutrition requirement of students entering health care professions. (Contact hours-45) (3-0)
HWE103 HWE1001	1		Prepares the student for certification in CPR and Basic First Aid. Skills will include basic life support, airway obstruction, control of bleeding, shock, and patient care for the unconscious. (Contact hours-15) (1-0)
HWE111 HWE1062	3		Studies health and fitness in the U.S. today. The course will look at personal health issues, managing stress, nutrition, and healthy lifestyles. (Contact hours-45) (3-0)
HWE117 HWE1003	1		Train the public and first responders on the most common mental disorders and mental health crises. Train first responders in the basic action steps to assist with the mental health issue. This course is not for the trained Mental Health Professional. (Contact hours-15) (1-0)
HWE124 HWE1061	2		Provides information on fitness and wellness and to serve as a guide to design, implement, and evaluate a complete personal fitness and wellness program. (Contact hours-30) (2-0)
HWE237 HWE2060	3		Discusses the concepts of improved performance in all fitness areas. Emphasis is placed upon updated information associated with nutrition and human performance. Measurement of body composition is used as it correlates to training and diet/exercise programs. (Contact hours-45) (3-0)

<b>INDUSTRIAL MAINTENANCE</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
IMA100 IMA1700	3		Provides an overall perspective and foundation for the person entering the industrial maintenance field. The fundamentals of machine operations commonly utilized in the process and energy industry will be presented. Maintenance personnel duties and responsibilities, general maintenance procedures, basic maintenance tools and equipment, basic fastening and securing and machine operating specifications will be covered. Emphasis will be placed upon the understanding of machine documentation. The student will be introduced to the logical process utilized in the diagnosis machinery and control system troubleshooting. Workplace safety will be stressed throughout the course. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("C" or better) (Contact hours-67.5) (1-3.5)

## INDUSTRIAL MAINTENANCE

Course Number	Credits	GT Code	Description
IMA120 IMA1500	3		Explains the theory, operation, and maintenance of rotating equipment found in industrial environments such as gears, bearings, pumps, and compressors. Mechanical power transmission systems including direct coupling, belt drives, and chain drives are studied. Alignment techniques are practiced and related to the impact on machine vibration and equipment failures. The principals involved in the operation of centrifugal and positive displacement pumps and compressors will be discussed along with the function of connected components. Prerequisites: <a href="#">IMA1700</a> (IMA100) (Contact hours-67.5) (1-3.5)
IMA160 IMA1400	3		Provides a basic understanding of fluid power through an exploration of its fundamental principles, how it's used in the process control industry, and how fluid power components are depicted in drawings and schematics. System inefficiencies are also covered. The course will cover hydraulic symbols and prints used in industry. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("C" or better) (Contact hours-67.5) (1-3.5)

## JOURNALISM

Course Number	Credits	GT Code	Description
JOU105 JOU1005	3	<a href="#">GT-SS3</a>	Places the mass media in a historical and cultural perspective, considering the validity, integrity, and influence of the media in a democracy. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
JOU106 JOU1006	3		Introduces newswriting, reporting and interviewing with an emphasis on clarity, accuracy, timeliness and fairness. (Contact hours-45) (0-3)
JOU225 JOU2025	3		Explores techniques in the latest delivery methods for internet-based journalism. Student explore digital media outlets such as blogs, audio and video podcasts, e-zines and social networks. Students create journalistic pieces for internet-based media, focusing on best journalistic practices, ethics of internet media, and technology emergence effecting digital journalism. Concepts in video production, photography, writing, sourcing, editing, and relevant skills necessary for the citizen journalist are introduced. Students create components for online news dissemination. (Contact hours-45) (3-0)
JOU231 JOU2031	3		Focuses on public relations and its role for the individual, the non-profit organization, business and government; research methodology, principles and practices necessary to become a public relations practitioner; and media channels best suited to a persuasive appeal or crisis. (Contact hours-45) (3-0)
JOU241 JOU2041	3		Focuses on trade, consumer, and technical publications, manuscript development with emphasis on nonfiction, submission techniques, and trends affecting the marketing of manuscripts both in print and digital media. (Contact hours-45) (3-0)

## LITERATURE

Course Number	Credits	GT Code	Description
LIT115 LIT1015	3	<a href="#">GT-AH2</a>	Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT175 LIT1075	1 to 3		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-15 to 45)
LIT201 LIT2001	3	<a href="#">GT-AH2</a>	Examines significant writings in world literature from the ancients to the seventeenth century. It emphasizes active reading and understanding of the works and their cultural backgrounds. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT202 LIT2002	3	<a href="#">GT-AH2</a>	Examines significant writings in world literature from the seventeenth century to the present. It emphasizes active reading and understanding of the works and their cultural backgrounds. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT205 LIT2005	3	<a href="#">GT-AH2</a>	Focuses on significant texts by ethnic Americans including African-American, Native American, Latino/a, and Asian Americans. Emphasizes careful reading and understanding of the cultural and literary elements of the works. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT211 LIT2011	3	<a href="#">GT-AH2</a>	Examines American literary works from pre-European arrival on the continent up to the Civil War, including works from diverse people that contributed to American literature. This course also explores historical and social contexts within various genres. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT212 LIT2012	3	<a href="#">GT-AH2</a>	Examines American literary works from 1865 to the present, distinguishing among literary themes, genres, and schools of thought that illustrate historical and social contexts across a multicultural spectrum. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)

LIT221 LIT2021	3	<a href="#">GT-AH2</a>	Examines major works of British literature from the Anglo-Saxon period through the 17th century. Explores the historical, political, and social contexts of the works as well as the major themes which reflect and/or critique the social assumptions and values of the times. Besides fostering an understanding of works essential to western culture, the course will examine how these works are still influential and relevant to contemporary thought and culture. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT222 LIT2022	3	<a href="#">GT-AH2</a>	Examines major works of British literature from the 18th century to the present. Explores the historical, political, and social contexts of the works and the major themes authors used to reflect and critique the social assumptions of their times. Besides fostering an understanding of works essential to western culture, the course examines how these works are still influential and relevant to contemporary thought and culture. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT225 LIT2025	3	<a href="#">GT-AH2</a>	Explores works by William Shakespeare, focusing on a careful reading of these works as well as an exploration of pertinent contextual and historical information. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH2 category</a> . (Contact hours-45) (3-0)
LIT255 LIT2055	3		Evaluates the criteria for selecting appropriate literature for children through exploration of genres, age levels, values taught through literature, and the literary and artistic quality of various texts. (Contact hours-45) (3-0)
LIT275 LIT2075	1 to 3		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-15 to 45)

## MANAGEMENT

Course Number	Credits	GT Code	Description
MAN128 MAN1028	3		(Core Course for A.G.S. or A.A.S.) Explores the importance of effective communication in our personal lives as well as in the world of business. Practical business applications such as employee motivation, handling customer complaints, and effectively resolving conflict in the workplace will be a major part of the curriculum. (Contact hours-45) (3-0)
MAN200 MAN2000	3		Provides the student with a broad overview of the contemporary issues, theories, and principles used to effectively manage human resources. Topics include recruiting, hiring, compensation and benefits, training and development, employee relations, and legal issues. (Contact hours-45) (3-0)
MAN215 MAN2015	3		Examines the behaviors of groups and individual members of organizations and how that behavior can be influenced. Course emphasis is on the tools managers use to achieve organizational effectiveness. (Contact hours-45) (3-0)
MAN226 MAN2026	3		Presents a survey of the principles of management. Emphasis is on the primary functions of planning, organizing, leading, and controlling with a balance between the behavioral and operational approach. (Contact hours-45) (3-0)

## MARKETING

Course Number	Credits	GT Code	Description
MAR111 MAR1011	3		Enables the student to understand and develop proper sales techniques, and covers the role of selling in the market place. Areas of emphasis include behavioral considerations in the buying and selling process and sales techniques. Prerequisite: <a href="#">BUS1015</a> (BUS115) ("C" or better) (Contact hours-45) (3-0)
MAR155 MAR1055	3		Focuses on the use of social media as a business strategy and how to match strategy with the goals of the business. This course compares social media marketing with traditional marketing and explores online best practices to further business goals.
MAR216 MAR2016	3		Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion, distribution, and their applications to businesses and the individual consumer. (Contact hours-45) (3-0)

## MATH

Course Number	Credits	GT Code	Description
MAT0140 MAT0140	1-3		Supports skill development necessary for success within Career Math. (Contact hours-15 to 45) (1-3-0) (This course replaces AAA078)
MAT0240 MAT0240	1-3		Supports skill development necessary for success within Math for Liberal Arts. (Contact hours-15 to 45) (1-3-0) (This course replaces MAT080)
MAT025 MAT0200	1		Supports skill development in students registered in <a href="#">MAT0300</a> (MAT055) Algebraic Literacy. Topics covered in this course include those defined in <a href="#">MAT0300</a> (MAT055) and any prerequisite skills needed by the student.
MAT0260 MAT0260	1-3		Supports skill development necessary for success within Introduction to Statistics. (Contact hours-15 to 45) (1-3-0) (This course replaces MAT085)
MAT0340 MAT0340	1-3		Supports skill development necessary for success within College Algebra. (Contact hours-15 to 45) (1-3-0) (This course replaces MAT081)



## MATH

Course Number	Credits	GT Code	Description
MAT050 MAT0250	4		Develops number sense and critical thinking strategies, introduce algebraic thinking, and connects mathematics to real world applications. Topics in the course include ratios, proportions, percent, measurement, linear relationships, properties of exponents, and math learning strategies. This course prepares students for Math in Liberal Arts, Statistics, Integrated Math, and college level career math courses. Prerequisite: This course has math <a href="#">placement requirements</a> . (Contact hours-60) (4-0)
MAT055 MAT0300	4		Develops algebraic skills necessary for manipulating expressions and solving equations. Topics in the course include radicals, complex numbers, polynomials, factoring, rational expressions, quadratic equations, absolute value equations, systems of linear equations in two variables, related applications, and linear inequalities. This course prepares students for <a href="#">MAT1340</a> (MAT121) College Algebra and <a href="#">MAT1320</a> (MAT123) Finite Math. Prerequisite: Appropriate <a href="#">placement score</a> . (Contact hours-60) (4-0)
MAT102 MAT1100	2		Provides a review of general mathematics, introductory algebra, systems of measurements, and methods of solving problems related to skilled trades and general industrial repair. It is designed for students in the repair industry. Topics may include algebra, geometry, graphs, measurement, and conversion between various systems of measurement. Prerequisite: Successful completion of <a href="#">MAT0250</a> (MAT030, 045, or 050) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-30) (2-0)
MAT103 MAT1120	3		Covers the mathematical calculations needed for enteral and parenteral medication administration. It is designed for students in the health disciplines. Topics include measurements, conversion between various systems of measurements, and methods of solving problems related to drug dosage and medication administration. Prerequisite: Successful completion of <a href="#">MAT0250</a> (MAT050) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
MAT107 MAT1140	3		Agriculture Emphasis - Covers material designed for career and technical students who need to study particular mathematical topics. Topics include measurement, algebra, geometry, statistics, and graphs. These are presented at an introductory level and the emphasis is on applications. Prerequisite: Successful completion of <a href="#">MAT0250</a> (MAT050) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
MAT112 MAT1160	3		Covers the fundamentals of financial mathematics. Topics including pricing, taxes, insurance, interest, annuities, amortization, investments. (Contact hours-45) (3-0)
MAT120 MAT1240	4	<a href="#">GT-MA1</a>	Highlights connections between mathematics and the society in which we live and is intended for liberal arts majors. Topics include set theory and logic, mathematical modeling, probability and statistical methods and consumer mathematics. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT0250</a> (MAT050) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-60) (4-0)
MAT121 MAT1340	4	<a href="#">GT-MA1</a>	Focuses on a variety of functions and exploration of their graphs. Topics include: equations and inequalities, operations on functions, exponential and logarithmic functions, linear and non-linear systems and an introduction to conic sections. This course provides essential skills for Science, Technology, Engineering and Math (STEM) pathways. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT0300</a> (MAT055) ("C" or higher) OR appropriate <a href="#">placement score</a> . (Contact hours-60) (4-0)
MAT122 MAT1420	3	<a href="#">GT-MA1</a>	Explores trigonometric functions, their graphs, inverse functions and identities. Topics include: trigonometric equations, solutions of triangles, trigonometric form of complex numbers, and polar coordinates. This course provides essential skills for Science, Technology, Engineering and Math (STEM) pathways. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT1340</a> (MAT121) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
MAT123 MAT1320	4	<a href="#">GT-MA1</a>	Covers topics including functions, matrix algebra, linear programming, and an introduction to probability and counting techniques. Emphasis is on applications. This course may include other topics such as statistics when time permits. This course is primarily intended for business, life science, or social science majors. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> .
MAT125 MAT1400	4	<a href="#">GT-MA1</a>	Includes derivatives, integrals, and their applications with attention restricted to algebraic, exponential, and logarithmic functions for business, life science, and/or social science majors. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT1340</a> or <a href="#">MAT1320</a> (MAT121 or MAT123) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-60) (4-0)
MAT135 MAT1260	3	<a href="#">GT-MA1</a>	Introduces descriptive and inferential statistics, with an emphasis on critical thinking and statistical literacy. Topics include methods of data collection, presentation and summarization, introduction to probability concepts and distributions, and statistical inference of one and two populations. This course uses real world data to illustrate applications of a practical nature. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . (Contact hours-45) (3-0) A.A. & A.G.S. Degrees only.

## MATH

Course Number	Credits	GT Code	Description
MAT155 MAT1220	3	<a href="#">GT-MA1</a>	Engages students in the concepts underlying elementary mathematics. The course emphasizes critical thinking and applications. Topics include the structure of number systems, an analysis of numerical operations, set properties, numerical and geometric patterns, and a variety of problem solving skills. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT0250</a> (MAT050) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-45) (3-0)
MAT156 MAT1230	3	<a href="#">GT-MA1</a>	Engages students in the concepts underlying elementary level mathematics. The course emphasizes critical thinking and applications. Topics include probability, statistics, measurement, Euclidean geometry, and algebraic methods. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT1220</a> (MAT155) ("C" or better). (Contact hours-45) (3-0)
MAT166 MAT1440	5	<a href="#">GT-MA1</a>	Extends algebraic concepts and explores the subject of trigonometry. Topics include: polynomial, rational, logarithmic, and exponential functions, trigonometric and inverse trigonometric functions and their graphs, trigonometric identities, and applications. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: Successful completion of <a href="#">MAT1340</a> (MAT121) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-75) (5-0)
MAT175 MAT1075	1 to 3		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
MAT201 MAT2410	5	<a href="#">GT-MA1</a>	Introduces single variable calculus and analytic geometry. Includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisites: Successful completion of <a href="#">MAT1340</a> and <a href="#">1420</a> (MAT121 and 122) or <a href="#">MAT1340</a> and <a href="#">1440</a> (MAT121 and 166 ) ("C" or better) OR appropriate <a href="#">placement score</a> . (Contact hours-75) (5-0)
MAT202 MAT2420	5	<a href="#">GT-MA1</a>	Continues the study of single variable calculus, which will include techniques of integration, analytic geometry, improper integrals, convergence of infinite numerical series and power series. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: <a href="#">MAT2410</a> (MAT201) ("C" or better) OR instructor approval. (Contact hours-75) (5-0)
MAT203 MAT2430	4	<a href="#">GT-MA1</a>	Focuses on the traditional subject matter of multivariable Calculus. Topics include vectors, vector-valued functions, partial derivatives, analytic geometry, multiple integrals, line integrals and applications. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: <a href="#">MAT2420</a> (MAT202) ("C" or better) (Contact hours-60) (4-0)
MAT261 MAT2561	4	<a href="#">GT-MA1</a>	Introduces ordinary differential equations. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations and Laplace transforms with an additional emphasis on engineering applications, and Laplace transforms with an additional emphasis on engineering applications and problem solving. Appropriate technology related to the mathematical field may be used as a component of the course. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> . Prerequisite: <a href="#">MAT2430</a> (MAT203) ("C" or better). (Contact hours-60) (4-0)
MAT265 MAT2560	3	<a href="#">GT-MA1</a>	Explores techniques of problem solving and applications. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-MA1 category</a> .
MAT266 MAT2562	4		Explores ordinary differential equations with an introduction to select topics in linear algebra. Course covers first and second order differential equations, series solutions, Laplace transforms, linear algebra, eigenvalues, first order systems of equations, and numerical techniques for solving differential equations.

## MULTIMEDIA GRAPHIC DESIGN

Course Number	Credits	GT Code	Description
MGD102 MGD1002	3		Introduces the basic components of multimedia: text, graphics, animation, sound, and video. Students gain an introductory knowledge of various multimedia and design software programs. Students gain hands-on, technical, conceptual and aesthetic experience pertaining to the creation of multi-dimensional design and time-based media via an array of projects and demonstrations. Students will be introduced to career opportunities within multimedia fields. (Contact hours-45) (3-0)
MGD104 MGD1004	3		Offers an introduction to the principles and techniques of videotape production, including camera operation, basic script writing, lighting, sound and basic digital editing. Detailed examination of the pre-production, production, and post-production processes, as well as aesthetics, will be included. (Contact hours-45) (0-3)

<b>MULTIMEDIA GRAPHIC DESIGN</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
MGD111 MGD1011	3		Concentrates on the high-end capabilities of a raster photo-editing software as an illustration, design, and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics, and videos. (Contact hours-45) (3-0)
MGD112 MGD1012	3		Acquaints students with the processes of a vector drawing program on the computer. Students learn how to use the tools to create digital artwork that can be used in web design, print media, and digital screen design. (Contact hours-45) (3-0)
MGD114 MGD1013	3		Introduces students to InDesign, a page layout program which integrates seamlessly with other Adobe design programs. InDesign delivers creative freedom and productivity to DTP. Class discussions and independent projects supplement hands-on classroom work. (Contact hours-45) (3-0)
MGD133 MGD1033	3		Focuses upon the study of design layout and conceptual elements concerning graphic design projects such as posters, advertisements, logos, and brochures. (Contact hours-45) (3-0)
MGD141 MGD1041	3		Introduces web site planning, design, and creation using industry standards-based web site development tools. Screen-based color theory, web aesthetics, use of graphics editors, and intuitive interface design are explored. (Contact hours-45) (3-0)
MGD143 MGD1043	3		Explores the creation of animation and dynamic media for web and multimedia applications, conforming to professional standards. Emphasizes the manipulation of time-based media using key-frames, tweens and other technologies related to the specific software being utilized. Also examines the use of scripts to trigger timeline events and create basic interactive behavior. (Contact hours-45) (3-0)
MGD211 MGD2011	3		Develops and reinforces image composition techniques learned in Adobe Photoshop I, MGD 111. Fundamentals are continuously reinforced as new design techniques are introduced. (Contact hours-45) (3-0)

<b>MILLWRIGHT - WIND TECHNOLOGY</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
MIL101 MIL1001	1		Introduces the student to the types of rigging/lifting devices used in industry. Skills include the correct use of slings and common rigging hardware, including safe loading practices and the use of ANSI hand signals. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("C" or better). (Contact hours-22.5) (0.5-1)

<b>MUSIC</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
MUS100 MUS1000	3		Designed to help the beginning music student, or those students with a limited background in music theory, study the basic elements of music including notation, rhythm, scales, key signatures, intervals and chords. (Contact hours-45) (3-0)
MUS106 MUS1006	3		Examines the various processes and styles of songwriting and offers techniques and ideas for creating songs ranging from functional to original. You will explore the common factors in all styles of songwriting and use them to bring out creative song ideas whether you have written songs before or have just always wanted to see if you could. A basic knowledge of music reading for any instrument and elementary music theory is recommended, but not required. (Contact hours-45) (3-0)
MUS110 MUS1010	3		Presents music fundamentals, diatonic four-part harmony, analysis, ear training, and keyboard harmony. For music majors transferring to a 4-year program. Prerequisite: <a href="#">MUS1000</a> (MUS100) ("C" or better) OR instructor approval. (Contact hours-45) (3-0)
MUS111 MUS1011	3		Presents chromatic four-part harmony, analysis, ear training, and keyboard harmony. Prerequisites: <a href="#">MUS1010</a> & <a href="#">MUS1012</a> (MUS110 & MUS112) ("C" or better). (Contact hours-45) (3-0)
MUS112 MUS1012	1		Presents exercises in sight-singing with melodic and rhythmic dictation. Prerequisite: instructor approval. Corequisite: <a href="#">MUS1010</a> (MUS110) (Contact hours-15) (1-0)
MUS113 MUS1013	1		Presents exercises in sight-singing with melodic and rhythmic dictation. Prerequisite: <a href="#">MUS1012</a> (MUS112) ("C" or better). Corequisite: <a href="#">MUS1011</a> (MUS111) (Contact hours-15) (1-0)
MUS120 MUS1020	3	<a href="#">GT-AH1</a>	Covers the basic materials of music, musical forms, media, genres, and musical periods. Emphasizes the development of tools for intelligent listening and appreciation. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
MUS121 MUS1021	3	<a href="#">GT-AH1</a>	Studies the various periods of music history with regard to the composers, esthetics, forms, and genres of each period. Considers music from the Middle Ages through the Classical period. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)

## MUSIC

Course Number	Credits	GT Code	Description
MUS122 MUS1022	3	<a href="#">GT-AH1</a>	Studies the various periods of music history with regard to the composers, aesthetics, forms, and genres of each period. Considers music from the early Romantic period to the present. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
MUS123 MUS1023	3	<a href="#">GT-AH1</a>	Provides an overview of non-Western music from around the world as well as provides basic listening skills and the historical-cultural context for a variety of world music styles to enable an understanding and appreciation of non-Western musical expression. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
MUS125 MUS1025	3	<a href="#">GT-AH1</a>	Provides a survey of the basic materials of music and the forms, media, genres, historical, and cultural style periods of jazz. It emphasizes the development of tools for intelligent listening and appreciation. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
MUS127 MUS1027	3		Provides an overview of cinema music from the origins of film to the present. This course covers basic listening skills, basics of how music is used in film, and a historical-cultural context for Western and world cinematic styles to enable an understanding and appreciation of musical expression in film. (Contact hours-45) (3-0)
MUS131 MUS1031	2		Provides group instruction in music, introducing basic techniques, repertoire, and sight-reading. (Contact hours-30) (0-2)
MUS141 MUS1041	1-2		1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. First year, first term. (Contact hours-7.5 to 15) (0.5-1)
MUS142 MUS1042	1-2		1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4 year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at and participation in student performances is required for 2 credits. First year, second term. (Contact hours-7.5 to 15) (0.5-1)
MUS151 MUS1051	1		First year, first term. Rehearses and performs various types of musical literature. Prerequisite: instructor approval. (Contact hours-45) (0-3)
MUS152 MUS1052	1		Rehearses and performs various types of musical literature. First year, second term. Prerequisite: instructor approval. (Contact hours-45) (0-3)
MUS153 MUS1053	1		Rehearses and performs various types of musical literature. First year, third term. Prerequisite: instructor approval. (Contact hours-45) (0-3)
MUS154 MUS1054	1		Rehearses and performs various types of musical literature. First year, fourth term. Prerequisite: instructor approval. (Contact hours-45) (0-3)
MUS161 MUS1061	3		Considers in-depth music engraving applications through course projects designed to demonstrate engraving skills in a variety of score styles, arranging, part extraction, arranging, and scanning techniques. Project oriented course covers current music notation-engraving software. (Contact hours-45) (3-0)
MUS163 MUS1063	3		Designed to give music majors and students with a strong interest in music a basic understanding of the Music Production process. This includes the basic knowledge of audio/music production, the fundamentals of sound and microphone, digital and analog technology, recording, and mixing. (Contact Hours-45) (3-0)
MUS164 MUS1064	3		Designed to build on the concepts of <a href="#">MUS1063</a> (MUS163), this class will be more project oriented with emphasis on using the techniques discussed in <a href="#">MUS1063</a> (MUS163). An emphasis on critical listening through each phase of the recording process will be made. (Contact hours-45) (3-0)
MUS167 MUS1067	3		Designed to give music students, or those students with a strong interest in business and music, a complete overview and in-depth examination of the current, historic, and projected business practices in the music industry. Designed to give music majors and students with a strong interest in music a basic understanding of the Music Production process. (Contact hours-45) (3-0)
MUS168 MUS1068	3		Explores the steps in audio production following initial sound capture and overdubbing of sound. Key concepts include sound design, mixing, and addition of effects. Integration of music with picture is also discussed and key concepts such as automatic dialogue replacement, Foley, score, and voiceover recording are covered. (Contact hours-45) (3-0)
MUS175 MUS1075	1 - 6		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. Prerequisite: instructor approval. (Contact hours-15 to 90)
MUS210 MUS2010	3		Continues study of four-part music including extended harmonic progressions of ninth, eleventh, thirteenth chords, extended alteration, non-chord tones, modulation, and compositions. Prerequisite: <a href="#">MUS1011</a> and <a href="#">MUS1013</a> (MUS111 and MUS113). (Contact Hours-45) (3-0)
MUS211 MUS2011	3		Offers a continuation of chromatic harmony, analysis, ear-training, and keyboard harmony. New topics will include Impressionism and 20th Century styles of composition. Prerequisite: <a href="#">MUS2010</a> and <a href="#">MUS2012</a> (MUS210 and MUS212). (Contact Hours-45) (3-0)
MUS212 MUS2012	1		Presents modulating and chromatic exercises in sight-singing and dictation. Dictation includes four-part writing. Corequisite: <a href="#">MUS2010</a> (MUS210). (Contact Hours-15) (1-0)

<b>MUSIC</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
MUS213 MUS2013	1		Presents modulating and chromatic exercises in sight-singing and dictation. Dictation includes four-part writing. Prerequisite: <a href="#">MUS2012</a> (MUS212) or instructor approval. (Contact Hours-15) (1-0)
MUS241 MUS2041	1-2		1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4-year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at, and participation in, student performances is required for 2 credits. Second year, first term. (Contact Hours-7.5 to 15) (0.5-1)
MUS242 MUS2042	1-2		1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4-year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at, and participation in, student performances is required for 2 credits. Second year, second term. (Contact Hours-7.5 to 15) (0.5-1)
MUS243 MUS2043	1-2		1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4-year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at, and participation in, student performances is required for 2 credits. Second year, third term. Prerequisites: Class instruction or instructor approval. (Contact Hours-7.5 to 15) (0.5-1)
MUS244 MUS2044	1-2		1 credit primarily for non-music majors. 2 credits for music majors planning to transfer to 4-year school. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for 1 credit. Regular attendance at, and participation in, student performances is required for 2 credits. Second year, fourth term. May be repeated for credit more than once per individual institution policy. Prerequisites: Class instruction or instructor approval. (Contact Hours-7.5 to 15) (0.5-1)
MUS251 MUS2051	1		Rehearses and performs various types of musical literature. Second year, first term. Prerequisite: instructor approval. (Contact Hours-45) (0-3)
MUS252 MUS2052	1		Rehearses and performs various types of musical literature. Second year, second term. Prerequisite: instructor approval. (Contact Hours-45) (0-3)
MUS253 MUS2053	1		Rehearses and performs various types of musical literature. Second year, third term. Prerequisite: instructor approval. (Contact Hours-45) (0-3)
MUS254 MUS2054	1		Rehearses and performs various types of musical literature. Second year, fourth term. Prerequisite: instructor approval. (Contact Hours-45) (0-3)
MUS265 MUS2065	3		Teaches the concepts and technical skills of live sound reinforcement. Topics include basic audio concepts, the operation and interconnection of a sound system, signal processing, and live sound recording. Students will participate in special class projects and live sound sessions. (Contact Hours-45) (3-0)
MUS275 MUS2075	1-6		Covers specific topics in music. This course is offered as needed for credit appropriate to the topic and each offering includes a description of the topic(s). Prerequisite: instructor approval. (Contact hours-15 to 90)

<b>NAIL TECHNICIAN</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
NAT110 NAT1010	3		Provides a basic introduction in the proper use of implements used in manicures and pedicures. Theory and practical application of proper set-up, safety, sanitation, nail shapes, anatomy, product knowledge, and terminology dealing with manicures and pedicures is covered. Training is done in a classroom or lab setting using models or other techniques. Prerequisite: <a href="#">COS1050</a> (COS150) ("C" or better). (Contact hours-60) (1-3)
NAT111 NAT1011	2		Presents theory and practical application dealing with different types of manicures, pedicures, nail art, and massage techniques. Theory and practical application of procedures, products, nail shapes, and maintenance of natural nails is covered. Students learn to recognize different nail disorders and their proper treatment. Training is done in a specialized class or in supervised salon setting using models or customer service. Proper sanitation and sterilization as it pertains to all aspect of manicures, pedicures, and nail art is taught. Prerequisite: <a href="#">NAT1010</a> (NAT110) ("C" or better). (Contact hours-45) (0-3)
NAT210 NAT2010	2		Presents theory and practical application dealing with different types of manicures, pedicures, massage techniques, and nail art. Theory and practical application of procedures, products, nail shapes, and maintenance of natural nails is covered. Students learn to recognize different nail disorders and their proper treatment. Training is done in a specialized class or in supervised salon setting using models or customer service. Prerequisite: <a href="#">NAT1011</a> (NAT111) ("C" or better) (Contact hours-45) (0-3)
NAT211 NAT2011	5		Provides advanced theory and practical application of nail wraps, tip overlays, acrylics, and product knowledge to ready the student for employment. Theory and practical application of removal techniques for artificial nails is covered. Instruction is provided in specialized classes or in supervised salon (clinical) setting using models or customer service. Student preparation for State Board Licensing Examination pertaining to artificial nails is covered. Prerequisite: <a href="#">COS1060</a> (COS160) ("C" or better) (Contact hours-105) (1-6)

## NAIL TECHNICIAN

Course Number	Credits	GT Code	Description
NAT290 NAT2090	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact Hours-19) (7.4-11.5)

## NURSE AIDE

Course Number	Credits	GT Code	Description
NUA101 NUA1001	4		Prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, communication skills, restorative services, personal care skills, safety, and emergency care issues are covered. Includes knowledge and/or principles of asepsis, OSHA, and HIPAA regulations. Ethical behaviors, cultural sensitivity, and principles of mental health will be addressed as well as patient-resident rights. (Contact hours-64) (4-0)
NUA102 NUA1002	0.5		Helps prepare the student for the National Nurse Aide Assessment Program (NNAAP) examination. (Contact hours-15) (0-0.5)
NUA170 NUA1070	1		Applies knowledge gained from <a href="#">NUA1001</a> (NUA101) to patient care. Prerequisite: satisfactory progress in <a href="#">NUA1001</a> (NUA101). (Contact hours-32) (0-1)

## NURSING

Course Number	Credits	GT Code	Description
NUR101 NUR1001	1		Prepares nurse to provide safe, patient-centered nursing care related to dosage calculations within the respective scope of practice. This course introduces critical thinking applied to dosage calculations and communication used when interacting with patients and members of the healthcare team related to various aspects of safe administration of medications. Information technology used to document medications administered and patient technology used to deliver medications are also practiced.
NUR106 NUR1006	7		NUR1006 (NUR106) is the first medical/surgical nursing course. Building on <a href="#">NUR1009</a> (NUR109), this course provides for the acquisition of basic medical/surgical nursing theory as well as application of mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe patient-centered care to a developmentally and culturally diverse adult patient population experiencing various medical/surgical interventions. Incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the nurse. Application of knowledge and skills occurs in the nursing skills laboratory and a variety of clinical settings. Prerequisite: Successful completion of first semester of the ADN program. Satisfactory completion of <a href="#">BIO2104</a> (BIO204) Microbiology, <a href="#">MAT1120</a> (MAT103) Math for Clinical Calculations or higher level math course, and social science elective. Student must also have completed or be enrolled in <a href="#">BIO2116</a> (BIO216) Pathophysiology. Successful completion of preceding required program course work. (Theory: 3.4cr= 51 contact hours; Lab: 0.3cr= 13.5 contact hours; Clinical: 3.3cr= 148.5 contact hours) (3.4-0.3-3.3)
NUR109 NUR1009	6		NUR1009 (NUR109) introduces the fundamental concepts necessary for safe, patient centered nursing care to a diverse patient population while integrating legal and ethical responsibilities of the nurse. Introduces caring, critical thinking, the nursing process, quality improvement, communication used when interacting with patients and members of the interdisciplinary team, and relates evidence-based nursing practice. Application of knowledge and skills occurs in the nursing skills laboratory and a variety of clinical settings providing care to stable patients with common health alterations. Prerequisite: Acceptance into ADN program. (Theory: 2cr= 30 contact hours; Lab: 2cr= 90 contact hours; Clinical: 2cr= 90 contact hours) (2-2-2)
NUR112 NUR1012	2		NUR1012 (NUR112) is an overview of the basic principles of pharmacology including major drug classifications and prototypes of commonly used medications. Principles of medication administration include aspects of best practice for safe, quality, patient-centered care. Central points include safety, quality improvement factors in the administration of medications, patient teaching, and variation encountered when administering medications to diverse patient populations across the lifespan. Prerequisite: Acceptance into ADN program. (Theory: 2cr= 30 contact hours) (2-0-0)
NUR150 NUR1050	6		NUR1050 (NUR150) provides for the acquisition of maternal/child nursing theory as well as application of mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, family centered nursing care to childbearing families and children that is developmentally and culturally appropriate. Incorporates evidence-based practice, standards of practice, quality improvement, and legal and ethical responsibilities of the nurse. Application of knowledge and skills occurs in the nursing skills laboratory and in a variety of maternal/child and pediatric clinical settings. Prerequisite: Satisfactory completion of first semester of the ADN program. Satisfactory completion of <a href="#">BIO2104</a> (BIO204) Microbiology, <a href="#">MAT1120</a> (MAT103) Math for Clinical Calculations or higher level math course, and social science elective. Student must also have completed or be enrolled in <a href="#">BIO2116</a> (BIO216) Pathophysiology. Successful completion of preceding

<b>NURSING</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
			required program course work. (Theory: 3.3cr= 49.5 contact hours; Lab: 0.7cr= 31.5 contact hours; Clinical: 2cr= 90 contact hours) (3.3-0.7-2)
NUR169 NUR1069	4		Facilitates the transition into the role of the practical nurse with emphasis on distinguishing the defined practical nurse scope of practice related to clinical practice, communication, nursing process, ethical/legal issues, and leadership skills. The student practices in the role of the practical nurse in the associated clinical experience. (Contact hours-120)
NUR176 NUR1076	1		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
NUR189 NUR1089	3		Facilitates transition of the LPN to new roles and responsibilities of the ADN, the nursing process, critical thinking, legal and ethical issues in nursing practice, and the nursing care of childbearing families and pediatric clients. Application of knowledge and skills occurs in the laboratory and maternal/child and pediatric clinical settings. (2-0.5-0.5)
NUR206 NUR2006	6.5		NUR2006 (NUR206) builds on <a href="#">NUR1006</a> (NUR106) focusing on advanced concepts of nursing applied to care of patients with high acuity medical/surgical conditions. Builds on medical/surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, patient-centered nursing care to developmentally and culturally diverse adult patients. Incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse as applied in a variety of healthcare settings. Application of knowledge and skills occurs in the nursing skills laboratory and in a variety of clinical settings. Prerequisite: Successful completion of the first year of ADN course work to include successful completion of <a href="#">BIO2116</a> (BIO216) Pathophysiology, <a href="#">BIO2104</a> (BIO204) Microbiology, <a href="#">MAT1120</a> (MAT103) Math for Clinical Calculations or higher level math course, and 3 credits of social science elective. (Theory: 3cr= 45 contact hours; Lab: .5cr= 22.5 contact hours; Clinical: 3cr= 135 contact hours.) (3-0.5-3)
NUR211 NUR2011	4		NUR2011 (NUR211) develops concepts of psychosocial integrity and emphasizes the function and responsibility of nursing in promoting and maintaining mental health of individuals and families. This course emphasizes communication and caring through the application of the therapeutic relationship and nursing process in the care and treatment of common psychiatric clinical conditions/disorders. Prerequisite: Successful completion of the first year of ADN course work to include successful completion of <a href="#">BIO2116</a> (BIO216) Pathophysiology, <a href="#">BIO2104</a> (BIO204) Microbiology, <a href="#">MAT1120</a> (MAT103) Math for Clinical Calculations or higher level math course, and 3 credits of social science elective. (Theory: 2.7 cr/40.5 contact hrs, Clinical: 1.3 cr/58.5 contact hrs.) (2.7-0-1.3)
NUR212 NUR2012	2		NUR2012 (NUR212) builds on previously introduced pharmacological concepts and applies that learning to pharmacologic therapy to provide safe, quality, evidence-based nursing care to patients with complex healthcare needs. Focuses on safety and quality improvement factors in the administration of medications within a variety of healthcare systems. Advanced dosage calculations included. Prerequisite: Successful completion of the first year of ADN course work to include successful completion of <a href="#">BIO2116</a> (BIO216) Pathophysiology, <a href="#">BIO2104</a> (BIO204) Microbiology, <a href="#">MAT1120</a> (MAT103) Math for Clinical Calculations or higher level math course, and 3 credits of social science elective. Successful completion of preceding required program course work. (Theory 2cr= 30 contact hours.) (2-0)
NUR216 NUR2016	5		NUR2016 (NUR216) is a continuation of <a href="#">NUR2006</a> (NUR206), focusing on complex medical/ surgical conditions of the high acuity patient. Builds on medical/surgical nursing theory, mental health concepts, communication, collaboration, caring, and critical thinking/clinical reasoning necessary for safe, patient centered nursing care to developmentally and culturally diverse adult patients experiencing high acuity medical/surgical conditions. Incorporates evidence-based practice, quality improvement, professional standards, and legal and ethical responsibilities of the professional nurse as applied in the acute care and high acuity settings. Application of knowledge and skills occurs in a variety of clinical settings. Prerequisite: Successful completion of preceding required program course work. (Theory: 2.3cr= 34.5 contact hours; Clinical: 2.7cr= 121.5 contact hours.) (2.3-0-2.7)
NUR230 NUR2030	4		NUR2030 (NUR230) is a seminar and practice capstone course that provides an integrative experience applying all dimensions of the professional nurse in the care of diverse patient populations across a variety of healthcare settings. All major concepts of the nursing program are addressed. Leadership and the management of multiple patients are emphasized. Application of knowledge and skills occurs in the clinical setting to facilitate an effective transition from student to registered professional nurse Prerequisite: Successful completion of preceding required program course work. (Theory: 1.6cr= 24 contact hours; Clinical: 2.4cr= 108 contact hours.) (1.6-0-2.4)

<b>PHYSICAL EDUCATION</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
PED101 PED1001	1		Offers an independent self-paced format of conditioning exercises to meet individual needs. Emphasizes the value of lifetime fitness and its contribution to achieving personal

PHYSICAL EDUCATION			
Course Number	Credits	GT Code	Description
			health and wellness. Students utilize cardiorespiratory, muscular strength, and endurance exercises to promote positive changes in health-related fitness components. (Contact hours-30) (0-2)
PED104 PED1004	1		Introduces basic cross-training techniques designed to improve physical work capacity of an individual. Enables the student to gain an understanding of the basic principles of cross training, the effects cross training has upon the body's energy systems and muscles, program design and terminology. (Contact hours-30) (0-2)
PED143 PED1043	1		Offers a guided instruction in yoga. Students practice yoga according to their individual fitness levels and abilities. Emphasizes enhancing general health and well-being through the performance of yoga strength, flexibility, balance, and relaxation techniques and exercises. (Contact hours-30) (0-2)
PED144 PED1044	1		Continues to build on the concepts of basic yoga. Increases awareness of yoga including physical and mental benefits. (Contact hours-30) (0-2)
PED151 PED1051	1		Enables the student to understand the values in walking and jogging. Safety precautions and emphasis on personal programs are emphasized. (Contact hours-30) (0-2)
PED175 PED1075	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-30)
PED176 PED1076	0		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
PED211 PED2011	1		Introduces bowling fundamentals to improve the student's skill level. The primary emphasis is on teaching the student the elements of bowling, rules and regulations, footwork, courtesies, delivery, selection of ball, scoring, and team and individual competition. (Contact hours-30) (0-2)
PED221 PED2021	1		Designed for those who want to increase fitness and improve muscle tone through proper exercise techniques using mat work. Body alignment, breathing, and work on the abdominals, hips, and thighs will be emphasized. (Contact hours-30)
PED237 PED2037	1		Allows the student-athletes an opportunity to participate in a competitive varsity sports program. (Contact hours-75) (0-5)

PHILOSOPHY			
Course Number	Credits	GT Code	Description
PHI111 PHI1011	3	<a href="#">GT-AH3</a>	Introduces significant human questions and emphasizes understanding the meaning and methods of philosophy. Includes human condition, knowledge, freedom, history, ethics, the future, and religion. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisites: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
PHI112 PHI1012	3	<a href="#">GT-AH3</a>	Examines human life, experience, and thought in order to discover and develop the principles and values for pursuing a more fulfilled existence. Theories designed to justify ethical judgments are applied to a selection of contemporary personal and social issues. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
PHI113 PHI1013	3	<a href="#">GT-AH3</a>	Studies effective thinking using language-oriented logic. Provides tools and develops skills for creative and critical thinking. Emphasizes the development of decision-making and problem-solving. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121). (Contact hours-45) (3.0)
PHI114 PHI1014	3	<a href="#">GT-AH3</a>	Introduces students to the similarities and differences among concepts predominant in the major world religions, comparing sociological, philosophical, and phenomenological similarities between major world faiths. It is designed to transfer to any 4-year college philosophy, religious studies, or humanities department. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3.0)
PHI115 PHI1015	3	<a href="#">GT-AH3</a>	Introduces the student to the common and different concepts predominant in the major world religions. Includes sociological, political, psychological, and philosophical aspects of a variety of belief systems. Focuses on the concept of religion as a cultural system and a way that people make sense of a complex world. Particular emphasis is placed on how myths, legends, and folk tales reveal religious concerns. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121). (Contact hours-45) (3-0)
PHI116 PHI1016	3	<a href="#">GT-AH3</a>	Emphasizes the diversity and richness of Eastern religions within a cross-cultural context. Concepts such as fate, reincarnation, enlightenment, and morality are analyzed. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisite: Successful



PHILOSOPHY			
Course Number	Credits	GT Code	Description
			completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
PHI141 PHI1041	3		This course surveys literature produced by ancient Israel from its inception in the late-century BCE up to its absorption into the Roman Empire. The Hebrew Scriptures along with selected Apocryphal writings will be examined. The course will focus on the interpretation of these texts in light of the historical and cultural milieu from which they arose. Particular attention will be paid to the comparison of the literature of ancient Israel to that of its neighboring societies. (Contact hours-45) (3-0)
PHI142 PHI1042	3		This course surveys the literature of the early Christian era, from its inception to approximately 150 C.E. The New Testament as well as selected non-canonical writings from the period are examined. The course focuses on the interpretation of these texts in light of the cultural milieu from which they arose. Particular attention is paid to the influence of ancient literary conventions upon the Christian writers of this time. (Contact hours-45) (3-0)
PHI205 PHI2005	3	<a href="#">GT-AH3</a>	Examines philosophical theories about ethics and relevant subsidiary theories about the nature of justice in order to gather ethical decision making criteria. Such criteria will be applied through logical argumentation to various moral issues and challenges in today's business environment. Issues covered will include economic distribution, the presuppositions of business, job discrimination, worker's rights, consumerism, advertising, and responsibility to the environment as well as compassionate and fair responsibility to society. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . (Contact hours-45) (3-0)
PHI214 PHI2014	3	<a href="#">GT-AH3</a>	Focuses on the critical examination of the fundamental concepts, ideas, and implications of religion. Includes the nature of God, the varieties of religious experience, argument concerning God's existence, the Problem of Evil, faith and reason, religion and human destiny, and the connection between religion and ethics. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . (Contact hours-45) (3-0)
PHI218 PHI2018	3	<a href="#">GT-AH3</a>	Critically analyzes theories of value of the natural world. Topics include the relation between scientific and moral principles, theories of the moral worth of persons, animals, plants, and other natural objects, historical, religious, and cultural influences on conceptions of nature, alternative accounts of human relationships and responsibilities to nature including deep ecology and eco-feminism, and the connection between moral and political values and economic policies. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . (Contact hours-45) (3.0)
PHI220 PHI2020	3	<a href="#">GT-AH3</a>	This course explores major philosophical questions surrounding death and dying. It examines the metaphysical arguments for and against the existence of the soul, life after bodily death, the major ethical theories and their relation to issues of physician-assisted suicide, care for the dying, the grieving process, and death as expressed in aesthetics and contemporary society. Students will evaluate existential contributions concerning meaning of life and the meaning of death. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . (Contact hours-45) (3-0)

PHYSICS			
Course Number	Credits	GT Code	Description
PHY103 PHY1030	2		Focuses on physics of mechanics, heat, properties of matter, electricity, magnetism, light, and sound as applied in career & technical occupations. (Contact hours-45) (1-2)
PHY105 PHY1105	4	<a href="#">GT-SC1</a>	Focuses on mechanics, heat, properties of matter, electricity and magnetism, and light. Incorporates laboratory experience. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">MAT0300</a> (MAT055) ("C" or better). (Contact hours-75) (3-2)
PHY111 PHY1111	5	<a href="#">GT-SC1</a>	Covers the physics of mechanics and requires application of classical physics to both mathematical and conceptual problems. Major topics include kinematics in one or two dimensions, Newton's Laws, circular motion, work and energy impulse and momentum, and rotational mechanics. This course may also include topics relating to simple harmonic motion and traveling and standing waves. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Students entering engineering or one of the advance sciences should register for <a href="#">PHY2111</a> (PHY211). Prerequisite: <a href="#">MAT1340</a> or <a href="#">MAT1420</a> or <a href="#">MAT1440</a> (MAT121 or MAT122 or MAT166) recommended ("C" or better). (Contact hours-90) (4-2)
PHY112 PHY1112	5	<a href="#">GT-SC1</a>	Covers the physics of electricity and magnetism and requires application of classical physics to both mathematical and conceptual problems. DC circuits involving resistors, capacitors, and batteries will be covered. Also covered are electromagnetic waves and geometric optics. This course may also include topics relating to simple harmonic motion, traveling and standing waves, and AC circuits. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">PHY1111</a> (PHY111) ("C" or better) (Contact hours-90) (4-2)

## PHYSICS

Course Number	Credits	GT Code	Description
PHY175 PHY1075	1-6		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
PHY211 PHY2111	5	<a href="#">GT-SC1</a>	Covers the physics of kinematics, dynamics, and conservation laws and requires application of classical physics to both mathematical and conceptual problems. Specific concepts covered include 1D and 2D kinematics, Newton's Laws, rotational motion, energy and work, momentum and impulse, and simple harmonic motion. This course may also cover thermodynamics and fluid mechanics. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisites: <a href="#">MAT2410</a> (MAT201) ("C" or better) (Contact hours-90) (4-2)
PHY212 PHY2112	5	<a href="#">GT-SC1</a>	Covers the physics of electricity and magnetism using conceptual and mathematical reasoning, including calculus. Maxwell's equations, waves, and time-varying circuits will be covered. Optional topics include wave and geometric optics and AC circuits. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">PHY2111</a> (PHY211) ("C" or better) (Contact hours-90) (4-2)
PHY275 PHY2075	1-6		Provides students with a vehicle to pursue in depth exploration of special topics of interest.

## POLITICAL SCIENCE

Course Number	Credits	GT Code	Description
POS105 POS2020	3	<a href="#">GT-SS1</a>	Focuses on a survey of the discipline of political science including political philosophy and ideology, democratic and non-democratic governments, and processes, and international relations. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . (Contact hours-45) (3-0)
POS111 POS1011	3	<a href="#">GT-SS1</a>	Includes the background of the U.S. Constitution, the philosophy of American government, general principles of the Constitution, federalism, and civil liberties. Examines public opinion and citizen participation, political parties, interest groups, the electoral process, and the structure and functions of the national government. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . (Contact hours-45) (3-0)
POS125 POS1025	3	<a href="#">GT-SS1</a>	Emphasizes the structure and function of state, county, and municipal governments including their relations with each other and with national government. Includes a study of Colorado government and politics. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . (Contact hours-45) (3-0)
POS205 POS2005	3	<a href="#">GT-SS1</a>	Examines relationships among modern nation states. Topics include diplomacy, nationalism, ideologies, power and influence, conflict and cooperation, the role of nonstate actors, the international economy and theoretical attempts to understand international behavior. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . (Contact hours-45) (3-0)
POS225 POS2025	3	<a href="#">GT-SS1</a>	Examines domestic political systems, developments, themes, and events across countries and regions while applying the comparative method to identify similarities and differences. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS1 category</a> . (Contact hours-45) (3-0)

## PSYCHOLOGY

Course Number	Credits	GT Code	Description
PSY101 PSY1001	3	<a href="#">GT-SS3</a>	Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . Prerequisites: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
PSY102 PSY1002	3	<a href="#">GT-SS3</a>	Focuses on the scientific study of behavior including cognition, language, intelligence, psychological assessment, personality, abnormal psychology, therapy, life span development, and social psychology. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . Prerequisites: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
PSY175 PSY1075	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15) (1-0)
PSY176 PSY1076	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15) (1-0)
PSY205 PSY2105	3	<a href="#">GT-SS3</a>	Examines gender comparisons in work, courtship, family life, and sexual behavior throughout the life span. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)

## PSYCHOLOGY

Course Number	Credits	GT Code	Description
PSY207 PSY2770	3		Introduction to Forensic Psychology is a course in an overview of Forensic Psychology. As such it explores both current research and practice in five areas. These areas are police psychology, criminal psychology, victimology, correctional psychology and the interface of psychology and the courts. The course facilitates an understanding of the numerous careers related to forensic psychology, how to prepare for them and current research and practice in each of the five broad areas of forensic psychology. (Contact hours-45) (3-0)
PSY217 PSY2107	3	<a href="#">GT-SS3</a>	Surveys physiological, psychological, and psychosocial aspects of human sexuality. Topics include relationships, sexual identity, and sexual health. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
PSY226 PSY2221	3	<a href="#">GT-SS3</a>	Focuses on the behavior of humans in social settings including attitudes, aggression, conformity, cooperation, competition, prejudice, and interpersonal attraction. Prerequisites: 3 hours General PSY, 3 hours General SOC OR instructor approval. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
PSY227 PSY2222	3	<a href="#">GT-SS3</a>	Examines the philosophies of life and death, emphasizing dying, death, mourning, and the consideration of one's own death. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
PSY235 PSY2440	3	<a href="#">GT-SS3</a>	Examines human development from conception through death emphasizing physical, cognitive, emotional and psychosocial factors. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . Prerequisites: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
PSY237 PSY2442	3		Explores human development from conception through adolescence, emphasizing physical cognitive, emotional, and psychosocial factors. (Contact hours-45) (3-0)
PSY238 PSY2441	3	<a href="#">GT-SS3</a>	Focuses on growth and development of the individual from conception through childhood, emphasizing physical, cognitive, emotional, and psychosocial factors. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
PSY240 PSY2333	3	<a href="#">GT-SS3</a>	Students will learn an overview of the scientific study of attitudes, behaviors and personality variables related health, illness, and bodily systems. Emphasis is on the interaction of biological, psychological, and social factors that cause illness and influence its treatment and prevention. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . Prerequisites: <a href="#">BIO1005</a> , <a href="#">BIO1111</a> , <a href="#">PSY1001</a> , <a href="#">PSY1002</a> or <a href="#">PSY2440</a> (BIO105, BIO111, PSY101, PSY102 or PSY235) (Contact hours-45) (3-0)
PSY249 PSY2552	3	<a href="#">GT-SS3</a>	Examines abnormal behavior and its classification, causes, treatment, and prevention. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
PSY265 PSY2771	3	<a href="#">GT-SS3</a>	Examines the structure, function, and development of personality. Investigates the major contemporary theories of personality. Covers psychodynamic, behavioral, cognitive-social learning, humanistic, trait, and, optionally, neurobiological, existential, and/or Eastern perspectives. The underlying assumptions and research support for these theories are appraised. Enables the student to gain an appreciation of the value of alternative theoretical approaches to this subfield of psychology. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact Hours-45) (3-0)
PSY275 PSY2075	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest.
PSY276 PSY2076	1		Provides students with a vehicle to pursue in depth exploration of special topics of interest.
PSY278 PSY2078	1		Provides students with an exceptional learning experience.

## RANGE MANAGEMENT

Course Number	Credits	GT Code	Description
RAM205 RAM2005	3		Presents the historical and current status of the range livestock industry. Management principles for private and public rangelands, range plant identification, and range plant communities are covered. (Contact hours-60) (2-2)

## READING

Course Number	Credits	GT Code	Description
REA130 REA1030	2		Focuses on the appropriate reading strategies to understand technical, vocational and academic texts, manuals, professional journals, and pleasure materials, to complete a task in the workplace, and to comprehend a new process. Prerequisite: Appropriate <a href="#">placement score</a> . (Contact hours-30) (2-0)

## RECREATION

Course Number	Credits	GT Code	Description
REC120 REC1020	3		Provides the student with knowledge of management in the areas of facilities, professional organizations, educational institutions, and promotions as well as the different managerial styles that can be applied. This course will also provide the student with individual topics such as quality control, leadership, strategic planning, information systems, and sport research. (Contact hours-45) (3-0)

## SCIENCE

Course Number	Credits	GT Code	Description
CI105 SCI1105	3	<a href="#">GT-SC2</a>	Examines issues relating to the way science affects society. Students will investigate issues in information technology, the environment, physics, astronomy, biology, medicine, and the interaction of science with politics. The class will focus on gathering accurate scientific information and applying critical thinking skills and the scientific method to analyze how science plays both positive and negative roles in society. Emphasis will be on student research, inquiry, and analysis of science related issues. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC2 category</a> . (Contact Hours-45) (3-0)
SCI155 SCI1055	4	<a href="#">GT-SC1</a>	Examines the nature of energy and matter, their interactions and changes, and the application of fundamental concepts to the study of our natural world. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">MAT0250</a> (MAT050) ("C" or better) (Contact Hours-75) (3-2)
SCI156 SCI1056	4	<a href="#">GT-SC1</a>	Examines earth and biological systems, living and non-living environments, through the applications and refinement of fundamental energy and matter concepts. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SC1 category</a> . Prerequisite: <a href="#">MAT0250</a> (MAT050) ("C" or better). (Contact hours-75) (3-2)

## SOCIOLOGY

Course Number	Credits	GT Code	Description
SOC101 SOC1001	3	<a href="#">GT-SS3</a>	Examines the basic concepts, theories, and principles of sociology as well as human culture, social groups, and the social issues of age, gender, class, and race. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121). (Contact hours-45) (3-0)
SOC102 SOC1002	3	<a href="#">GT-SS3</a>	Examines social institutions and organizations from the macro perspective. Emphasizes issues of social change, demography, social movements, and conflicts and trends within education, religion, family, political, and economic structures. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . Prerequisite: Successful completion of <a href="#">ENG0092</a> (REA090 or CCR092) ("C" or better) OR appropriate <a href="#">placement score</a> . Corequisite: <a href="#">ENG0094</a> and <a href="#">ENG1021</a> (CCR094 and ENG121) (Contact hours-45) (3-0)
SOC175 SOC1075	1		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-15) (1-0)
SOC176 SOC1076	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15) (1-0)
SOC205 SOC2005	3	<a href="#">GT-SS3</a>	Offers a critical exploration of marriage, family and kinship. It examines the family as an institution and how social, cultural and personal factors influence family relations locally and globally. Explores the stability and evolution of the family, along with current trends and a range of family forms. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
SOC231 SOC2031	3	<a href="#">GT-SS3</a>	Examines the nature, identification, and explanation of deviant categories. Theories, and philosophies as well as methods of treatment related to deviancy will also be considered. The course will study society's attempts to control, change, and institutionalize those acts, individuals or groups that a population may deem unacceptable. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3 category</a> . (Contact hours-45) (3-0)
SOC275 SOC2075	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15) (1-0)
SOC276 SOC2076	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest. (Contact hours-15) (1-0)

## SPANISH

Course Number	Credits	GT Code	Description
SPA111 SPA1011	5		Deals with the development of functional proficiency in listening, speaking, reading, and writing the Spanish language. Note: The order of the topics and methodology will vary according to individual texts and instructors. (Contact hours-75) (5-0)

SPANISH			
Course Number	Credits	GT Code	Description
SPA112 SPA1012	5		Continues Spanish Language I in the development of functional proficiency in listening, speaking, reading, and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. Prerequisite: <a href="#">SPA1011</a> (SPA111) ("C" or better) OR instructor approval. (Contact hours-75) (5-0)
SPA175 SPA1075	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest.
SPA211 SPA2011	3	<a href="#">GT-AH4</a>	Continues Spanish Language I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisites: <a href="#">SPA1012</a> (SPA112 and SPA114) ("C" or better) OR instructor approval. (Contact hours-45) (3-0)
SPA212 SPA2012	3	<a href="#">GT-AH4</a>	Continues Spanish Language I, II, and III in the development of increased functional proficiency in listening, speaking, reading, and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH3 category</a> . Prerequisite: <a href="#">SPA2011</a> (SPA211) OR instructor approval. (Contact hours-45) (3-0)
SPA275 SPA2075	1		Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

THEATER			
Course Number	Credits	GT Code	Description
THE105 THE1005	3	<a href="#">GT-AH1</a>	Provides an opportunity to discover, analyze, and evaluate all aspects of the theatre experience: scripts, acting, directing, staging, history, criticism, and theory. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> .
THE111 THE1011	3		Covers basic acting techniques and approaches including scene study, improvisation, and script analysis. It includes practical application through classroom performance. (Contact hours-45) (3-0)
THE112 THE1012	3		Continues to explore basic acting techniques and approaches including scene study, improvisation, and intermediate script analysis. It includes practical application through classroom performance. Prerequisite: <a href="#">THE1011</a> (THE111) ("C" or better) OR instructor approval. <a href="#">THE1005</a> (THE105) is strongly advised. (Contact hours-45) (3-0)
THE116 THE1016	3		Introduces hands-on methods of constructing and painting scenery and properties and operating stage lighting. Students also learn the proper procedures of using shop equipment and serving on stage crews. (Contact hours-45) (3-0)
THE131 THE1031	3		Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available. (Contact hours-45) (3-0)
THE132 THE1032	3		Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available. (Contact hours-45) (3-0)
THE141 THE1041	1		Helps students learn improvisation skills for performance and character development. Emphasis is placed on "Second City" style of improvisation. (Contact hours-15) (1-1)
THE211 THE2011	3	<a href="#">GT-AH1</a>	Surveys the history and evolution of drama from Ancient Greece to the Renaissance emphasizing all aspects of the art from period values to analysis of dramatic literature and performance. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
THE212 THE2012	3	<a href="#">GT-AH1</a>	Surveys the history and development of theatrical practices from Restoration to the present as well as non-Western forms, emphasizing all aspects of performance from period values to analysis of dramatic literature and culture. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45)
THE215 THE2015	3	<a href="#">GT-AH1</a>	Gives students the opportunity to learn and practice playwriting techniques, thereby improving creative writing skills. Elements of dramatic structure, dialogue, styles, and theatrical practices are emphasized. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-AH1 category</a> . (Contact hours-45) (3-0)
THE231 THE2031	3		Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available. (Contact hours-45) (3-0)
THE232 THE2032	3		Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available. (Contact hours-45) (3-0)
THE141 THE1041	1		Helps students learn improvisation skills for performance and character development. Emphasis is placed on "Second City" style of improvisation. (Contact hours-15) (1-1)

## THEATER

Course Number	Credits	GT Code	Description
THE246 THE2046	1		Gives the student actor practical experience in a real acting environment. Through the audition and rehearsal process the student's imagination and creative potential will be stimulated. Special attention will be given to characterization, stage movement, speech techniques, dramatic form and the rehearsal, production and performance process. The successful rehearsal and presentation of the current production to the public will be the focal point of their activities. Previous acting experience is helpful but not required. (Contact hours-60) (0-4)

## WELDING

Course Number	Credits	GT Code	Description
WEL100 WEL1000	1		Covers the hazards of welding on health and safety, locating essential safety information from a code or other standard, and identifying and applying shop safety procedures. (Contact Hours-22.5) (1-0)
WEL106 WEL1006	4		Covers interpretation and creation of weld symbols and blueprints used in metal fabrication. Corequisite: <a href="#">WEL1000</a> OR <a href="#">AME1051</a> (WEL100 or AME151) (Contact hours-90) (4-0)
WEL113 WEL1013	2		Outlines the skills needed to set up equipment and perform cutting and gouging operations utilizing the oxyacetylene and plasma arc cutting processes. Corequisite: <a href="#">WEL1000</a> OR <a href="#">AME1051</a> (WEL100 or AME151) (Contact hours-45) (1-2)
WEL114 WEL1014	2		Teaches the skills necessary to perform safety inspections, make minor repairs, adjust operating parameters, operate oxyacetylene welding equipment, and perform oxyacetylene welding, brazing, and soldering operations. (Contact hours-45) (1-2)
WEL116 WEL 1016	2		Covers fundamental knowledge and skills required for the safe use of Shielded Metal Arc Welding (SMAW) equipment including proper set up, shut down, electrode selection, striking the arc, running a bead, making fillet and groove open root welds in the flat and horizontal positions, proper use of E6010, E7018, and other electrodes, and weldment inspection. (Contact hours-45) (1-2)
WEL117 WEL1017	2		Covers Shielded Metal Arc Welding (SMAW) techniques in the vertical position including the use of E6010 and E7018 electrodes, proper set up and shut down of the welding equipment, electrode selection, vertical up and down stringer beads using E6010 electrodes, and vertical up fillet and groove welds using E6010 and E7018 electrodes. (Contact hours-45) (1-2)
WEL118 WEL1018	2		Covers Shielded Metal Arc Welding (SMAW) techniques in the overhead position including the use of E6010 and E7018 electrodes, proper set up and shut down of the welding equipment, electrode selection, overhead stringer and weave beads using E6010 and E7018 electrodes, and overhead fillet and groove welds using E6010 and E7018 electrodes. (Contact hours-45) (1-2)
WEL126 WEL 1026	2		Covers the theory and techniques in basic Gas Metal Arc Welding (GMAW) to produce sound fillet welds and groove welds in both the flat and vertical positions using short-circuit and spray modes of metal transfer. (Contact hours-45) (1-2)
WEL140 WEL1040	1.5		Teaches applied metallurgy, welding process applications, and related safety. This intensive course provides a one-of-a-kind opportunity for welding operators, technicians, and supervisors to learn more about the maintenance process and is ideal for improving the skills and on-the-job expertise of a wide range of personnel including: inexperienced welding operators, experienced welding operators in management positions, and anyone else working in a plant or equipment maintenance position where welding repairs are required. (Contact hours-33.75) "Open to Any Student" (.5-1.5)
WEL150 WEL1050	1		Provides students with the opportunity to complete a welding qualification test in accordance with an American Welding Society code or specification. (Contact hours-22.5) (0.5-1)
WEL164 WEL1064	2		Examines theory and techniques used in basic Gas Tungsten Arc Welding (GTAW) of steel fillet and groove welds in the flat and vertical positions including equipment adjustment, tungsten electrode types, and the use of different gases. (Contact hours-45) (1-2)
WEL165 WEL1065	2		Examines the theory and techniques used in Gas Tungsten Arc Welding (GTAW) of steel fillet and groove welds in the horizontal and overhead positions including equipment adjustment and pulse arc welding (GTAW-P). (Contact hours-45) (1-2)
WEL216 WEL2016	2		Covers the use of Shielded Metal Arc Welding (SMAW) for basic pipe welding techniques involving pipe-to-plate, single, and multiple pass fillet welds in the horizontal (2F), multi-position (5F) uphill and downhill, and overhead positions (4F) using E6010 and E7018 electrodes including proper positioning around pipe and tube in preparation for welding pipe-to-pipe connections. (Contact hours-45) (1-2)
WEL217 WEL2017	2		Provides instruction of advanced pipe welding techniques using the Shielded Metal Arc Welding (SMAW) process to weld open root and pipe-to-pipe connections in the horizontal (2G), multi-position vertical uphill progression (5G), and multi-position 45-degree incline (6G) positions using E6010 and E7018 electrodes. Each pipe position is tested using visual inspection and root/face bend test. (Contact hours-45) (1-2)

<b>WELDING</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
WEL218 WEL2018	2		Provides instruction of advanced pipe welding techniques of Gas Tungsten Arc Process (GTAW) and Shielded Metal Arc Welding (SMAW) for welding open root, pipe-to-pipe connections in the horizontal (2G), multi-position vertical uphill progression (5G), and multi-position 45-degree incline (6G) positions with GTAW root and SMAW E7018 electrodes for the fill/cap. Each pipe position is tested using visual inspection and root/face bend test specimens. (Contact hours-45) (1-2)
WEL226 WEL2026	2		Covers the theory and techniques in Gas Metal Arc Welding (GMAW) to produce sound fillet welds and groove welds in both the horizontal and overhead positions using short-circuit (GMAW-S) and pulsed-spray (GMAW-P) modes of metal transfer. This course is a continuation of GMAW – Steel I. (Contact hours-45) (1-2)
WEL227 WEL2027	2		An advanced course covering Gas Metal Arc Welding (GMAW) of aluminum and steel using stainless steel wire in all positions; utilizing short-circuit (GMAW-S), spray (GMAW), and pulsed-spray (GMAW-P) modes of metal transfer. (Contact hours-45) (1-2)
WEL251 WEL2051	4		Develops advanced welding and associated skills in the use of drawings and blueprints in planning. This course includes designing and layout projects. Corequisite: <a href="#">WEL1000</a> OR <a href="#">AME1051</a> (WEL100 or AME151). (Contact hours-90) (1-5)
WEL252 WEL2052	2		Covers gas shielded (FCAW-G) and self-shielded (FCAW-S) Flux-cored Arc welding (FCAW) in the flat and vertical positions using semi-automatic equipment. (Contact hours-45) (1-2)
WEL253 WEL2053	2		Covers gas shielded (FCAW-G) and self-shielded (FCAW-S) Flux-cored Arc welding (FCAW) in the horizontal & overhead positions using semi-automatic equipment. (Contact hours-45) (1-2)
WEL254 WEL2054	2		Covers advanced Gas Shielded Arc Welding operations of pipe-to-pipe connections including open root, fill, and cover passes in the 2G position with Gas Metal Arc Welding short-circuit (GMAW-S), 5G GMAW-S open root vertical down with Flux Cored Arc Welding gas-shielded (FCAW-G) fill and cover passes, 6G GMAW-S open root vertical up with Flux Cored Arc Welding self-shielded (FCAW-S) fill and cover passes, and 6G Gas Tungsten Arc Welding (GTAW) open root with FCAW-G fill and cover passes. (Contact hours-45) (1-2)
WEL260 WEL2060	2		Examines theory and techniques used in basic Gas Tungsten Arc Welding (GTAW) of stainless steel and aluminum in the flat and vertical positions including equipment adjustment, tungsten electrodes types, and the use of different gases. (Contact hours-45) (1-2)
WEL261 WEL2061	2		Covers Gas Tungsten Arc Welding (GTAW) of stainless steel and aluminum in the horizontal and overhead positions including the study of pulse arc welding (GTAW-P). This course is a continuation of Gas Tungsten Arc Welding (GTAW)-Stainless and Aluminum I. (Contact hours-45) (1-2)
WEL263 WEL2063	4		Introduces the study of metal properties, hardness testing, heat treatment, cold working microscopic examination, and application of common commercial alloys in industry. Corequisite: <a href="#">WEL1000</a> OR <a href="#">AME1051</a> (WEL100 or AME151) (Contact hours-90) (4-0)

<b>WOMEN'S STUDIES</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
WST200 WST2000	3	<a href="#">GT-SS3</a>	Explores the interdisciplinary field of women's studies. This course is an examination of the following topics: the historical basis of gender inequality; the history of social movements for gender equality and women's studies; women's achievements throughout history in various professional and academic fields; women's social, economic, religious, health and political status in the U.S. and around the globe; gender relations; intersectionality; cultural, media and artistic representations of women. This is a Statewide Guaranteed Transfer course in the <a href="#">GT-SS3</a> category.

<b>WIND TURBINE GENERATOR</b>			
<b>Course Number</b>	<b>Credits</b>	<b>GT Code</b>	<b>Description</b>
WTG100 WTG1000	3		Introduces students to the wind power generation industry. Topics covered will include physics of wind energy, various sizes and types of wind turbines, and reading wind maps for finding the best wind locations. Students will also engage in discussions of the impact of the wind industry on social, environmental, economic, and political issues. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better). (Contact hours-45) (1-3.5)
WTG110 WTG1010	3		Provides a comprehensive overview of the wind turbine generator systems. Focus will be on the power distribution and systems controls including theory, application, component identification, and schematics. Safety and appropriate Personal Protective Equipment will be emphasized in lab environment. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better) (Contact hours-67.5) (1-3.5)
WTG175 WTG1075	2		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-45) (1-2)

WTG220 WTG2620	4		Introduces students to standards and techniques of wind turbine technician operations, maintenance, troubleshooting, and repair. Emphasis on teamwork, safety, accuracy, and efficiency as well as basic troubleshooting techniques. Discussion will cover building, commissioning, warranty, operations and maintenance, and hotshot troubleshooting crews and work environments. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better) (Contact hours-90) (1-5)
WTG275 WTG2075	2		Provides students with a vehicle to pursue in depth exploration of special topics of interest. (Contact hours-45) (1-2)
WTG280 WTG2080	6		Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. (Internship hours-240)
WTG289 WTG2089	2		Provides a comprehensive overview of the Wind Technician Program, giving the student a unified picture of the wind industry and the role of the wind technician. Students are further prepared for entering industry by developing their own resume, introduced to online job services, and industry organizations. Current and future wind industry niches and trends will be discussed to give the students possible career paths to look further into and plan for. Prerequisite: <a href="#">EIC1101</a> (EIC101) ("A" or better) (Contact hours-45) (2-0)

## Placement Reference Guide

Example:

BIO 111 General College Biology w/Lab 5 CR (4-2)

Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. Includes cell structure and function, the metabolic processes of respiration, and photosynthesis, as well as cell reproduction and basic concepts of heredity. This course includes laboratory experience. (Contact hours – 90) State Guaranteed Transfer Course

5 CR = Credit Hours for course, including Lab

(4-2) = The first number is the Lecture Hours and the second number is Lab Hours

College Level Class	ACT	SAT	SDP	HS CODE	Accuplacer	NEXGEN Accuplacer	GED	Other Comments
AAA 0075								Paired with MAT 250 (50)
AAA 0076								Paired with MAT 300 (55).
AAA 0077								Paired with MAT 1100 (102).
ASC 1100 (100)					RC ≥62	NGWR ≥ 246		
AST 1110 / 1120 (101/102)	Reading ≥ 17	S11 ≥ 470	EXCR = 092		RC ≥80	NGWR ≥ 246		College level reading required.
BIO 1111 (111)								
BUS 1015 (115)					RC ≥62	NGWR 200 - 235		
BUS 2026 (226)	Math ≥ 19	S12 ≥ 500	EX50 = 1	CRAL = 100	EA ≥61	NGQA 240 - 300		
EMS 1015 (115)	Reading ≥ 17	S11 ≥ 470			RC ≥ 80			
EMS 1021 (121)								
ENG 091 (CCR 091)								Paired with ENG 092 (CCR 092)
ENG 092 (CCR 092)			EXCR= 091		SS 50-69&/or RC 40-61	NGWR 200-235		
ENG 094 (CCR 094)			EXCR= 092		SS 70-94 &/or RC 62-79	NGWR 236-245		Paired with ENG 1012 (121).
ENG 1015 (115) ENG 1020 (131)	English ≥ 18 & Reading ≥ 17	S11 ≥ 470	EXCR = 092	CRCW = 100	SS 70 - 94 &/or RC 62 - 79	NGWR ≥ 236		TOEFL ≥ 66 or IELTS ≥ 6.6
ENG 1021 (121)	English ≥ 18 &	S11 ≥ 470	EXCR = 092	CRCW = 100	SS ≥ 95 &/or RC ≥ 80	NGWR ≥ 246	GEDL ≥ 165	TOEFL ≥ 66 or IELTS ≥ 6.6



College Level Class	ACT	SAT	SDP	HS CODE	Accuplacer	NEXGEN Accuplacer	GED	Other Comments
	Reading $\geq$ 17							
ESL 053			EXCR = 091					TOEFL 52-65 or IELTS 5-6.5
MAT 140 (AAA 78/79)								Paired with MAT 1140 (107).
MAT 240 (080)	Math $\geq$ 19	S12 $\geq$ 500	EX50 = 1	CRAL = 100	EA $\geq$ 61	NGQA $\geq$ 230		Paired with MAT 1240 (120).
MAT 250 (050)			EXMA = 30		AR 20 - 44 or EA 20 - 60	NGAR 200 - 300		
MAT 260 (085)	Math $\geq$ 19	S12 $\geq$ 500	EX50 = 1	CRAL = 100	EA $\geq$ 61	NGQA $\geq$ 230		Paired with MAT 1260 (135).
MAT 300 (055)	Math $\geq$ 19		EX50 = 1		AR $\geq$ 45 or EA 61 -79	NGQA 250 - 300		
MAT 340 (081)	Math $\geq$ 19	S12 $\geq$ 530	EX55 = 1	CRAL = 100	EA $\geq$ 80	NGAF 235-244		Paired with MAT 1340 (121).
MAT 1100 (102)	Math $\geq$ 19	S12 $\geq$ 500	EX50 = 1	CRCM = 100	EA $\geq$ 45	NGAR 265 - 300	GEDM $\geq$ 165	Career/Tech Programs only. Consult with advisor regarding placement scores.
MAT 1120 (103)								
MAT 1140 (107)								
MAT 1160 (112)								
MAT 1220 (155)	Math $\geq$ 19	S12 $\geq$ 500	EX50 = 1	CRAL = 100	EA $\geq$ 61	NGQA 240 - 300	GEDM $\geq$ 165	Must also take MAT 156.
MAT 1240 (120)	Math $\geq$ 19	S12 $\geq$ 500	EX50 = 1	CRAL = 100	EA $\geq$ 61	NGQA $\geq$ 230	GEDM $\geq$ 165	
MAT 1260 (135)	Math $\geq$ 19	S12 $\geq$ 500	EX50 = 1	CRAL = 100	EA $\geq$ 61	NGQA 240 - 300	GEDM $\geq$ 165	
MAT 1320 (123)	Math $\geq$ 23				EA $\geq$ 85			
MAT 1340 (121)	Math $\geq$ 23	S12 $\geq$ 590	EX55 = 1	CRAL = 100	EA $\geq$ 85	NGQA $\geq$ 245 - 279		
MAT 1400 (125)	Math $\geq$ 24	S12 $\geq$ 610		CRAL = 100	CLM 63 - 102	NGAF 280 - 300		
MAT 1420 (122)	Math $\geq$ 24	S12 $\geq$ 610		CRAL = 100	CLM 63 - 102	NGAF 280-300		
MAT 1440 (166)	Math $\geq$ 24	S12 $\geq$ 610		CRAL = 100	CLM 63 - 102	NGAF 280 - 300		
MAT 2410 (201)	Math $\geq$ 28	S12 $\geq$ 650			CLM $\geq$ 103			
PSY 1001/1002 (101/102)	Reading $\geq$ 17	S11 $\geq$ 470	EXCR = 092		RC $\geq$ 80	NGWR $\geq$ 246		College level reading required.
PSY 2440 (235)								

<b>College Level Class</b>	<b>ACT</b>	<b>SAT</b>	<b>SDP</b>	<b>HS CODE</b>	<b>Accuplacer</b>	<b>NEXGEN Accuplacer</b>	<b>GED</b>	<b>Other Comments</b>
REA 1030 (130)					SS 70 - 94 &/or RC 62 - 79			Career/Tech Programs only. Consult with
SOC 1001/1002 (101/102)	Reading $\geq$ 17	S11 $\geq$ 470	EXCR = 092		RC $\geq$ 80	NGWR $\geq$ 246		College level reading required.

## College Personnel

### Members of the State Board for Community Colleges and Occupational Education System

Mr. Rollie Heath, Chair  
 Mr. Presley Askew  
 Dr. Ross Dueber  
 Mr. Richard Garcia  
 Dr. Landon Mascarenaz  
 Dr. Karen McNeil-Miller  
 Mr. Terrance D. McWilliams  
 Mr. Garrison Ortiz  
 Ms. Catherine Shull

### Northeastern Junior College Advisory Council Members

Ms. Kendra Anderson  
 Ms. Jamie Jo Axtell  
 Mr. Jeff Long  
 Ms. Karen Ramey-Torres  
 Ms. Felicia Rodriguez  
 Ms. Karla Rosas  
 Mr. Wade Tyrrell

### Administration, Faculty and Staff

Name	Title	Degree
Jennifer Betzmer	English Faculty	A.A.- Northeastern Junior College  B.A.- Doane University  M.A.- University of Wyoming
Melissa Bornhoft	Assistant Director - Monahan Learning Center	A.A.- Northeastern Junior College  B.S.- Colorado State University
Donna Brady- Lawler	Early Childhood Education Coordinator and Faculty	B.A.- Metro State College  M.Ed.- Colorado State University
Jannifer Brandenburg	Nursing Faculty	B.S.N.- University of Utah  M.S.N.- University of Northern Colorado
Jody Brandner	Yuma Campus Maintenance	
Joy Branlund	Science Faculty	B.A.- Macalester College  M.S.- University of Minnesota  Ph.D.- Washington University- St. Louis
Dale Brekel	Custodian I	
Cole Briggs	Equine Management Faculty	B.S.- Colorado State University
Kathy Bright	Custodian I	A.A.S.- Northeastern Junior College
Julie Brower	Director- Nursing Programs	B.S.N.- University of Northern Colorado  M.S.N.- University of Northern Colorado
Heather Brungardt	Director- Bookstore Services/Executive Alumni Director	A.A. & A.S.- Northeastern Junior College  B.S.- Colorado State University
Cherie Brungardt	Director- Information Technology	A.A.- Northeastern Junior College  B.S.- Regis University
Stephanie Budin Weatherill	English Faculty	B.S.- University of Colorado  M.S.- Regis University

Name	Title	Degree
Dalia Alexander	Assistant Director- Adult and Community Education	A.A.-Northeastern Junior College  B.S.- Colorado Christian University
Kendra Anderson	Advisory Council Member	
Mike Anderson	Department Chair – Agriculture Agriculture Faculty	A.A.- Northeastern Junior College  B.S.- Colorado State University  M.Ed.- Colorado State University
Jamie Jo Axtell	Advisory Council Member	
Brianna Bade	Holyoke Adult Education Instructor	A.S.- Northeastern Junior College  B.S.- Colorado State University
Emily Barkey	Agriculture Business Management Faculty	B.S. – Kansas State University  M.S. – Kansas State University

Name	Title	Degree
Taylor Burns	Assistant Coach-Volleyball	
Kaden Campbell	Head Coach-Wrestling	
Cindy Carey	Student Guidance Coordinator	B.A.- University of Colorado at Colorado Springs  M.S.W.- Denver University
Amy Carlstedt	Document Center Coordinator	B.A.- University of Nebraska-Lincoln
Mackenzie Chrisman	Head Coach-Volleyball	B.A.- University of West Florida
Martha Conner	Cosmetology Faculty	Cosmetology License-Northeastern Junior College
Laurie Cook	Administrative Assistant II	A.A.S.- Aims Community College
Rebecca Cranwell	English Faculty	B.A.- University of Northern Colorado  M.A.- University of Northern Colorado
Tyson Cravens	Grounds & Nursery I	
Jennifer Crisman	Administrative Assistant II	A.A.S.- Northeastern Junior College
Brian Cullen	Agriculture Business Management Faculty	B.S.- Oklahoma Panhandle State University
Kaitlyn Cullip	Accounting Technician II	A.S.- Southeast Community College- Lincoln
Barbara Cullop	College and Career Navigator	A.A.S.- Morgan Community College  B.S.- Colorado Christian University
Brant Davis	Director- Residence Hall	A.A.S.- Northeastern Junior College
Rachelle Davis	Lead Developmental Math	B.S.- Regis University  M.A.- University of Northern Colorado
Andrew De Souza	Coordinator of Campus Safety	A.S.- Northeastern Junior College  B.S.- Colorado Christian University
Matthew Dedrickson	Custodian I	
Celeste Delgado-Pelton	Director- Liberal Arts	B.M.E.- University of Northern Colorado  M.M.- University of Northern Colorado
Justin Denette	Assistant Director- Admissions	B.S.- Grand Canyon University
Michael Dillinger	IT Technician	

Name	Title	Degree
Kelsey Dillinger	Nursing Faculty	A.A.S.- Northeastern Junior College  B.S.N.- Aspen University
Kala Doane	Agriculture Business Management Faculty	B.S.- University of Northern Colorado
Colby Duncan	Assistant Coach-Wrestling	
Jeri Estrada	Director- Human Resources	B.A.- University of Northern Colorado
Cathy Fisher	Adult Education Instructor	A.S.- Northeastern Junior College  B.A.- Tabor College
Trent Franklin	Chef	
Sadie Fritzler	Career Coach/Academic Adviser	A.G.S.- Northeastern Junior College  B.S.- Colorado State University  M.A.- University of South Dakota
Heather Gage	Administrative Assistant II	
Cory Gaines	Physics Faculty	B.S.- University of Colorado At Denver  M.S.- Colorado State University
Martha Gareis	Director- Purchasing	
Jeri Garrett	Math Faculty Phi Theta Kappa Advisor	A.S.- Northeastern Junior College  B.S.- Colorado State University  M.S.- University of Northern Colorado
Maria Gauna	Assistant Registrar	B.S.- Colorado State University-Pueblo
Mikey Gauna	Food Service Director	
Shane Gertner	Assistant Coach-Softball	
Jada Gettman	Administrative Assistant II	
Jamie Giacomini	Director- Adult and Community Education	A.A.- Tallahassee Community College  B.A.- Florida State University  M.N.M.- Regis University
Hannah Gibbs	Assistant Hall Director - Dowis	

Name	Title	Degree
Jason Ha	Technical Systems Specialist	A.A.S.- Northeastern Junior College  B.S.- Colorado Christian University
Vivian Hadley	Executive Director- Foundation	B.A.- University of Missouri
Alexander Haney	Custodian I	
Kay Hansberry	Accounting Technician III	A.A.S.- Aims Community College
Vernon Harbart	Head Coach- Golf	A.A.- Southeast Community College Fairbury  B.A.- Park College Parkville
Jessica Harder	Psychology Faculty	B.A.- University of Northern Colorado  M.A.- University of Northern Colorado
Michelle Hawkins	Writing Specialist	B.S.- Metropolitan State University  M.O.L.- Colorado Christian University
Jason Hazlett	Director- Renewable Energy/Department Chair	B.S.- Colorado State University
Marci Henry	Director- Athletics/Health, Human Performance and Sport/Event Center	A.A.- Northeastern Junior College  B.A.- University of Northern Colorado  M.A.- Colorado State University
Drew Herder	Assistant Director- Food Services	
Deena Hershfeldt	Custodian I	
Jason Hill	Welding Faculty	A.A.S- Southeast Community College
David Huss	Head Coach- Women's Basketball	B.S.- Wayne State University  M.A.- University of Northern Iowa
Tammy Jensen	Custodian I	
Kodi Johnson	Director- Student Success, Equity and Inclusion	B.S.- Colorado State University  MBA- West Texas A&M University

Name	Title	Degree
Andrew Kachel	Head Coach- Baseball	A.S.- Northeastern Junior College  B.S.- Colorado State University-Pueblo  M.A.- Adams State University
Alexes Kaiser- Ertle	Administrative Assistant II	A.A.S.-Northeastern Junior College
Dan Kelley	Pipe/Mechanical Trades II	
MacKenzie Kembel	Director- Business & Cosmetology	B.A.- University of Colorado  M.S.- Colorado State University- Global
Amanda Kerker	Business Faculty	A.A.- Northeastern Junior College  B.S.- University of Northern Colorado  M.B.A.- Upper Iowa University
Ashley Kissell	Administrative Assistant II	
Shane Kloberdanz	Structural Trades II	
Tracey Knox	Director - Physical Plant	
Carrie Knudson	Director- Concurrent Enrollment	A.A.- McCook Community College  B.A.- Metropolitan State University of Denver  M.A.- Adams State College
Veronica Koehn	Director- Academic Excellence	B.A.- University of Colorado-Denver  M.A.- University of Colorado- Denver  Ph.D.- University of Denver
Liz Krise- Thompson	Nurse Aid Coordinator	R.N.- Northeastern Junior College
Nancy Kugler	English Instructor	B.A.- University of Northern Colorado  M.A.- University of Northern Colorado
Kelly Kuntz	Education to Career Coordinator	A.A.- Northeastern Junior College  B.S.- Colorado Christian University
Rebeka Laible	Administrative Assistant II	B.A.- Chadron State College

Name	Title	Degree
Matthew Lechman	Custodian I	
Lisa LeFevre	Vice President - Finance & Administration	B.S.- Colorado Mesa University
Rochelle Lenox	Transition Specialist	B.A. & B.S.- Colorado State University M.Ed.- Colorado State University
Brian Lewton	Economics Faculty	B.S.- Colorado State University M.S.- University of Wyoming
Lee Lippstrew	Instrumental Music & Recording Faculty	B.S.- University of Colorado at Denver M.A.- University of Nebraska-Kearney
Samantha Mahaffey	Nursing Faculty	A.A.S.- Morgan Community College B.S.N.- Chamberlain College of Nursing M.S.- Western Governor's University
Ashley Marostica	Nursing Faculty	B.S.N.- University of Nebraska M.S.N.- Regis University
Ken McAlpine	Head Coach- Women's Soccer	B.S.- University of Pikeville M.A.- University of San Francisco
Justina McCracken	Biology Faculty	B.S.- Colorado State University M.S.- Colorado State University
Judy McFadden	Controller	A.A.- Northeastern Junior College B.S.- University of Northern Colorado
Melinda McKay	Custodian I	
Jody McKean	Library Technician II	
Lindsey McPeake	Animal Science/Livestock Judging Coach	A.S.- Linn-Benton Community College B.S.- Colorado State University M.A.- Oregon State University

Name	Title	Degree
Kelli Moe	Administrative Assistant III	A.A.- Northeastern Junior College
Lauren Montoya	Administrative Assistant II	A.S.- Northeastern Junior College B.S.- Logan University
Amanda Morgan	Versatility Ranch Horse and Horse Judging Coach	B.S.- Colorado State University
Bronson Moton	Assistant Hall Director - Herboldsheimer Hall Assistant Coach- Men's Basketball	B.S.- Colorado State University- Pueblo
Ben Murray	Fire Science Program Coordinator	
Rene Nava	Assistant Director- Financial Aid	B.A.- University of Texas- RGV MRE- Liberty University
Erin Owens	Foundation Coordinator	A.A.- Northeastern Junior College
Tami Patten	Technical Systems Analyst	A.A.- Northeastern Junior College B.S.- Regis University
Doris Patton	Custodian I	
Layton Peterman	Automotive Service Technology Faculty	A.A.- Western Nebraska Technical College ASE Certifications
Amber Piel	Administrative Assistant III	A.G.S.- Northeastern Junior College B.S.- Colorado State University
Larry Pollart	Animal Science Faculty	B.S.- Colorado State University M.A.- University of Wyoming
Todd Puffinbarger	Custodian III	
Jesse Quinlin	College Communications Director	B.A.- Western Colorado University
Karen Ramey-Torres	Vice Chair- Advisory Council	
Heather Reid	RISE Grant Project Manager	B.S.- Colorado State University
Julie Rhine	Cosmetology Faculty	Cosmetology License- Bernal School of Cosmetology
Julie Rhodes	Science Specialist	A.S.- Northeastern Junior College B.S.- University of Northern Colorado

Name	Title	Degree
<a href="#">Brady Ring</a>	Director- EMS/Fire Science Education Programs	A.A.S.- Northeastern Junior College
<a href="#">Chief Lavon Ritter</a>	Fire Science, EMS, Health and Safety Instructor	
<a href="#">Maria Roberts</a>	Professional Tutor	M.A.- Bread Loaf School of English-Middlebury College
<a href="#">Samantha Roberts</a>	Assistant Director - Human Resources	B.S.- Colorado Christian University
<a href="#">Nathan Robinson</a>	Theater Faculty	B.A.- West Texas A & M University  M.F.A.- Rutgers University
<a href="#">Kade Roelle</a>	Academic Technology Coordinator	A.A.- Northeastern Junior College  B.S.- Colorado Christian University
<a href="#">Jason Rohm</a>	Diesel Technology Faculty	A.S.- Western Nebraska Community College  ASE Certifications
<a href="#">Jimmy Romero</a>	Custodian I	
<a href="#">Leslie Rosa</a>	Library Technician III	A.A.S.- Northeastern Junior College
<a href="#">Camille Rose</a>	Director- Admission & Recruitment	B.S.- University of Nebraska at Kearney  M.Ed.- Grand Canyon University
<a href="#">Lyle Rose</a>	Structural Trades III	
<a href="#">Shawn Rose</a>	President's Executive Assistant	A.A.S.- Northeastern Junior College
<a href="#">Clint Rothell</a>	Philosophy Faculty	B.A.- Biola University  M.A.- Biola University
<a href="#">Athena Roys</a>	Student Outreach Coordinator	A.A.S.- Front Range Community College
<a href="#">Lisa Schaefer</a>	Registrar	A.A.- Northeastern Junior College  B.S.- Colorado State University  M.A.- University of Northern Colorado
<a href="#">Brian Schaefer</a>	Assistant Athletic Director, Game Management Director	A.S.- Northeastern Junior College  B.S.- Colorado State University
<a href="#">Greg Schehrer</a>	Structural Trades II	

Name	Title	Degree
<a href="#">Andrew Scott</a>	Auto/Diesel Faculty	A.A.S.-Northeastern Junior College  ASE Certifications
<a href="#">Annie Shalla</a>	Director- Fiscal Services	A.A.- Northeastern Junior College  B.A.- University of Northern Colorado
<a href="#">Steve Shalla</a>	Electrical Trades II	A.A.- Northeastern Junior College  B.A.- University of Northern Colorado
<a href="#">Steven Smith</a>	Vice President- Student Services	A.A.- Hillsborough Community College  B.A.- University of South Florida  M.A.- University of South Florida
<a href="#">Marylu Smith-Dischner</a>	Yuma Campus Coordinator	
<a href="#">Sam Soliman</a>	Vice President- Academic Affairs	B.A.- Bethel University  M.Div.- Yale University  M.P.A.- Indiana University
<a href="#">Vanessa Soliz</a>	Finish What You Started Coordinator	A.A.- Eastern Wyoming College  B.A.- University of Wyoming
<a href="#">Madison Solverud</a>	Assistant Hall Director - WGRB	A.A.- Northeastern Junior College  B.S.- Metropolitan State University of Denver
<a href="#">Timothy Stahley</a>	Director- Resident Life/Student Activities	B.S.- Oklahoma State University
<a href="#">Snow Staples</a>	Student Success Specialist	B.S.- Colorado State University-Pueblo
<a href="#">Sarah Stone-Robinson</a>	International Student Coordinator	B.A.- West Texas A&M University
<a href="#">Kevin Stump</a>	Physics/Math Faculty	B.S.- Fort Lewis College  M.A.- University of Northern Colorado

Name	Title	Degree
Debra Stump	Anatomy & Physiology/Biology Faculty	B.S.- Colorado State University D.V.M.- Colorado State University Ph.D.- Colorado State University
Katie Thompson	Chemistry Faculty	B.S.- Colorado State University M.S.- University of Nebraska Kearney M.S.- Ohio University
Eddie Trenkle	Head Coach- Men's Basketball	A.A.- Northeastern Junior College B.S.- Idaho State University M.P.E.- Idaho State University
Catheryne Trenkle	Director- Academic Support Services	B.S.- Idaho State University M.Ed.- Lamar University
Ashley Unrein	Director- Financial Aid	B.S.- Colorado State University
Harlie Valentine	Assistant Coach- Women's Soccer Assistant Hall Director- Poole Hall	
Kris Van Deraa	Yuma ESL Instructor	
Chance Vang	Head Coach- Men's Soccer	A.A.- Northeastern Junior College B.S.- University of Wisconsin-Parkside
Andrea Wasson	Administrative Assistant III	B.S.- Colorado State University
Leslie Weinsheim	Director- Institutional Research, Planning & Development	B.S.- Franklin University M.B.A.- Marylhurst University
Allison Wernsman	Accounting Faculty	A.A.- Northeastern Junior College B.A.- Colorado State University M.S.- Colorado State University
James Westfield	Assistant Coach- Men's Soccer	B.B.A – Wayland Baptist University M.A.T – Hastings College

Name	Title	Degree
Mike White	President	B.S.- University of Colorado M.A.- Webster University
Sharon White	Renewable Energy Faculty	
Gabriel Wiest	Assistant Coach- Women's Basketball	B.S.- Fresno State University M.A.- Fresno State University
Philip Wilson	Custodian I	
Shelby Winchell	Equine Management Faculty Rodeo Coach	B.S.- Chadron State College
Jason Winter	Industrial Automation Faculty	B.A.- Chadron State College
Jill Yocom	Assistant Event Center Manager	B.S.- Colorado State University Certified Strength & Conditioning Specialist (CSCS) National Strength & Conditioning Association (NSCA)
Brenda Zink	Department Chair- Health, Science & Math Health, Science & Math Faculty	A.A.- Northeastern Junior College B.S.- University of Northern Colorado M.A.- University of Northern Colorado



## Emeriti Staff

\*Ken Amen – *Professor Emeritus of Equine Science.*  
\*John “Jack” Annan – *Emeritus Vocational Counselor.*  
\*Leo Armstrong – *Professor Emeritus of Science.*  
\*Ronald Bailey – *Emeritus Dean of Instruction.*  
Karen Bargell – *Professor Emeritus of Secondary Med-Prep.*  
Pam Berns – *Professor Emeritus of English/Speech/Humanities.*  
\*Norman Berry – *Professor Emeritus of Science.*  
\*Geraldine Bodkin – *Professor Emeritus of Reading and Study Skills.*  
Ronda Bowey – *Emeritus Director of Student Success/Concurrent Enrollment.*  
Ed Brandt – *Professor Emeritus of Physical Education.*  
Carol Brom – *Professor Emeritus of Emergency Medical Services.*  
Mike Brownell – *Professor Emeritus of Agriculture/Soils.*  
Betty Brunner – *Professor Emeritus of Practical Nursing.*  
Bruce Bryden – *Emeritus Dean of Students.*  
\*Roland “Bud” Christian – *Professor Emeritus of English and Speech.*  
David Coles - *Professor Emeritus of Chemistry & Astronomy.*  
\*Dorothy Corsberg – *Professor Emeritus of Humanities.*  
\*Jack Dietz – *Professor Emeritus of Psychology.*  
Kala Doane – *Professor Emeritus of Ag Business Management.*  
James Dorland – *Professor Emeritus of Secondary Automotive Technology.*  
\*Roy Edwards – *Professor Emeritus of Physical Education*  
Edith Evans – *Professor Emeritus of Business and Science.*  
\*Kent Ewing – *Professor Emeritus of Agricultural Diesel Equipment.*  
Glen Fackler – *Professor Emeritus of Accounting.*  
Don Fender – *Professor Emeritus of Automotive Technology.*  
Patricia Fox – *Emeritus Executive Director for Centralized Services.*  
\*Ervin S. French – *Professor Emeritus.*  
\*Walter Gall, Jr. – *Professor Emeritus of Economics.*  
Jim Gann – *Professor Emeritus of Auto Body Repair.*  
\*Lee Gentry – *Professor Emeritus of Business.*  
Judy Giacomini – *Emeritus Vice President of Student Services.*  
\*Willie Gore - *Professor Emeritus of Biology.*  
Arllys Hanson – *Professor Emeritus of Mathematics.*  
\*Zane Hays – *Emeritus Vice President of Instruction.*  
Renee Johnson – *Emeritus Director of Human Resources.*  
\*Hilbert Kahl – *Emeritus Dean of Occupational Education.*  
Tammy Kallsen – *Emeritus Director of Human Resources.*  
\*Louise Kelly – *Professor Emeritus of Business.*  
\*Richard Kelly – *Professor Emeritus of Physics.*  
\*Richard Kuebler – *Professor Emeritus of Theatre.*  
Rita Lambrecht Thompson – *Professor Emeritus of Business/Marketing.*  
\*Bill Lanham – *Professor Emeritus of Physical Education.*  
Bessie Jean Langdon – *Professor Emeritus of Practical Nursing.*  
Nancy Mann – *Emeritus Study Skills Coordinator.*  
Janie Marin – *Emeritus Director of Bookstore.*  
\*James May – *Professor Emeritus of Automotive Technology.*  
Carol McBride-Graybill – *Emeritus ABE/GED/ESL Coordinator.*  
Dr. Allen Meyer – *Emeritus Dean of Adult, Career and Technical Education.*  
Joe Mills – *Professor Emeritus of Humanities.*  
Ronda Monheiser – *Professor Emeritus of Business.*  
\*Ralph Moyer – *Professor Emeritus of Social Science.*  
Daniel Z. Muggli – *Emeritus Controller.*  
Allen Nelson – *Professor Emeritus of Animal Science.*  
Shelby Nichols - *Professor Emeritus of Chemistry.*  
\*Hal Perry – *Professor Emeritus of Business.*  
\*Orville Pieper – *Professor Emeritus of Agriculture.*  
Bob Plank – *Professor Emeritus of Business.*  
\*Charles N. Podraza – *Professor Emeritus of Mathematics.*  
\*Charles F. Poole – *Founding Chief Executive Officer/President Emeritus.*  
Harry (Clay) Prall – *Professor Emeritus of Mathematics.*  
Larry Prestwich – *Professor Emeritus of Art/French.*  
Brenda Rhodes – *Professor Emeritus of Business.*  
F.R. Roche – *Emeritus Dean of Student Services.*

\*Lowell Rounph – *Professor Emeritus of Physical Education.*  
Paul Schmidt – *Professor Emeritus of Computer Science.*  
\*Merle Sherman – *Professor Emeritus of Business.*  
Lisa Shinn – *Professor Emeritus of Ag Business Management.*  
\*Don Short – *Professor Emeritus of Social Science.*  
\*Jerry W. Spoon – *Professor Emeritus of English and Philosophy.*  
\*C.R. Stasenka – *Professor Emeritus of Music.*  
Jim Stegman – *Professor Emeritus of English.*  
Judy Szabo – *Professor Emeritus of English/Reading.*  
Bart Thiele – *Emeritus Director of Student Life.*  
Mike Vair - *Professor Emeritus of Math.*  
Cyndi Vandenbark – *Emeritus Director of Academic Technology.*  
Robert Wagner – *Professor Emeritus of English and Music.*  
Debra Walker – *Professor Emeritus of Accounting.*  
Darrell Wood – *Professor Emeritus of English.*  
Sheila Worley – *Professor Emeritus of Physical Education.*  
Kent Wright – *Professor Emeritus of Automotive Technology.*  
Tracy Yahn - *Emeritus Coordinator of EMS/Fire Science Training.*  
Peter L. Youngers – *Emeritus Associate Dean of Humanities and Human Services.*  
\*Deceased

## Northeastern Junior College Foundation

The Northeastern Junior College Foundation is an organization designed to promote the welfare of Northeastern Junior College through charitable, scientific, literary and educational purposes. The Foundation’s main function is to encourage, receive and administer gifts and bequests of any property given in trust or any other manner to the Foundation, in order to accommodate the wishes of the donors.

# Academic Calendar

Date	Day	Summer Intercession Term, May 16-27, 2022
May 15	Sunday	Move-In Day--Summer Intercession Term Residents Only 9:00AM to 4:00PM
May 16	Monday	Summer Intercession Term Classes begin
May 17	Tuesday	Last day to Add Summer Intercession Term Classes
May 17	Tuesday	No-Shows Deadline
May 17	Tuesday	Last Day to Drop (Census Date)
May 17	Tuesday	Last Day to Withdraw from Summer Intercession Term Classes with "W" Grade
May 25	Wednesday	Last Day of Summer Intercession Term Classes
May 27	Friday	Grades due by 10:00PM
May 30	Monday	Memorial Day
Summer Session (5 week) May 31-July 1		
Summer Session (7 week) May 31 -July 15		

Date	Day	Fall Intercession Term August 8-August 19, 2022
August 6	Sunday	Move-In Day for Fall Intercession Term 9:00AM-4:00PM
August 7	Monday	Fall Intercession Term Classes begin
August 8	Tuesday	Last day to Add Classes
August 8	Tuesday	No-Show Deadline
August 8	Tuesday	Last day to Drop (Census Date)
August 16	Wednesday	Last day to Withdraw from Fall Intercession Term classes with "W" grade
August 18	Friday	Last Day of Fall Intercession Term Classes
August 21	Monday	Final Grades Due by 10:00PM

Date	Day	Fall Full Term 2022, August 22-December 16, 2022
August 4	Friday	Academic Appeals and Financial Aid Appeals Due by 4:00PM
August 7	Monday	Academic Standards Review of Appeals
August 14	Monday	New Faculty Orientation/Registration Day
August 15	Tuesday	AM-Office Hours/PM- All Staff & Faculty In-Service
August 16	Wednesday	PM- Faculty In-Service
August 17	Thursday	Move-In Day-New Students ONLY; Residence Halls Open 9:00AM-4:00PM
August 18	Friday	Required Orientation for New Students/Registration/Advising
August 18	Friday	Move-In Day for Returning Students Noon to 4:00PM
August 19	Saturday	New Student Orientation Day/Activities
August 20	Sunday	New Student Orientation Day/Activities
August 21	Monday	All Classes Begin
August 25	Friday	Last Day to Add classes
August 28	Monday	No-Shows Deadline
September 4	Monday	Labor Day-No Classes
September 6	Wednesday	Last Day to Drop Classes (Census Date)
September 11-15	Monday-Friday	"Early Alert" Grades due
October 6	Friday	All Fall Graduation Applications Due

Date	Day	Fall Full Term 2022, August 22-December 16, 2022
October 13	Friday	Mid-semester Break (no classes)
October 19	Thursday	Mid-term Grades Due by 10:00PM
October 30	Monday	All Student Advising Day (No Daytime Classes)
October 30	Monday	Registration, Spring Semester 2023 Begins for Current Students-7:00AM
November 8	Wednesday	Open Registration for Spring Semester 2023 begins
November 10	Friday	Northeastern Preview Day
November 16	Thursday	Last Date to Withdraw Full-term Classes with "W" Grade
November 17	Friday	Check Out Day--Residence Halls Close at 5:30 PM
November 20-24	Monday-Friday	Semester Break/Thanksgiving Holiday (No Classes)
November 26	Sunday	Residence Halls open at 9:00AM
December 11	Monday	Last Class Day (Day Classes)
December 12-15	Tuesday-Friday	Final Exams Day Classes
December 15	Friday	Cafeteria Closes at 1:15PM
December 15	Friday	Check Out Day--Residence Halls Close at 5:30PM
December 18	Monday	Final Grades Due by noon

Date	Day	Spring Intercession Term, January 3-January 13, 2023
January 2	Monday	Check In Day--Spring Intercession Term Residents Only 3:00PM to 5:00PM
January 3	Tuesday	Spring Intercession Term Classes begin
January 4	Wednesday	Last Date to Add Spring Intercession Classes
January 4	Wednesday	No-Shows Deadline
January 4	Wednesday	Last Date to Drop Spring Intercession Term Classes
January 11	Wednesday	Last Date to Withdraw from Spring Intercession Term Classes with "W" Grade
January 13	Friday	Last day of Spring Intercession Term Classes
January 16	Monday	Final Grades Due by 10:00PM

Date	Day	Spring Full Term 2023, January 17-May 12, 2023
January 6	Friday	Academic And Financial Aid Appeals Due by 4:00PM
January 9	Monday	Academic Standards Review of Appeals
January 12-13	Thursday-Friday	In-Service
January 16	Monday	Move-In Day-Residence Halls Open 9:00-4:00- Cafeteria Opens w/Evening Meal
January 16	Monday	Academic Advising Day - All Students
January 16	Monday	New Student Orientation
January 17	Tuesday	Spring Semester Full Term Classes Begin
January 23	Monday	Last Day to Add New Classes
January 24	Tuesday	No-Shows Deadline
February 1	Wednesday	Last Day to Drop Classes (Census Date)

Date	Day	Spring Full Term 2023, January 17-May 12, 2023
February 6-9	Monday-Thursday	"Early Alert" grades due
February 16	Thursday	All Spring Graduation Applications Due
February 17	Friday	NO CLASSES--February Break
February 20	Monday	Preview Day
March 1	Wednesday	Registration for Summer 2023 begins
March 10	Friday	Residence Halls Close at 5:30PM
March 13	Monday	Registration for Summer 2023 begins; Registration for Fall 2023 begins
March 13-17	Monday-Thursday	Spring Break (No Classes)
March 19	Sunday	Residence Halls Re-open at 9:00AM
March 22	Wednesday	Mid-term Grades Due by 10:00PM
March 28	Tuesday	Associated Student Government Elections
April 5	Wednesday	NO CLASSES-Advising Day; AM Office hours; PM new students
April 7	Friday	Preview Day
April 21	Friday	Last Day to Withdraw from Full-term Classes with "W" Grade
May 8	Monday	Last Class Day (Day Classes)
May 9-12	Tuesday-Friday	Final Exams Day Classes
May 12	Friday	Cafeteria closes at 12:00 noon
May 12	Friday	Commencement Exercises- Bank of Colorado Event Center, 2:00PM
May 12	Friday	Move Out Day-- Residence Halls close at 5:30PM
May 15	Monday	Final Grades Due by 10:00PM

Date	Day	Summer Intercession Term, May 15-26, 2023
May 14	Sunday	Move-In Day--Summer Intercession Term Residents Only 9:00AM to 4:00PM
May 15	Monday	Summer Intercession Term Classes begin
May 16	Tuesday	Last day to Add Summer Intercession Term Classes
May 16	Tuesday	No-Shows Deadline
May 16	Tuesday	Last Day to Drop (Census Date)
May 16	Tuesday	Last Day to Withdraw from Summer Intercession Term Classes with "W" Grade
May 24	Wednesday	Last Day of Summer Intercession Term Classes
May 26	Friday	Grades due by 12:00 noon
May 29	Monday	Memorial Day
Summer Session (5 week) May 30-June 30		
Summer Session (7 week) May 30 -July 16		



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