



## **Academic Catalog**

# **Undergraduate and Graduate Programs**

**2016-17**

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## Welcome from the President

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

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

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

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

*Dr. Beverlee J McClure, President*  
[adams.edu/president](http://adams.edu/president)

## About Adams State

Adams State officially became a university on August 7, 2012, transitioning from the "Adams State College" name. A new era of growth has seen enrollment records broken over the last several years, and \$104 million worth of new construction and renovations have transformed the campus over the last decade, including state-of-the-art academic buildings, student residence halls, and athletic facilities.

Adams State University maintains its historical commitment to student access. Adams State emphasizes its service as a gateway to opportunity for San Luis Valley residents, continuing its tradition of working with underserved populations, including underrepresented minorities, first-generation and low-income students. About 30 percent of Adams State undergraduate students come from San Luis Valley high schools.

As one of Colorado's most cost-effective post-secondary institutions, Adams State University initiated the state's first Guaranteed Tuition program for undergraduates studying on campus.

## Academic Excellence

We are responsive to the needs of our diverse student body and take pride in exceptional teaching and learning. Adams State offers almost 20 undergraduate degrees, 8 graduate degrees, distance learning, professional development credit, and customized degrees.

Supportive programs and a caring campus culture contribute to student success. Adams State faculty are genuinely committed to their students. Our students benefit from small classes, and they value individual attention and mentoring from highly qualified professors. Students are encouraged to become involved in the campus community and given the latitude to discover their strengths.

Graduates consistently say they were competitively prepared for professional careers as well as graduate school. Their experience at Adams State changed their lives.

## ***Diverse***

Adams State was Colorado's first four-year higher education institution to be federally designated a Hispanic Serving Institution (HSI). Adams State University received more than \$23.4 million in Title V grants for HSIs. Three grants valued at \$5.7 million were recently awarded to improve student engagement and success.

Our student body is highly diverse, with non-white students accounting for about half of undergraduates.

- 35% of undergraduate students identify as Hispanic
- 70% Colorado residents
- 49% are first-generation college students

Adams State has been recognized for the academic achievement of Hispanic and other minority students. A 2007 study by the American Association of State Colleges and Universities (AASCU) found Adams State had the third highest Hispanic graduation rate of all 435 AASCU member institutions.

## ***Affordable Value and Guaranteed Tuition***

Many students would not be able to attend college, if not for Adams State's affordability. We have a historic commitment to and tradition of working with underserved populations, including underrepresented minorities, first-generation, and low-income students. Among Colorado public higher education institutions, Adams State has the largest proportion of Pell-grant eligible undergraduates. Financial aid is awarded to more than 90 percent of Adams State students.

In Fall 2016, Adams State began offering Guaranteed Tuition to undergraduates enrolled in on-campus classes. Students are guaranteed no tuition increases through their fourth consecutive academic year of enrollments. This paired with Adams State's full-time tuition window, which charges a flat rate for 12 to 20 credits a semester, give students incentive to complete at least 15 credits a semester and graduate sooner.

## ***Greater options for students***

Adams State's recent growth is due to its accessibility and affordability, combined with expanded academic programs and exciting campus improvements. A four-year Bachelor of Science in Nursing, a Master of Business Administration, a master's in Higher Education Administration and Leadership and a doctoral counseling education program are among the new programs preparing students for careers in demand.

The Grizzly Athletic program is also expanding, with new varsity and JV teams, as well as club sports that give more students the opportunity to continue involvement in sports. Such options increase students' engagement with college and improve graduation rates.

## ***Environment for success***

A new student apartment building opened in fall 2010, offering contemporary housing for 65 students. Called "The Residences at Rex" and adjoining a new stadium complex, it is the centerpiece of Adams State's North Campus Transformation. Existing residence halls have also undergone extensive remodeling. A new campus green links student housing and recreation facilities with a pedestrian walkway leading to academic buildings.

A new Student Success Center on the first floor of the Nielsen Library serves as a "one-stop" for the university's various academic support programs. The Student Union Building's cafeteria was recently refurbished as well. The athletic facility was also recently remodeled and expanded. Adams State is beginning additional projects to renovate two academic buildings and a concert hall and further expand on-campus parking.

## ***Serving Southern Colorado***

Adams State University is the Regional Education Provider (REP) for Southern Colorado. This role relies upon the college's strong on-campus and distance education programs. Adams State is the leader in providing graduate programs in education and counseling around the state. Our Extended Campus also

offers a range of professional development and noncredit courses available online, via correspondence, and at various sites across the state.

The university dedicates its resources, energy, and vision to meeting needs of the San Luis Valley and Colorado. Adams State is crucial to enhancing the area's Educational Opportunity, Economic Development, and Cultural Enrichment.

## ***Accreditation***

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

For more information, visit <https://www.adams.edu/hlc/index.php>.

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

## ***Buildings/Campus Tour***

[tour.adams.edu](http://tour.adams.edu)

The 97-acre Adams State University campus is characterized by excellent facilities, with \$40-50 million more improvements underway, made possible by a student approved capital construction fee. The transformation includes upgraded student housing, remodeled academic buildings, new athletic fields, a new stadium complex, and new parking lots.

## **The Nielsen Library**

[library.adams.edu](http://library.adams.edu)

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

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

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

## Instruction Buildings

Adams State University's academic facilities all feature the latest technology and computer equipment for all disciplines and is pleased to announce upgrades through several remodel projects.

- The **Music Building**, renovated in 2011, has state-of-the-art music technology and meets modern acoustical standards. The building has a new recording studio, two rehearsal halls, a percussion studio, four new practice rooms, and new furnishings and musical instruments.
- **McDaniel Hall**, formerly the Education and Social Sciences Building, was also remodeled in 2011 and offers an optimal learning environment with technology enhanced classrooms and multiple study areas.
- **Leon Memorial Concert Hall** is a newly upgraded recital venue with new seating and acoustic enhancements and features a Steinway grand piano and historic pipe organ.
- The **School of Business** was remodeled in 2004 and features SMART classrooms, lecture halls, and advanced computing labs.
- The **Adams State Theatre**, equipped with two modern stages, lighting, and production equipment, opened in 2001.
- In 2000, an **Art Building** was created with a SMART classroom, a circular gallery, and modern studio facilities for ceramics, sculpture, metals, fiber, painting, drawing, photography, printmaking, and graphic design.
- **Porter Hall**, opened in 1998, houses the science and mathematics programs and was specifically designed to house modern laboratories and computer labs. It features the Edward Ryan Geological Museum.
- The **Zacheis Planetarium and Observatory**, remodeled in 2012, offers Adams State students unique opportunities to expand their knowledge and experience well beyond the classroom through interaction with the public or individual research projects.
- The **SLV Center for Clinical Excellence** has one of the top simulation laboratories in the nation. Our nursing students are well prepared for clinical experience with instruction that features state-of-the-art medical equipment, simulation technology including a \$65,000 computerized

mannequin, and the only lab in a three-state area with an actual Pyxis Medication Station.

## Student Union Building

The SUB is the lively, friendly hub of the campus. It houses the One Stop Student Services Center, La Mesa Dining Hall, the Bookstore, ASAP (outdoor equipment rental), and Student Life Office. Also located in the SUB are offices of the student government, student newspaper, radio station and a 24-hour computer lab. Other facilities include a food court, coffee shop, convenience store, study rooms, meeting rooms, and the Loft with snacks, games, and television sets.

## Rex Activity Center

Rex Activity Center is a lively facility for fitness, wellness, and recreation. It has state-of-the-art cardiovascular equipment and offers a variety of fitness options, including aerobic sessions, weight training, racquetball, basketball, volleyball, and an 1,800-square-foot climbing wall. It is a great place to get in shape and meet friends.

## Plachy Hall

The center of physical and recreational activities on campus is Plachy Hall and its surrounding grounds. The facility houses an indoor track, two basketball courts, a modern weight room and indoor Olympic-size swimming pool. All facilities and equipment are available for general student use. It is adjacent to soccer, lacrosse, softball, and football fields, as well as Rex Stadium and outdoor track.

## Richardson Hall

The oldest building on campus, the administration building was named after the college's first president, Ira Richardson. Remodeling of this historic building started in March 2014 and will be completed in 2015. Located here are Upward Bound, Counseling and Career Services, the Nursing Department, the San Luis Valley Center for Clinical Excellence, classrooms, an auditorium, the Luther Bean Museum and Art Gallery, the Welcome Center, and administrative offices, including the Office of Student Affairs, the Office of the

President, Enrollment Management and Program Development, Academic Affairs, and the Graduate School Office.

## **Residence Halls**

The residence halls vary in size, accommodation, lifestyle, and regulations. There is a living group to match each student's preference.

## **History**

Adams State University, founded in 1921 by the Colorado General Assembly, opened June 15, 1925. The name Adams State honors long-time San Luis Valley resident William "Billy" Adams, former state senator and Colorado governor who tirelessly pursued establishment of the college.

Since 1925, the university has grown from a Normal School that offered a Bachelor of Arts degree in education with a life certificate to teach in Colorado public schools, to an institution offering Bachelor of Science, Bachelor of Arts, Bachelor of Fine Arts, Master of Arts, Master of Science, associate degrees, and selected preprofessional programs of study. Adams State has historically made important contributions to educational opportunity, economic development, and cultural enrichment in Southern Colorado. Adams State University maintains its vital role as a leader in teacher education throughout southern and western Colorado and is the region's primary provider of selected graduate teacher education programs.

## **Location**

Adams State University is located in Alamosa, Colorado, a city of 10,000 people. Situated in the San Luis Valley in south-central Colorado, the campus is surrounded by the breathtaking beauty of the Sangre de Cristo and San Juan mountain ranges. With peaks towering more than 14,300 feet, the mountains provide a variety of winter and summer activities and account for the brisk winter nights and sun-filled days for which the Valley is known. A sense of history and adventure unique to the Southwest creates an environment conducive to both academic and social growth. Denver is 220 miles to the

north, and Albuquerque, New Mexico, is 200 miles to the south. Within a two-hour drive are five ski areas and historic towns such as Taos, Santa Fe, and Creede.

## **[Explore the San Luis Valley](#)**

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

The following Web sites provide more information about the area:

- [alamosa.org](http://alamosa.org)
- [nps.gov/grsa](http://nps.gov/grsa)
- [loscaminos.com](http://loscaminos.com)
- [wolfcreekski.com](http://wolfcreekski.com)

## **Mission and Vision**

### ***Mission Statement***

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

### ***Vision Statement***

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

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

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

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

## Office Hours

Except Saturdays, Sundays, and legal holidays, the administrative staff of the university maintains office hours from 8 a.m. to noon and 1 p.m. to 5 p.m. (summer hours are from 7:30 a.m. to noon and 1 p.m. to 4:30 p.m.). Some offices are open through the lunch hour, including Admissions, Extended Studies, Records, Financial Aid, External Affairs, Computing Services and the Business Office. If consultations with the president or other members of the staff are desired, it is advisable to request an appointment.

## General Information and Policies

### *Academic Calendar*

[calendar.adams.edu](http://calendar.adams.edu)

### *Academic Instructional Technology Center (AITC)*

[ait.adams.edu](http://ait.adams.edu)

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

### *Accessibility Services*

[adams.edu/ada](http://adams.edu/ada)

The Counseling Center manages services for students with disabilities, with assistance from Student Support Services, Nielsen Library first floor, 719-587-7632, and the Grizzly Testing & Learning Center (on the second floor of Nielsen Library), 719-587-8189. If you have, or suspect you have, a disability impacting your academic performance, you will need to provide documentation

of that disability to the Office of Equal Opportunity. A qualified professional who is licensed or certified to diagnose the disability in question must supply the documentation. To present their documentation for review and to arrange for timely accommodations, newly-admitted students with disabilities are encouraged to schedule an appointment with a staff member of the Office of Equal Opportunity prior to the start of an academic semester. Academic accommodations available to students with disabilities at Adams State may include, but are not limited to, extended time testing, interpreters, note-taker services, reader services (e.g., books on tape), and tutoring services.

Counseling Center

phone: 719-587-7746

location: Richardson Hall, third floor, suite 100

### *Adventure Program*

[asap.adams.edu](http://asap.adams.edu)

The Adams State University Adventure Program, established in 1925, is the third oldest college outdoor adventure organization in the country. The Adventure Program provides members of the Adams State community and residents of the San Luis Valley with programs and services that instill an appreciation for nature and outdoor pursuits. In addition, the Adventure Program offers students the opportunity to develop leadership skills through active participation in outings, workshops, and one-credit enrichment courses. The Adventure Program is located in the Rex Activity Center. The Adventure Program offers weekend outings, workshops and seminars, trip and equipment consultation, and a large inventory of outing equipment, which is available for rent at reasonable prices. For more information, contact the Adventure Program at 719-587-7813.

### *Alumni*

[adams.edu/alumni](http://adams.edu/alumni)

The mission of the Adams State University Alumni Association is to reach out to current alumni, future alumni, and the community to cultivate loyalty, pride,



and commitment to Adams State University. The association publishes a quarterly magazine for alumni and friends, sponsors homecoming and more than 30 other events for alumni across the country. The Alumni Association provides 10 scholarships to current students.

## ***Associated Students & Faculty (AS&F)/Student Government***

[studentlife.adams.edu](http://studentlife.adams.edu)

The Associated Students and Faculty Senate is the student governing body founded to promote cooperation between the students and faculty. AS&F Senate is made up of student and faculty representatives who are responsible for allocating funds to projects which improve the state of the campus. Each student who pays college service fees is a member of AS&F upon registration.

Elected officers of the student body and elected faculty members make up the AS&F Senate and are the point of contact for recommending matters pertaining to student life. There are two seats open to incoming freshmen on the AS&F Senate. The general social life, social programs, and other student activities of the college are directed through various arms of the AS&F Senate. The AS&F Senate is also a policy-recommending body to the college president.

Residence Hall Councils: Each residence hall has a governing council. The council assists the residence hall director in recommending policies pertaining to student life within the residence halls. The Residence Hall Council assists in coordinating functions among residence halls.

The due dates for petitions and platforms and the election date are published in the *Paw Print*. Inquiries about AS&F can be made to the AS&F Office, Student Union Building or phone 719-587-7948.

## ***Bookstore***

[bookstore.adams.edu](http://bookstore.adams.edu)

The University Bookstore, where students can purchase necessary textbooks, general reading books, supplies, gifts, soft goods, network supplies and art supplies, is located in the Student Union Building and is owned by Adams State University. Phone: 719-587-7912

## ***Campus Card***

[adams.edu/students/sub](http://adams.edu/students/sub)

The Campus Card is the identification system on campus. As well as a student ID, the Campus Card is also a debit card which can be used for purchase of on-campus goods and services. Deposits to the Campus Card may be made at the Office of Housing, the Business Office, the SUB Office, or at any automatic deposit machine. The card then can be used for purchases in the dining room, food court, bookstore, the SUB copy machine, retail stores and laundry machines. The matriculation fee covers the initial cost of the card. There is a \$10 replacement fee for lost or stolen cards. There are no required minimum deposits or monthly service charges. Balances and statements are available upon request and at various card terminals. Dependent cards are available to immediate family members of all students and to all faculty and staff who pay student fees. Dependent cards cost \$10 each.

## ***Campus Media***

Campus media at Adams State University operate under the sponsorship of AS&F and the Communications Board. Media on campus are the *Paw Print*, the official student newspaper; *Sand Hill Review*, the college literary magazine; and *KASF-FM*, the college radio station. Each is maintained by a student staff in consultation with a faculty advisor.

## ***Career Services***

[career.adams.edu](http://career.adams.edu)

Career counseling services are available to help students in the search for a rewarding major and career. Personality and interest inventories, workshops on resume/cover letter writing and other topics, and individual meetings with a counselor are available to

assist students with their educational and career planning. Workshops and presentations are provided throughout the school year. Job and internship search services are available to students and alumni, and an annual career fair is offered to students each spring semester. Numerous online career resources and Adams State's student/employer networking site are available from the Career Center's website. The Career Center is located on the first floor of the library, and the phone number is 719-587-7746.

### ***CASA House***

CASA (Cultural Awareness Student Achievement) is one of the many ways Adams State University, Colorado's premier Hispanic-Serving Institution, enriches and honors our Latino/a community, identity and heritage. The CASA house, opened March 2012, fosters an environment for all students and community that promotes learning, celebrates cultures, develops leadership and student success with a global perspective. In addition to the many cultural activities promoted through ASU CASA, all are welcome to visit our home-like environment for studying, eating, cooking, watching TV/movies, or just hanging out. Visit the CASA facebook page to learn about special events and activities.

### ***Center for Student Inclusivity***

Center for Student Inclusivity is a student run center which acknowledges, celebrates and promotes the diverse cultural experiences of each member of the Adams State University community. The center supports the intellectual, social and cultural development of students by offering opportunities for open dialogue concerning race, class, ethnicity, nationality, gender, sexual orientation and disabilities in a safe and supportive environment. The center sponsors a number of programs during the academic year and collaborates with academic departments and other campus offices to design and implement educational programs that support student learning and development. For more information contact the Assistant Director of Student Life at 719-587-8191.

### ***Class Attendance/Tuition & Fee Payment***

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

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

### ***Clubs and Organizations***

The university encourages the formation of clubs and organizations that further the interests and opportunities of students in a specified field of endeavor or recreation. For any organization or club to be chartered on campus, it must present a constitution to be approved by the AS&F Senate. Club funding is contingent on AS&F recognition and AS&F Senate approval. The diversity within the student body allows for a wide range of interests, knowledge, occupations, and backgrounds, which contributes to a unique learning experience. All students are encouraged to participate in the activities on campus. Opportunities are offered through athletic, educational, religious, social and service organizations. More information relative to specific clubs and organizations may be obtained from the AS&F Office, the Office of the Director of Student Life, or the Office of Student Affairs.

The following clubs and organizations have been active in recent years at Adams State University. More information regarding these organizations can be obtained from [Associated Students and Faculty \(AS&F\)](#).

- Adams Atoms
- Adams State Student Nurses' Association (ASSNA)
- AgBusiness Club
- American Choral Directors Association
- All Nations
- ASU Five Rivers Fly Fishing Club
- ASU Honor Society
- ASU Mathematics, Computer Science, and Engineering Club
- ASU Rugby
- ASU Students for the New Left
- Associated Students & Faculty
- Black Student Union
- Campus Crusade for Christ/Campus Fusion
- Chemistry Club (Adams Atoms)
- Circle K
- Climbing Club
- Dance Team (through Athletics Department — non-AS&F)
- Diversity and Multicultural
- El Parnaso
- Estudiantes Unidos
- Folklorico/Semillas de la Tierra
- Gay Straight Alliance
- Geology Club
- Grizzly Activity Board
- HPPE Club
- Karate Club
- KASF Radio
- Music Educators National Conference
- Model United Nations
- National Association for Music Education (NAfME)
- National Student Nurse Association
- Newman Club
- Pacioli Accounting Club
- *Paw Print* Student Newspaper
- Phi Beta Lambda
- Poker Club
- President's Council
- President's Honor Society
- Psychology Club
- *Sand Hill Review* Literary Magazine
- Science Fiction and Fantasy Guild

- Soccer Club (through Athletics Department — non-AS&F)
- Spanish Club
- Student Ambassadors
- SWAT Team (Students Working for the Awareness of Tobacco)
- Teacher Education Association
- Toastmasters
- Tri Beta
- Veterans Club

## ***Counseling and Career Services***

[ccc.sa.adams.edu](http://ccc.sa.adams.edu)

Counseling and Career Services offers assistance to students in their growth and development in academic, personal, and career areas. Personal and career counseling is available to all students, their spouses, and their children.

Free, confidential services are provided through individual sessions, couples counseling, family counseling, and group counseling. Issues commonly addressed include depression, addictions, relationships, stress, eating disorders, self esteem, grief, anger management, and more. Support groups are offered on an as needed basis, as well as outreach services including workshops, classroom presentations, and housing programs. Coordination of the Prevention Awareness Crew (PAC) is provided through the center. The PAC works across campus to help students make positive choices around use of alcohol, tobacco, and other drugs, as well as responsible sexual behavior, healthy choices around eating, and sexual assault prevention.

Career Services are located on the first floor of the library. Learn more about the services offered by visiting Richardson Hall Room 220, calling 719-587-7746 or checking our website.

## ***Day Care Center***

The Gingerbread House is a private, licensed childcare center that provides quality day care services when university is in session at a minimal cost for Adams State students with children ages 2 to 10 years. The day care

program includes hot lunch and two nutritious snacks daily, planned indoor and outdoor activities to meet both group and individual needs, and guided free play to stimulate self-discovery. Preschool sessions are also offered September through May. The Gingerbread House is located at 318 Girault Avenue, 719-587-7162.

## ***Dining Services***

[adamscampusdining.com](http://adamscampusdining.com)

Adams State Campus Dining Services provides meals and refreshments for the campus community. La Mesa Dining Hall offers nutritious, balanced meals for students on a board plan or for the campus community to enjoy. There are a variety of meal options to choose from, including various meal plans in the La Mesa Dining Hall and flexi-dollars.

## ***Events and Scheduling***

### ***Events Calendar***

### **Scheduling Guideline**

The following campus events scheduling guideline has been prepared and endorsed by those groups involved in most scheduling of campus events (e.g., student activities, program council, music/theater) and will be used to minimize schedule conflicts of campus events and to allow adequate time for effective promotion and publicity in the media.

Contracts for use of facilities are to be submitted to the appropriate office for authorization:

- Academic facilities must be submitted to the respective academic department.
- Student Union Building (SUB) facilities must be submitted to the SUB director.
- Plachy Hall athletic facilities must be submitted to the office of the athletic director.
- Leon Memorial and Richardson Hall Auditorium must be submitted to the office of the guest services coordinator.

If promotion and media publicity (e.g., news releases or advertising) are desired, the Communications

Department should be notified at least two weeks before the event.

## ***Extended Studies***

Adams State University Extended Studies delivers many of the same high-quality courses and programs offered on campus using the flexibility of distance delivery. Extended Studies connects with more than 11,000 students, with more than 19,000 enrollments, and 1,100 Adams State and affiliate faculty globally to provide quality learning and teaching opportunities. From personal enrichment courses to distance degree programs, Extended Studies offers educational opportunities to fit a wide range of student needs. The delivery methods include face-to-face, online, video, and print-based courses designed to make learning more convenient and relevant for all types of learners.

Extended Studies works closely with Adams State's academic departments in fulfilling the college mission of providing educational opportunities to students in rural areas or who are otherwise unable to attend the residential campus. Extended Studies works with student cohorts and individual students to provide individual courses and/or entire programs.

Quality assurance, when applied to degrees, programs and courses delivered by Extended Studies, addresses both the academic and operational components. *Academic* refers to the criteria and processes used to monitor the extent to which the degrees, programs and courses address Extended Studies, Adams State University, Colorado Department of Higher Education (CDHE) and the Higher Learning Commission criteria. *Operational* refers to the ability of Extended Studies faculty and staff to deliver degrees, programs and courses in both an efficient and effective manner.

Course and distance degree information, application and registration forms, and answers to frequently asked questions are online at [exstudies.adams.edu](http://exstudies.adams.edu) or by telephone at 800-548-6679 or 719-587-7671.

## Undergraduate Distance Degree Programs (through Extended Studies)

- Associate of Arts
- Associate of Science
- Associate of Arts in Business Administration
- Associate of Science in Business Administration
- Associate of Arts in Criminal Justice Administration
- Associate of Arts in Emergency Management
- Bachelor of Arts in Business Administration
  - Emphasis Areas: applied business and general business
- Bachelor of Science in Business Administration
  - Emphasis Areas: agribusiness, accounting, general business, health care administration, legal studies, management, marketing, and small business management
- Bachelor of Arts in English
- Bachelor of Arts in HAPS (political science emphasis)
- Bachelor of Arts in HAPS (history emphasis)
- Bachelor of Arts in Interdisciplinary Studies (non-licensure)
- Bachelor of Arts in Sociology
  - Emphasis Areas: criminology, criminology- corrections, criminology-law enforcement, social welfare

## Graduate Off-Campus Degree Programs

Graduate programs are delivered through the Graduate School. Program preparation for endorsements and/or licenses is offered in the following areas:

- Master of Arts in Education
  - with Curriculum and Instruction Emphasis
  - with Educational Leadership Endorsement (principal licensure)
  - with Linguistically Diverse Education Endorsement
  - or with Reading Teacher Endorsement
- Master of Arts in Higher Education Administration and Leadership
- Master of Arts in Human Performance and Physical Education with emphasis in Coaching

- Master of Arts in Counseling with emphases in clinical mental health, student affairs, and school counseling
- Master of Arts in Humanities with emphasis in American History
- Master of Arts in Music Education
- Master of Arts in Special Education Generalist with Special Education Generalist Endorsement
- Master of Business Administration
  - with emphases in:
    - Accounting
    - Health Administration
    - Leadership
    - Public Administration

Contact Extended Studies at 800-548-6679, [exstudies.adams.edu](http://exstudies.adams.edu) or the Graduate School at 866-407-0013, [gradschool.adams.edu](http://gradschool.adams.edu).

## Other Extended Studies Services

Adams State University Extended Studies offers customized education, training courses and services.

- Professional Development
- Teacher In-Service Credit
- Educational Conference Credit
- Customized Certificate Programs
- College at High School (C@HS) - C@HS is designed to provide Adams State college-level courses to junior and senior high students by high school teachers on high school campuses.
- Independent Study -- More than 200 undergraduate and graduate titles available (correspondence: print- and Web-based)
- Test Preparation Programs -- ACT, SAT, GRE, GMAT, LSAT test preparation courses
- Certificate Programs
  - Paralegal Certificate
  - Legal Studies Certificate
- Personal and Professional Enrichment -- More than 200 noncredit titles are available.
- Customized Special Projects

Contact Extended Studies at 800-548-6679 for your professional needs or visit [exstudies.adams.edu](http://exstudies.adams.edu).

## ***Financial Aid***

[adams.edu/finaid](http://adams.edu/finaid)

The following information has been prepared to provide a better understanding of the student financial aid programs at Adams State University. The purpose of financial aid is to assist eligible students who, without such aid, would be unable to pursue their educational goals. The primary responsibility to meet university costs lies with the student and the student's family, with financial aid from the university being a supplementary source of funding. The amount of need-based financial aid offered to a student cannot exceed the student's documented financial need. A student's financial need is determined through a uniform need analysis of the student's and/or family income, assets, etc. in comparison with the anticipated costs of the student's education. Financial aid records are classified as confidential and are treated accordingly.

### **Financial Aid Awards**

Adams State University Office of Student Financial Aid complies with all regulations, guidelines, policies and procedures of the U.S. Department of Education, the state of Colorado and the administration of Adams State University.

### **Application for Financial Aid**

Submit the Free Application for Federal Student Aid (FAFSA) online at [fafsa.ed.gov](http://fafsa.ed.gov).

All financial aid applications and forms are available at the One Stop Student Services Center or online at [adams.edu/finaid](http://adams.edu/finaid). Financial aid is administered without regard to race, color, creed, sex, national origin, handicap, political affiliation, or other non-merit factors.

Eligibility for financial aid must be determined each college year; therefore, applications are required to be completed annually.

For information about financial aid, contact the One Stop Student Services Center located in the Student Union Building of Adams State University, Alamosa, CO

81101, call 719-587-7306, toll free 866-344-1687, or e-mail [onestop@adams.edu](mailto:onestop@adams.edu).

### **Financial Aid for Graduate Students**

Loans are the most common type of assistance for graduate students. Once awarded, loan programs require online acceptance, entrance counseling, and a master promissory note. These can be completed by going to [adams.edu/onestop](http://adams.edu/onestop). Some graduate scholarships are awarded through the Graduate School and individual departments. Please visit [gradschool.adams.edu](http://gradschool.adams.edu) for more information.

A graduate student must be enrolled in at least three credit hours per semester at Adams State University to be eligible for financial aid. All applicants should apply as early as possible each academic year.

### ***First-Year Immersion (FYI)***

The First-Year Immersion (FYI) program is a year-long initiative that creates a strong community for first-year students-both in the classroom and in the residence halls. Belonging to an immersion group is a great way for first-time students to meet other students and build mentoring relationships with faculty and staff members. Each immersion group is based on a shared academic and social interest. Students in an immersion group take two or three courses together both semesters of their first year. The courses typically fulfill general education or major requirements. FYI students also take college transitions courses specifically designed for Adams State students taught by Adams State professional staff, who provide significant guidance to the students.

Students in immersion groups are mentored by returning Adams State students who have successfully completed at least one year on campus. The FYI mentors are trained to help students with questions or concerns that arise in the first year of college. FYI students are encouraged to live in the FYI wing in Coronado Hall, along with the immersion group mentors. For more information, please contact Student Life and Recreation at 719-587-7018.

[figs.adams.edu](http://figs.adams.edu)

## ***Foundation***

[adams.edu/development](http://adams.edu/development)

The Adams State Foundation, established in 1962, is dedicated to furthering the educational goals of the college by seeking and managing contributions. The foundation continually works to expand financial support for the college to provide resources for development and scholarships for students.

## ***Graduate School***

The Graduate School, along with Adams State's dedicated and committed faculty and staff, works to ensure access and opportunity for graduate study throughout the state and nation. Graduate study at Adams State University offers individuals the flexibility to earn a master's degree full-time on campus, part-time on or off campus at selected sites, or online in some cases.

We offer graduate degrees in:

- [Art](#)
- [Business \(M.B.A. Program\)](#)
- [Counselor Education](#)
- [Higher Education Administration and Leadership](#)
- [Humanities \(with American history and cultural resource management emphases\)](#)
- [Human Performance and Physical Education](#)
- [Music Education](#)
- [Teacher Education](#)

We also offer extensive graduate-level professional development offerings through Extended Studies and on campus.

For more information about applying to graduate study at Adams State University, visit [gradschool.adams.edu](http://gradschool.adams.edu) or call 719-587-8152 (toll-free: 866-407-0013).

## ***Grizzly Activity Board***

[adams.edu/student\\_life/gab](http://adams.edu/student_life/gab)

Grizzly Activity Board is a volunteer student organization charged with designing and implementing a variety of programs and services, which help to create

a lively campus environment. The council is led by a six-member executive board, which consists of a president, vice presidents for programming, collaboration, finance, marketing, and a secretary. Grizzly Activity Board presents live comedy shows featuring nationally recognized performers, concerts, feature films, recreation tournaments, annual campus traditions, and special events including the Medicine Show, among others. Applications for Grizzly Activity Board membership are available throughout the academic year. For more information, stop by the Grizzly Activity Board Office located in the Student Life Center or call 719-587-7226.

## ***Refunds of Student Credit Balances***

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

A BankMobile Refund Selection Kit is mailed to degree seeking students after initial course registration. The student should follow instructions in the kit to select a refund preference.

For more information, please visit [www.refundselection.com](http://www.refundselection.com).

## ***Housing and Food Services***

[housing.adams.edu](http://housing.adams.edu)

The university provides a number of housing accommodations located throughout the campus for undergraduate and graduate students. Since the physical environment of students is an important part of the educational experience, the university takes great pride in providing supervised and carefully planned modern facilities. Various lifestyle options are available within the residence halls so students can select the area that best suits their individual needs. Visit the Housing Web site for current housing information and rates.

Each residence hall is staffed with a residence director and several student resident assistants. These key people help create a residential living environment that can sustain productive and creative educational experiences. During the year, students will come into contact with a variety of other students, many of whom have differing lifestyles, social and moral values, and cultural backgrounds.

Note: The college requires all freshman and sophomore students to live in the residence halls, except as excused for definite reasons expressed in writing and approved by the director of Auxiliary Services. Exceptions can be found in the Standards of Residence Handbook located on the Housing website.

## Residence Hall Apartments for Single Students

**McCurry and Savage Halls**(co-ed by apartment — sophomores and above) are designed for comfortable apartment-style living. Three to six students share a three-bedroom apartment, which is fully furnished with the exception of tableware and cooking utensils. A kitchen/living room and one and one-half baths complete the apartment. (Meal ticket optional.)

**Petteys Hall**(co-ed by apartment — sophomores and above) provides group living for three to six students in a three-bedroom apartment. Each apartment is furnished, with the exception of tableware and cooking utensils, and it provides cooking facilities and one and one-half baths. There are four apartments and a common lounge area on the second and third floors. (Meal ticket optional.)

**Moffatt and Houtchens Halls**(co-ed by apartment — juniors and above) are designed for comfortable apartment-style living. Two to six students share a two- or three-bedroom apartment, which is fully furnished with the exception of tableware and cooking utensils. A kitchen/living room and one and one-half baths complete the apartment. (Meal ticket optional.)

**Residence at Rex**(co-ed by apartment — juniors and above) are designed for comfortable apartment-style living. Two to six students share a four-bedroom

apartment, which is fully furnished with the exception of tableware and cooking utensils. (Meal ticket optional.)

## Non-Cooking Residence Halls for Single Students

**Conour Hall**(co-ed private rooms) is a three-story residence hall, which houses 44 students with one student per room. Individual closet space, drawer space, desk, bookcase, overhead light, and twin bed are provided for each student. Coin and Campus Card operated washing machines and dryers are provided in the laundry room. A private lounge area is located on the first floor. (Meal ticket required.)

**Girault Hall**(co-ed) is a two-story residence hall, which houses 200 students with two students per room. Each student is provided with an individual desk, overhead light, bookcase, bulletin board, closet space, drawer space, and twin bed. The two-story complex has a lounge with a TV viewing area and a study lounge. Coin and Campus Card operated washing machines and dryers are provided in the laundry room. (Meal ticket required.)

**Coronado Hall**(co-ed) provides a spacious lounge that houses a TV area, plus program and student areas. The lounge separates the building into two sections. Each section is a three-story complex housing 244 students. The rooms are arranged in suites with two bedrooms and a private bath in each suite. Four students are assigned to each suite. Each section provides the student with a laundry room equipped with coin and Campus Card operated washers and dryers. (Meal ticket required.)

## Family Accommodations

Charges for apartments are based on a monthly schedule. Utilities are furnished in all units. Each apartment is semi-furnished with the exception of linens (window and shower curtains on Faculty Drive), bedding, tableware, and cooking utensils. Application for rentals is made to the director of Auxiliary Services and must be accompanied by a \$150 housing deposit, \$50 of which is a non-refundable application fee. When



proper notice is given and the occupancy is terminated, the \$100 deposit, less any deductions for damage, defacement, or outstanding accounts in the Business Office, will be refunded.

**Faculty Drive**— These are two-bedroom apartments located west of the center of the campus. They are four-plex units constructed of red brick. Window and shower curtains are not provided in these units. The furnishings may include a double bed, single beds, chests, electric range, and refrigerator.

**Houtchens Hall**— These are two-bedroom apartments arranged in a three-story residence hall located in the northwest corner of the campus. Window and shower curtains are provided in this hall, and the furnishings are the same as above.

**Moffatt Hall**—These are three-bedroom apartments arranged in a three-story residence hall adjacent to Houtchens Hall. They are furnished, and window and shower curtains are provided.

## Food Services

[adamscampusdining.com](http://adamscampusdining.com)

La Mesa Dining Hall is open to all students, faculty and guests. It serves three meals per day Monday through Friday and brunch and dinner on Saturday and Sunday. The food court, located in the Student Union Building (SUB), features Pizza Hut Express and Grill 155°.

All board charges are payable at the start of each semester. Special arrangements can be made through the Business Office.

Refunds will be made on a weekly basis (with no proration on the weekly charge) up to the last two weeks of the semester. No refunds will be made on the board charges until the meal plan has been properly canceled at the Housing Office. Meal plans must be canceled by Friday so that charges will not accrue for the following week.

The Board of Trustees for Adams State University shall make adjustments to published rent and food charges as deemed appropriate.

## Laundry Services

Students provide their own towels, pillowcases, sheets, blankets, and other personal articles such as bedspreads and throw rugs. The university provides laundry facilities in residence halls (except Faculty Drive), where students may do their laundry. All laundry rooms can accommodate the Campus Card.

## Payment and Refund of Residence Hall Charges

All room and board charges are payable at the start of each semester. Special arrangements can be made through the Business Office. No refunds on room charges will be made until the room has been vacated and the occupant properly checked out by housing personnel. The refund policy has been revised and is available in the Housing Standards of Residence Book. All room charges will begin from the official opening of the residence hall, unless prior arrangements have been made with the director of Auxiliary Services.

NOTE: Lifestyle options/rates could be revised. Rates may increase slightly in some areas.

## International Student Assistance

International students with financial, personal, or immigration issues can get support from the International Primary Designated School Official (PDSO). All international students are required to visit the PDSO upon arrival on campus, maintain contact with the PDSO, and enroll in a full-time course load during their stay at the university. Academic advising is done by an academic advisor in the department in which the student majors. For assistance, the PDSO can be reached at 719-587-7858.

[International Student Webpage](#)

## Intramural Sports

The [Intramural Sports Program](#) at Adams State University offers a diverse schedule of team and individual activities throughout the academic year. The program is managed by the intramural coordinator. In the past, the Intramural Sports Program has sponsored

softball, flag football, volleyball, 3-on-3 basketball, basketball, indoor soccer, golf, bowling, and 5K runs, among others. Registration forms and rules for each sport can be obtained at the Intramural Sports Office in the Rex Activity Center. For more information call 719-587-7018.

### **Mathematics Help Lab**

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

### **Nondiscrimination Notice**

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

### **One Stop Student Services Center**

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

*Location: ASU Student Union Building*

*Phone: 719-587-7306*

*Toll-free: 1-866-344-1687*

*Fax: 719-587-7366*

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

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

### **Orientation for New Students**

[orientation.adams.edu](http://orientation.adams.edu)

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

### **Photo and Videotape Policy**

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

## ***Police Department and Parking Services***

[pd.adams.edu](http://pd.adams.edu)

The Adams State University Police Department is the primary law enforcement provider for the college community. ASU PD police officers are fully academy trained and state certified peace officers with powers of arrest on and off campus.

The department also employs civilians and student workers in clerical, parking management, student escort and building security patrol positions. The department works closely with other law enforcement agencies including Colorado State Patrol, the Alamosa Police Department, Alamosa County Sheriff's Office, and federal law enforcement agencies. The department provides crime prevention services and information to the Adams State University community. The Police Department assists other college services in emergency planning and safety inspections to maintain a safe campus environment. Police and emergency services are available 24 hours daily, year round.

- ASU Police Department Location: #1 Petteys Hall
- Police Department Dispatch: 719-589-5807 (24 hours per day)
- Non-emergency phone: 719-587-7901 (business hours)
- **EMERGENCY: 911**

## ***Rex Activity Center***

The Rex Activity Center reopened its doors in 1995 after extensive renovations turned the historic building into a first-rate student recreation facility. The Rex Activity Center is a student-funded facility designed to meet the health and fitness needs of members of Associated Students & Faculty (AS&F). All activity areas in the building are available to students on an unrestricted basis with the exception of those times scheduled for non-academic aerobic classes, climbing wall clinics, workshops, and special events. The facility houses a basketball/volleyball court, one racquetball/volleyball court, aerobic/dance studio, free weight and

cardiovascular areas, 1,800-square-foot climbing wall, and men's and women's locker rooms. A variety of recreational equipment is available at the main desk for students to check out for free or for a reasonable rental fee. The Rex Activity Center also offers wellness workshops and numerous special events including the Homecoming 5K Run, family nights and fall/spring climbing competitions. For more information, contact the Rex Activity Center at 719-587-7018.

## ***Student Affairs***

[adams.edu/sa](http://adams.edu/sa)

Most out-of-class activities and services for students are administered by the Division of Student Affairs. These include counseling of a personal and social nature; living accommodations; recreational and social events; outdoor programs; activities affiliated with clubs, organizations, and student government; and placement and career planning.

## ***Student Bill of Rights (Undergraduates)***

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

1. students should be able to complete their associate of arts and associate of science degree programs in no more than sixty credit hours or their baccalaureate programs in no more than one hundred twenty credit hours unless there are additional degree requirements recognized by the commission;
2. a student can sign a two-year or four-year graduation agreement that formalizes a plan for that student to obtain a degree in two or four years, unless there are additional degree requirements recognized by the commission;
3. students have a right to clear and concise information concerning which courses must be completed successfully to complete their degrees;
4. students have a right to know which courses are transferable among the state public two-year and four-year institutions of higher education;
5. students, upon completion of core general education courses, regardless of the delivery

method, should have those courses satisfy the core course requirements of all Colorado public institutions of higher education;

6. students have a right to know if courses from one or more public higher education institutions satisfy the students' degree requirements;
7. a student's credit for the completion of the core requirements and core courses shall not expire for ten years from the date of initial enrollment and shall be transferrable.

(C.R.S. §23-1-125)

## ***Student Conduct***

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

## ***Student Life and Recreation***

[studentlife.adams.edu](http://studentlife.adams.edu)

The Department of Student Life and Recreation offers a wide variety of social, recreational, and developmental programs and services designed to enrich each student's university experience. Participation in student life and co-curricular activities at Adams State University supports the academic mission of the institution by contributing to student learning, growth, and development. Student Life is composed of many student-centered areas including Student Leadership Series, Grizzly Activity Board, Rex Activity Center, Intramural Sports, Adventure Programs, Challenge Course, Multicultural Center, Associated Students and Faculty, National Student Exchange, new student orientation and summer activities. In addition, Student Life coordinates several traditional campus events such as Welcome Week, Homecoming, and Grizzly Daze. The programs and services offered by Student Life are open to the entire campus community and are generally free of charge. For more information, contact the Office of Student Life and Recreation at 719-587-8191.

## ***Student Support Services***

[adams.edu/students/sss](http://adams.edu/students/sss)

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

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

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

## ***Tuition and Fees***

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

[Current Tuition and Fees](#)

## ***Payment of Tuition and Fees***

Students, by the act of registration, automatically incur a financial obligation to the university. This means students who register for one or more classes (unless they officially withdraw from the university within the time specified for refund) are responsible for payment of the full amount of their tuition and fees, whether or not they attend class. Students with unpaid financial

obligations of any nature due the university shall not be allowed to register for classes, receive a transcript of credits, or a diploma upon graduation.

Tuition and fee rates are listed online at [businessoffice.adams.edu](http://businessoffice.adams.edu). Payment deadlines are listed in the class schedule each semester. A late fee is charged for payment not completed by the deadline. Additional late payment fees are assessed in subsequent months when payment is not made.

### **Dispute/Appeal Billed Charges Policy**

Students have the right to dispute billed charges to Student Business Services if they believe charges are not valid. Disputes must be in writing and may be submitted by email at [studentbusiness@adams.edu](mailto:studentbusiness@adams.edu), fax: 719-587-8214 or by mail to Student Business Services, Adams State University, Alamosa, CO 81101. When the initial dispute is received, Student Business Services personnel will review the originating paperwork and/or contact the originating department. If the dispute is not resolved after this review, a letter is sent to the student informing her/him of the right to appeal to the next level. A written appeal to the next level must include reasons for the appeal along with supporting documentation and must be received within 15 days of the denial notification.

Appeals for undergraduate students will be reviewed by the vice president of Student Affairs, appeals for graduate students will be reviewed by the vice president for Academic Affairs, and appeals for Extended Studies students will be reviewed by the assistant vice president for academics of Extended Studies. Decisions of these university officials are final and will be forwarded to the director of Student Business Services. The director of Student Business Services is the delegated authority for completing the Validation of Debt Form, notifying the student, and making the final agency determination for tax offset purposes with respect to disputed amounts.

Questions regarding appeals and the appeal process may be directed to Student Business Services by phone at 719-587-7728 or 1-877-862-8202, by fax at 719-587-

8214, by email at [studentbusiness@adams.edu](mailto:studentbusiness@adams.edu), or by mail: Student Business Services, Adams State University, Alamosa, CO 81101.

The deadline to dispute semester charges is 30 days after the end of the semester in which charges are incurred.

### **Refunds of Tuition and Fees for Complete Withdrawal**

Official withdrawals for undergraduate students are initiated through the vice president for Student Affairs, Richardson Hall, Room 234 or via email to [studentaffairs@adams.edu](mailto:studentaffairs@adams.edu). Graduate students should contact the vice president for Academic Affairs, Richardson Hall, Room 217 or email [gradschool@adams.edu](mailto:gradschool@adams.edu).

In order to receive a 100% refund or remove 100% of charges, a student must withdraw from all courses before the first day of classes. Beginning the first day of classes, refunds are pro-rated based on the percentage of the enrollment period the student completes. **This percentage is a daily calculation based on the student's date of withdrawal.** The number of calendar days completed by the student is divided by the total calendar days in the enrollment period (excluding breaks of five days or more) to arrive at the percentage of completion. This percentage is applied to institutional costs (tuition, fees, room, and board) to determine prorated costs due Adams State. The difference between the original tuition, fees, room and board and the prorated tuition, fees, room and board is adjusted off the student's account.

Adjustments of institutional charges are computed through 60% of the enrollment period. There are no adjustments after 60% of the enrollment period has elapsed.

If a student received financial aid, federal, state, and institutional financial aid repayment calculations must be completed before a refund is issued to the student. In some instances, a student may not be eligible for a refund and may owe a balance to Adams State if the

repayment to financial aid is greater than the student's pro-rated charges.

For example, withdrawal prior to the start of classes (or 0% completion of courses) will result in a 100% refund/adjustment to the student's account.

Withdrawal at the 60% point in the semester will result in a 50% refund of tuition and fees.

Percentages into the semester will be adjusted appropriately for courses that are not 16 weeks (e.g., workshops, 6-week courses, etc.).

To be eligible for the above refund, a student must withdraw from all courses for the term. This includes on-campus, off-campus, online, and extended studies courses. To be eligible for room and board (meal ticket) refund, student must complete the check out procedure with the Housing Office.

Non-refundable charges are listed below and are considered expended at 100 percent when charged:

- Student ID Card Replacement Fee
- Matriculation Fee
- Parking Decal
- Parking Fines
- Emergency Loans
- Emergency Loan Fee
- Deferred Payment Fee
- Late Registration Fee
- Late Payment Fee
- Bookstore Quick Loans

**Important reminder: If you register for classes and are unable to attend, please notify the Records Office prior to the first day of classes.** This will remove charges at 100 percent. Once classes begin, you must process a complete withdrawal and will be assessed on the percentage of the enrollment period completed. Contact Adams State Records at [registrarsoffice@adams.edu](mailto:registrarsoffice@adams.edu) or fax a notification that includes student name, student ID number (900 number) and contact information to 719-587-7416.

A course drop differs from a complete withdrawal. If a course is dropped prior to census date, charges will be removed at 100% as long as the student is registered in

at least one other course. If the withdrawal is after census date, charges are due and payable at 100%.

### **Repayment of Financial Aid Funds for Complete Withdrawals**

Students who receive financial aid then withdraw might be required to repay all or a proportionate amount of aid received. Repayment amounts are determined in accordance with federal, state, and institutional regulations and policies. Where COF hours have been applied, the student will have reduced these if she or he withdraws after the census date as defined in the Academic Calendar. Copies of the repayment policy can be obtained by contacting the Office of Student Financial Aid at 719-587-7306.

### **Refunding of Student Credit Balances**

BankMobile Disbursements refunds credit balances on student accounts. A credit balance may come from payment of grants, scholarships or loans to a student's account, overpayment of charges, or adjustments to tuition, fees, housing or meal plans. The Refund Selection kit is mailed to degree-seeking, registered students from BankMobile. Using this kit (or visiting [RefundSelection.com](http://RefundSelection.com)), students select a refund and work study payroll preference.

Questions regarding complete withdrawal, course drop, and refunds may be directed to Student Business Services, Richardson Hall Room 130, telephone 719-587-7728, 877-862-8202 or email at [studentbusiness@adams.edu](mailto:studentbusiness@adams.edu).

### ***College Opportunity Fund***

The College Opportunity Fund (COF), created by the Colorado Legislature, provides a stipend to offset tuition costs for eligible undergraduate Colorado resident students who are attending a state public institution or participating private institution of higher education. The stipend is paid on a per-credit-hour basis to the institution at which the student is enrolled and credited to the student's account. The per-credit stipend amount will be set annually by the Colorado General Assembly. The COF stipend is applicable up to 145 hours towards a

student's first baccalaureate degree and up to an additional 30 credit hours toward a second undergraduate major or degree. Students can check their credit hour balance on the ASU COF Web site at [cof.adams.edu](http://cof.adams.edu).

Eligible undergraduate students must apply, be admitted, and enroll at a participating institution. Both new and continuing undergraduate Colorado resident students are eligible for the stipend. Students only need apply for the COF stipend online through the link at [cof.adams.edu](http://cof.adams.edu). Eligible students must authorize use of the stipend each semester to receive payment. Adams State University students can authorize or decline the stipend at [adams.edu/onestop](http://adams.edu/onestop). Eligible students who do not apply for and authorize use of the stipend or who have exceeded maximum COF eligibility are responsible for the full amount of tuition.

### **College Opportunity Fund Lifetime Credit Hour Limitation Waivers**

The COF stipend will pay up to 145 hours toward a student's first baccalaureate degree and up to an additional 30 credit hours toward a second undergraduate major or degree. Students can check their credit hour balance on the COF Web site at [cof.adams.edu](http://cof.adams.edu). If a student exceeds the limit prior to meeting his or her academic goals, the student is responsible for the full amount of tuition. However, the student may apply for a waiver from the lifetime credit-hour limitation. Waivers may be granted by the institution and/or the Colorado Department of Higher Education (CDHE).

Colorado Revised Statutes state: "A state institution of higher education may annually grant a one-year waiver of the lifetime credit hour limitation for up to five percent of the eligible undergraduate students enrolled in the state institution of higher education (C.R.S. 23-18-202[5](f)). Institutions will grant these waivers each fiscal year. An eligible student may only receive one waiver from an institution. Adams State University's waiver form is available at the Office of the Vice President for Academic Affairs.

The institutional waiver will always precede the CDHE waiver. In other words, students may apply for a waiver from CDHE as necessary after receiving an institutional waiver or if a waiver is not available from their respective institution (presumably because the institution already granted waivers to five percent of eligible undergraduate students).

COF statute, C.R.S. 23-18-202[5](e), specifically defines the criteria that must be met in order for a student to qualify for a CDHE waiver from the lifetime credit-hour limitation as follows:

1. The student has extenuating circumstances that exist related to his or her health or physical ability to complete the degree program within the lifetime credit-hour limitation;
2. The student's enrolled degree program requires more than 120 credit hours to complete, and the CDHE has approved this program;
3. While the eligible undergraduate student was enrolled in a specific degree program, the CDHE approved and the institution implemented an alteration of degree requirements or standards for the specific degree;
4. Requiring the eligible undergraduate student to pay the full amount of total tuition for credit hours that exceed the limitation would cause substantial economic hardship on the student and/or the student's family.
5. For a list of frequently asked questions, please go online to [cof.adams.edu](http://cof.adams.edu). The College Opportunity Fund is an evolving program and certain provisions may be subject to change.

### ***Tutoring Center***

[tutoring.adams.edu](http://tutoring.adams.edu)

The Grizzly Testing and Learning Center provides coordination of academic tutoring services. Services are provided on a first-come, first-serve basis and are free of charge. Tutoring is provided by trained peers in a group setting. In addition, the Grizzly Testing and Learning Center coordinates note-takers and test-readers for students with accommodations under ADA. It also serves as an alternative test site and a placement testing site. The Grizzly Testing and Learning Center is located on the second floor of Nielsen Library. For more

information, please contact us at 719-587-8189 or [testingcenter@adams.edu](mailto:testingcenter@adams.edu).

## ***Upward Bound***

[upwardbound.adams.edu](http://upwardbound.adams.edu)

The Upward Bound Program is designed and funded to work with high school students who have the potential for success in college. The Upward Bound Program strives to unlock each student's potential through academic skills development and extensive career and personal counseling. The program consists of an academic year program and a summer residential program. The program provides numerous employment possibilities for university students in the education and counseling fields. For more information, please contact the Upward Bound Program at 719-587-7865.

## ***Veterans***

The university is authorized by the Colorado State Approving Agency for Veterans Education in accordance with federal law to educate students receiving benefits through the Veterans Administration.

For more information regarding veterans' benefits, visit the Adams State University veterans' clerk in Richardson Hall or call 719-587-7321 to schedule an appointment.

## ***Writing Studio***

[writing.adams.edu](http://writing.adams.edu)

The Writing Studio supports student learning and faculty and staff in their development as writers and as educators. Skilled peer tutors provide help to students with every part of the writing process, from generating ideas about assignments to final editing. They offer assistance for every kind of writing in each discipline, ranging from freshman composition papers, biology papers or poetry, to graduate portfolios. The Writing Studio furnishes an extensive collection of books and handouts relating to the writing process, and it has computers available for student use. Tutors are in the Writing Studio free of charge to help students learn to proof and perfect their own work and to help faculty

and staff with their writing and course needs. The Writing Studio is located in MCD 220. Phone: 719-587-7898.



# Admissions

[adams.edu](http://adams.edu)

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

## Admission Requirements

### Undergraduate Admissions

#### Undergraduate Admission Requirements

The Office of Admissions for undergraduates operates on a rolling admissions basis; however, applicants are strongly encouraged to apply prior to August 1 for the fall semester, December 1 for the spring semester, or May 1 for the summer session. Application materials should be submitted to the Office of Admissions, Adams State University, 208 Edgemont Boulevard, Alamosa, CO 81101. More information is available through the Office of Admissions at 719-587-7712 or 800-824-6494 or via e-mail at [admissions@adams.edu](mailto:admissions@adams.edu).

#### First-time Freshmen

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

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

\*All transcripts must arrive at Adams State in an unopened envelope from the sending institution

printed within the last 6 months to be considered official.

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

Mail Transcripts and ACT/SAT scores to:  
Adams State University  
Office of Admissions, Suite 2190  
208 Edgemont Blvd.  
Alamosa CO 81101

Strong candidates for admission into the baccalaureate program must have a minimum 80 index, according to the Colorado Commission of Higher Education admissions eligibility index. View the [index chart \(pdf\)](#). Applicants graduating from high school in 2010 or later, must also have completed the Colorado Higher Education Admissions Requirements (HEAR) during high school:

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

Applicants with an index below 80 and/or who have not completed the HEAR coursework will be considered for conditional admission into the baccalaureate program or for admission into the associate program. Applicants in this situation are strongly encouraged to submit a personal statement and/or letter(s) of recommendation. NOTE: Adams State University's role and mission enables the college to admit any qualified student who graduates from a San Luis Valley high school.

#### Home School Students

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

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

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

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

## **Non-Traditional Students**

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

## **Transfer Students**

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

1. A completed application for admission (students may apply online at [adams.edu](http://adams.edu))
2. A \$30 non-refundable application fee.
3. Official transcripts from all colleges attended.
4. Official high school transcripts and official ACT or SAT scores are required of transfer students with 12 or fewer transferable credits.

Transfer students with 13 or more transferable credits and a cumulative college grade point average of 2.30 or better will be considered for admission into the baccalaureate degree program. Transfer applicants with a cumulative grade point average below 2.30 will be considered on an individual basis.

Transfer students with a cumulative grade point average below 2.30 will be considered on an individual

basis and are strongly encouraged to submit a personal statement and letter(s) of recommendation.

Transfer students with less than 13 transferable credits will be considered for admission based on prior transfer work, as well as first-time freshman admissions requirements.

### [Transferring Credits/Degrees](#)

## **Returning Students**

Any student who has previously attended Adams State University and has been out for at least three semesters (not including summer term) must apply for readmission by completing an application for readmission. Students may apply for readmission in the Office of Admissions or online at [adams.edu](http://adams.edu). Official transcripts from all colleges attended since last attending Adams State University must be submitted to the Office of Admissions prior to being readmitted.

## **Non-Degree Seeking Students**

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

## **High School Concurrent Students**

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

## International Students

[adams.edu/international](http://adams.edu/international)

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

International students should request to have submitted directly to Adams State University official transcripts which have been evaluated by AACRAO International Education Services, World Education Services or Foundation for International Services, Inc., to determine US equivalencies for grades, credit hours and institutional accreditation. Payment for evaluation is strictly the student's responsibility. Only post-secondary level coursework deemed to have a US equivalency will be accepted in transfer.

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

Credit for coursework from non-accredited schools may be given after completion of 24 credit hours and maintenance of a 2.0 or above cumulative grade point average. After students have earned 24 credit hours,

they should petition the department chair over their major area as well as the vice president for Academic Affairs for approval of this transfer credit.

## Graduate Admissions

### Graduate Admission Requirements

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

- A completed [application for admission to the Graduate School](#)
- \$30 non-refundable application fee
- Official transcript(s) from all colleges attended. Official transcript(s) from all higher education institutions must be sent directly from the institution to the Graduate School at Adams State University verifying receipt of the baccalaureate degree and all other higher education coursework. International transcripts must be translated and evaluated (even those that are in English) by an organization such as World Education Services or the American Association of Collegiate Registrars and Admissions Officers. No credits will be accepted from non-regionally accredited institutions. Failure to report any previous academic work at another college or university is considered a violation of academic integrity. Transcripts from ASU need not be requested; however, official transcripts confirming transfer credits are required. Unofficial transcripts or transcripts "issued to student" will not be accepted.
- Two letters of recommendation (see each department for specific type of letter)
- In general, departments require a 2.75 GPA in the most recent 30 hours of coursework. Teacher Education, History/Humanities, and Human Performance and Physical Education Departments require a 3.0 GPA in the most recent 30 hours of course work. Individual departments may have additional requirements.

## ***Admission Classification***

### **Graduate Student**

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

### **Graduate-Special Student**

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

### ***International Students - Graduate Level***

Adams State University welcomes international students. All international students who desire to enter the university must comply with all provisions of the Immigration Act. A complete set of credentials for students planning to reside in the U.S. and verification of financial support must be sent to the Graduate School with a formal application for admission and a \$30 nonrefundable application fee in U.S. dollars (credit card, check or money order). All information must be in English. The university must have proof of English proficiency. A minimum score of 550 (paper-based), 213 (computer-based), or 79 (Internet-based) on the Test of English as a Foreign Language (TOEFL) exam is considered acceptable. A score of 7.0 on the International English Language Testing System (IELTS) is acceptable. If a student attends an ESL program, successful completion of level 109 is considered acceptable.

The equivalent of a bachelor's degree must be earned to enter a graduate program at Adams State University.

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

#### ***World Educational Services, Inc.***

*PO Box 745*

*Old Chelsea Station*

*New York, NY 10113-0745*

*Toll Free: 1-800-937-3895*

*Fax: 1-212-739-6100*

*E-mail: [info@wes.org](mailto:info@wes.org)*

*Web site: [www.wes.org](http://www.wes.org)*

#### ***AACRAO International Education Services***

*One DuPont Circle, NW, Suite 520*

*Washington, DC 20036-1135*

*Telephone: 1-202-296-3359*

*Fax: 1-202-822-3940*

*E-mail: [ies@aacrao.org](mailto:ies@aacrao.org)*

*Web site: <http://ies.aacrao.org>*

#### ***Foundation for International Services, Inc.***

*14926 35th Ave. West, Suite 210*

*Lynnwood, WA 98087*

*Web site: [www.fis-web.com](http://www.fis-web.com)*

## ***Academic Information***

The menu below provides information about academic policies and procedures at Adams State University for both undergraduate and graduate students.

### ***Academic Advising***

[advising.adams.edu](http://advising.adams.edu)

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

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

Adams State University is committed to supporting student success. In that spirit, we require our undergraduate degree-seeking students be advised and obtain an advising PIN (Personal Identification Number) from their advisors before registering each fall and spring semester. Students should make arrangements to meet with their advisors as soon as semester schedules are available online to ensure enrollment in courses needed to meet educational goals. A PIN for summer registration is not required, but students are

encouraged to meet with their advisor to determine enrollment in appropriate courses.

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

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

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

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

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

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

## ***Academic Standing and Progress Monitoring***

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

For more information, visit <http://adams.edu/sap>.

Each student is placed in one of the following statuses after SAP evaluation (within two business days after semester grades are officially posted):

- **Good Academic Standing:** Students are in good standing at Adams State University if all of the above SAP standards are met. For purposes of NCAA compliance, student athletes must meet the same requirements for good academic standing as all other students.
- **Warning (First Semester Not Meeting Standards):** Students are given a Warning status if the semester is the first in which SAP Minimum GPA and Pace Standards have not been met but are still considered to be in Good Academic Standing. A warning status does not require an appeal to receive disbursement of financial aid. Students are encouraged to meet with their academic advisor to discuss options on campus that may assist them. Only one warning period is allowed. Students with a status of Warning are considered eligible for financial aid.
- **Review/ Probation (Second Semester Not Meeting Standards):** Students are placed on “Review” status if they have had a previous warning status and are not meeting criteria for the Minimum GPA and Pace Standards. Students can submit an appeal to attempt to gain Probation or Good Standing Status.

Students whose appeals are denied will be ineligible for financial aid and athletic competition. Students with a “Review” status are moved to “Probationary” status if they submit an appeal signed by their advisor that is then approved by the Office of Student Financial Aid. Only one probationary period is allowed. Probation does not apply if students are not meeting the maximum credit standard (see following Ineligible for Title IV section). A student with a cumulative GPA of 0.0 after completion of 2 consecutive semesters, regardless of enrollment type (full time, half time, etc.) will automatically move to an Ineligible status.

- **Ineligible with Chance to Appeal with an Approved Academic Plan (AP) (Third Semester Not Meeting Standards):** Students may appeal their financial aid ineligibility by submitting an academic plan with their SAP appeal form. If more than 150% of degree requirements have been attempted, students may be required to meet Minimum GPA and Pace Standards to be considered for approval. If appeals of “Ineligibility” status are approved, students are placed on an Academic Plan outlined by their assigned academic advisor. The academic plan must move a student successfully toward degree completion in the fewest number of semester hours possible (e.g., unnecessary elective credits are excluded from Academic Plans). Academic plans must include a degree plan that outlines course requirements (including courses to repeat to obtain passing grades) and a course completion rate. Academic plans will be reviewed at the end of each semester for compliance. A minimum semester GPA requirement will be calculated by the financial aid office. The calculation will be based on current attempted credits, current cumulative GPA, total credits needed for degree, and the desired minimum cumulative GPA (2.0 for undergraduates or 3.0 for graduate students). If at any point a student cannot reach the minimum GPA needed they will no longer be approved for continued eligibility. Students who do not adhere to the academic plan will lose financial aid eligibility with no option for appeal. To regain eligibility, students must obtain good standing without federal, state or institutional financial assistance.

- **Ineligible for Title IV Financial Aid with No Chance to Appeal (“Selfpay”) (4th Semester Not Meeting Standards):** Students are placed in an “Ineligible/Selfpay” status and will no longer be eligible to receive financial aid, including federal, state and institutional grants, student loans, and work-study. A student with “Selfpay” status will not be considered for any financial aid awards at Adams State University. External and private donor scholarships may still be awarded. Students are placed in “Selfpay” status at Adams State University for one or more of the following reasons:
  - The Minimum GPA Standard is not attained within maximum credit standard. To obtain good standing, the Minimum GPA Standard must be met without the benefit of financial aid. This may be appealed by documenting reasons why the Minimum GPA Standard has been violated.
  - The Pace Standard has not been met within maximum credit standard. To obtain good standing, the Pace Standard must be met without the benefit of financial aid. This may be appealed by submitting documentation explaining why at least 75% of the total attempted credit hours have not been completed.
  - The Maximum Credit Standard has been violated. All Title IV aid must stop if the student has exceeded the maximum number of credits or if at any point in time during the student’s enrollment it is determined through the SAP review process that the student cannot complete their program of study within the maximum time frame of 150% and meet all other SAP standards. The entire academic record, all transfer credits, and all credits attempted at Adams State University (even if not receiving financial aid) will be counted toward the 150% credit-hour limit.
  - AND/OR an appeal for Probation Status is not approved by the student’s assigned academic advisor.

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

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

### ***Additional Master's Degrees***

Graduate students attempting a second or third master’s degree must complete a minimum of 30 semester hours in addition to all previous coursework. Coursework taken for credit towards a bachelor’s or previous master’s degree cannot be counted towards another degree.

### ***Advanced Placement***

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

### ***Auditing Courses (no credit)***

Students in good academic standing may broaden and deepen their educational experience by auditing courses. Auditing permits a student to attend a course without being required to complete exams and assignments. It is the university's intent, however, that auditing be a serious commitment on the part of the student and not disrupt the student's progress toward a

degree. Careful consultation with the student's academic advisor is recommended. Physical education (activity) courses are exempt from auditing.

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

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

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

### ***Availability of Classes***

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

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

## ***Catalog Applicability***

### **Baccalaureate Students**

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

### **Associate Degree Students**

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

### **Classification of Students**

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

### ***College Opportunity Fund (COF)***

The College Opportunity Fund (COF), created by the Colorado Legislature, provides a stipend to offset tuition costs for eligible undergraduate Colorado resident students who are attending a state public institution or participating private institution of higher education. The



stipend is paid on a per-credit-hour basis to the institution where the student is enrolled and credited to the student's account. The per-credit stipend amount will be set annually by the Colorado General Assembly.

The COF stipend is applicable up to 145 hours toward a student's first Bachelor of Arts or Science degree and up to an additional 30 credit hours toward a second undergraduate major or degree. Students can check their credit hour balance on the COF Web site linked from [cof.adams.edu](http://cof.adams.edu).

Eligible undergraduate students must apply, be admitted, and enroll at a participating institution. Both new and continuing undergraduate Colorado resident students are eligible for the stipend. Students only need *apply* for the COF stipend once by linking from [cof.adams.edu](http://cof.adams.edu). Eligible students must *authorize* use of the stipend each semester to receive payment. Adams State University students can authorize or decline the stipend at [adams.edu/onestop](http://adams.edu/onestop). Eligible students who do not apply for and authorize use of the stipend or who have exceeded maximum COF eligibility are responsible for the full amount of tuition.

For a list of frequently asked questions, please refer to [cof.adams.edu](http://cof.adams.edu). The College Opportunity Fund is an evolving program and certain provisions may be subject to change.

The COF stipend is not applicable to the following courses:

- Transcribed credits not directly attributed to college instruction, such as AP, ACE, IB, and CLEP
- Off-campus, extended campus, or continuing education courses that are not state-funded, unless approved by the Colorado Department of Higher Education.
- Non-credit courses
- Audited courses
- Courses and instruction that are fully funded under an institution's fee-for-service contract
- All courses where the enrollment is closed to the general public, the curriculum is customized for an employer or the course is funded by customized job training dollars that are

separately appropriated and outlined in C.R.S. 23-60-306 and 307.

- All courses offered on a military base

## ***Commencement***

Graduation ceremonies are conducted at the end of fall and spring semesters for associate and baccalaureate degree candidates and at the end of spring semester for graduate candidates. Each semester has a deadline in which all graduation requirements must be completed. All requirements must be completed and grades must be in the student system by June 7 for spring graduation, September 7 for summer graduation and January 7 for fall graduation. Some students may take courses from other schools or through our Extended Studies program and are given deadlines in which to complete their coursework. However, our graduation deadline must be met for the semester in which the student applies to graduate. If students cannot complete their requirements by the deadline for the semester in which they applied, they should reapply for graduation in the subsequent semester. Students who complete degree requirements may participate in commencement.

Information sheets giving details about graduation exercises, fees for caps, gowns, and announcements will be mailed approximately one month prior to commencement. Students who complete degree requirements during the summer semester will be added (provided they have applied for graduation) to the fall semester commencement program. Students who will complete degree requirements in the summer and wish to participate in the previous spring commencement ceremony should notify the assistant registrar of their desire to participate in this commencement ceremony. Note: Students must be lacking only one course (up to six credit hours) in order to participate in any commencement ceremony.

The graduation ceremony for master's candidates is held each May on the Adams State University campus in Alamosa. There is no summer or fall commencement for graduate students. If you complete the requirements for graduation during summer or fall semester, you may

choose to walk in the preceding spring or the following spring ceremony. Students who have a hold placed against their account, any incomplete coursework or other unfulfilled degree requirements, including successfully completing the culminating activity, will not be permitted to participate in commencement exercises until such time as all requirements have been met. Students who plan to graduate must apply the semester before the anticipated completion. At the ceremony, students will receive a diploma cover. Provided all requirements have been met for the degree, and provided there is no institutional hold on the student's account, students will receive their diploma in the mail approximately six weeks later. A hold will prevent the institution from releasing a student's diploma and academic transcript until such a time as the obligation has been satisfied and the hold has been cleared. At the ceremony, graduate students will be hooded. The graduate must furnish his/her own academic regalia including the proper hood. Prior to each graduation ceremony, the Graduate School will provide additional information regarding purchase of academic attire for the commencement ceremony. Master's candidates are strongly encouraged to attend the ceremony.

## ***Continuous Enrollment***

### **Baccalaureate Students**

Entering first-year students seeking the A.A., A.S., B.A., B.F.A., or B.S. degree can choose to fulfill the graduation requirements for any year after (and including) the semester they first enrolled at Adams State University, provided they remain continuously enrolled. Students may elect to fulfill the major requirements from one catalog and the general education requirements from another catalog. Students who interrupt their studies for more than two semesters (e.g., fall or spring) will use the requirements for the semester they return as their first semester.

## ***Course Load***

### **Undergraduate Course Load**

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

[Course Overload Approval Form - Undergraduates](#)

### **Graduate Course Load**

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

[Graduate Student Overload Approval Form](#)

### ***Course Numbers***

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

300-399 in the third year, and 400-499 in the fourth year.

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

Special course number suffixes:

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

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

### ***Credit by Examination/Testing Out***

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

1. The student is enrolled for the course (free of tuition charges if the student tests out).
2. The instructor teaching the course agrees the student's experience qualifies the student to be given an opportunity to "test out" for credit.
3. The department chair approves the request and instructional recommendations.

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

[Independent Study Authorization Form](#)

### ***Credit for Military Experience***

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

### ***Culminating Activity***

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

### ***Deadlines***

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

## ***Degree Completion Time Limit***

### **Undergraduate Students**

Students are expected to complete degree requirements in a timely manner. Normally 15 to 16 credits per semester at the undergraduate level are necessary to accomplish these expectations.

### **Graduate Students**

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

### ***Developmental/Remedial Courses***

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

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

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

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

### ***Evaluation of Degree Requirements***

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

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

## ***Final Examinations***

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

## ***Grade Appeals***

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

## ***Grade Point Average Computation***

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

# of Hours	x Grade Equivalent	= Quality Points
3	A=4	= 12
2	B=3	= 6
3	C+=2.33	= 6.99
4	D=1	= 4
5	A=4	= 20
(not counted) 1	P=n/a	= n/a

**Total:** 17 cr hrs x Grade Equivalent = **48.99**

**GPA Calculation:**  $48.99/17 = 2.88$

## ***Graduate Student Minimum GPA Requirement***

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

## ***Grade Report***

Students should meet with their instructors throughout the semester to discuss their academic progress. Prior to midterm, students will be notified via email of all regular session classes in which they are in jeopardy of receiving a failing grade. This is strictly an instructor obligation, and students will only be notified of those grades which instructors have provided. If a student has

a question at any time regarding his/her standing in any course, the student should refer the question to the instructor or department chair directly.

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

## Grading System and Quality or Honor Points

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

Grade per Credit	Quality Points	Other grades	(no quality pts)
<b>Excellent</b>		IF Incomplete to F after 1 year	0
A	4.00	IU Incomplete to Unsatisfactory after 1 year	0
A-	3.67	TF Technical Failure (no show)	0
<b>Good</b>		TU Technical Failure (no show - basic skills courses)	0***
B+	3.33	U Unsatisfactory (090- to 099-level courses)	0***
B	3.00		
B-	2.67		
<b>Satisfactory</b>		IN Incomplete	IN*
C+	2.33	NC Audit	NC*
C	2.00	NR Grade not reported by faculty	NR*
C-	1.67	P Pass, equivalent to grade of C or better (100- to 799-level courses)	**
<b>Poor, but passing</b>		S Satisfactory, equivalent to grade of C- or better (090- to 099-level basic skills courses)	***
D+	1.33	T Transfer credit accepted by ASC	
D	1.00	TS Transfer credit for a remedial course	***
<b>Failure</b>		W Withdrawal without penalty	*
F (100- to 799-level courses)	0	*Credits not used to compute GPA and not counted toward graduation.	
		**Credits not used to compute GPA but counted toward graduation.	
		***Basic skills courses do not count toward graduation.	
		Note: Credits for courses graded F are used to compute GPA but do not count toward graduation. P credits may or may not transfer to other colleges and universities.	

### Graduate Assistantships

A limited number of Adams State University graduate assistantships are available to students who have been

admitted to master's degree programs and are enrolled full time in on-campus courses. The assistantships are competitive and include stipends and partial tuition waivers for fall and spring semesters. Graduate assistants dedicate approximately 20 hours per week to duties and responsibilities as assigned by the appropriate department chair.

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

Graduate assistantships are first and foremost for the educational benefit of the student, and any benefit to the university is merely incidental. Stipends and partial tuition waivers associated with graduate assistantships are in the nature of financial aid for the purpose of meeting the student's educational objectives. Students who desire to be graduate assistants must complete a Graduate Assistantship Application and submit it to the Graduate School. Application forms are available in the Graduate School or online at [gradschool.adams.edu](http://gradschool.adams.edu).

Applying for a graduate assistantship does not guarantee a student will be granted a position.

### ***Graduate Council***

It is the responsibility of the Graduate Council to review graduate curricula and policy governing graduate study and to make recommendations to the president. The council is responsible for assessment of student learning outcomes through timely program reviews. The council is composed of one faculty member selected

from each department offering graduate degrees at Adams State University. The council meets monthly throughout the academic year, as scheduled by the chair.

### ***Graduate Credit for Undergraduate Students***

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

Lower-division courses (100 and 200 numbers) may not be used for graduate credit. A maximum of nine credits of upper-division courses (300 and 400 numbers) may be taken for graduate credit in a master's degree, initial teaching license, or endorsement program, with special permission from the department chair. Students must obtain prior approval of the instructor and the chair of the appropriate department. Failure to obtain advanced approval will result in the course being disapproved for graduate credit.

### ***Graduation Application***

Graduate students must complete an Intent to Graduate form and submit it to the Graduate School according to the following schedule:

- Fall graduation: August 1
- Spring graduation: December 1
- Summer graduation: April 1

Applications postmarked after the deadline date will not be honored for any reason. Application forms are available in the Graduate School and online at [gradschool.adams.edu](http://gradschool.adams.edu). The Graduate School will notify students of the ceremony details approximately six weeks before graduation.

## ***Latin Honors***

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

## ***Incompletes***

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

## ***Independent Study Courses***

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

## ***International Baccalaureate Program***

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

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

## ***Pass/Fail***

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

## ***Privacy Policy***

For Adams State University's privacy policy, please visit our [FERPA web page](#).

## ***Registration for Courses***

Registration through online student accounts and the class schedule can be found on the [ASU One Stop Web site](#).

## ***Repeating Courses***

Repeating Courses

Undergraduate students may repeat courses, however, only the most recent credit hours attempted are computed in the GPA. Previously attempted courses



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

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

- ID 179 Semillas de la Tierra, 8
- MUS 210 Mariachi Ensemble, 8
- MUS 245 Band, 8
- MUS 246 Jazz Ensemble, 8
- MUS 247 Concert Choir, 8
- MUS 248 Jazz Singers, 8
- MUS 250 Orchestra, 8
- MUS 249 Chamber Ensemble, 8
- MUS 252 Music Theatre Workshop, 4
- MUS 255 Wind Ensemble, 8
- MUS 410 Mariachi Ensemble, 4
- MUS 446 Jazz Ensemble, 4
- MUS 448 Jazz Singers, 4
- MUS 449 Chamber Ensemble, 4
- MUS 455 Wind Ensemble, 4
- MUS 457 Chamber Choir, 4
- PSYC 379 Prevention Awareness Crew, 5
- SPCH courses, unlimited repeating

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

### ***Satisfactory/Unsatisfactory Courses***

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

### ***Semester Honors***

Students earning a minimum of 12 hours of graded credit in a single term with a term grade-point average of 3.5 or higher receive semester honors. Those having earned a semester GPA of 3.5 to 3.99 are included in the vice president's honor roll. Those having earned a 4.0 are included in the president's honor roll. Courses

graded P, W, IN, S, U, or NC cannot be included in the 12-hour minimum.Semester Hours Credit

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

### ***Semester System***

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

### ***Student Conduct***

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

### ***Student Engagement and Success (SES)***

The transition from high school or the workplace to college can be challenging; therefore, Adams State University is committed to ensuring each first year student has a genuine opportunity for success. To meet the needs of first-year students, Adams State University offers a group of programs and services to address the sometimes complex academic and social adjustments to college life, including Academic Advising, college transition courses, and First-Year Interest Groups (FIGs). Student Engagement and Success also provides support for Latino related activities and programs. Please see descriptions of each of these programs and services or contact SES at 719-587-7858.

## ***Student Evaluation***

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

## **Student Handbook**

The [student handbook](#) is the guidebook for policies and procedures for Adams State University. It is the student's responsibility to review the student handbook.

## **Summer Session**

Adams State University maintains a summer session designed for undergraduate and graduate students interested in pursuing a college education and in qualifying for degrees and licenses, thus offering students a year-round uniform academic program. Through full-time, year-round attendance, students may reduce the time of their four-year program. See the Summer Web page at [www.adams.edu/summer](http://www.adams.edu/summer) for programs and course descriptions.

## **Time Limitation on Credit**

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

by the Records Office and/or designee of the department in which the course is located.

## **Transcript of Credits**

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

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

[Official Transcript Request](#)

## **Transferring Credit or Degrees**

### ***Graduate Transfer Credit***

A maximum of six semester hours of transfer credit from other accredited institutions may be used to fulfill graduate-level degree, licensure, or endorsement requirements. Students must request permission to transfer course work using the [Petition to Transfer Credit Form - Graduate Students](#). Students must provide official transcripts and course syllabi and obtain the advisor's signature. Students requesting transfer or substitution of prior course work must declare so within their first semester of study. Students who take courses and ask for approval after the fact are in danger of losing those credits regardless of the source of their advisement.

### ***Undergraduate Transfer Credit***

Currently enrolled undergraduate students who plan to take courses at another college or university (during the

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

## Transferring Credits

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

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

## Coursework Transfers

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

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

## Undergraduate Degree Transfers

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

not been completed may be completed at Adams State. Upon completion, the entire degree will be accepted. In addition, students must fulfill the writing assessment requirement before they may be considered complete for the purposes of degree conferral.

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

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

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

## **Undergraduate Degree/Program Requirements**

1. Undergraduate students who have not completed the GT Pathways core curriculum will be required to meet all Adams State general education requirements in effect at the time of admission.
2. The Bachelor of Arts, Fine Arts or Science degree is conferred upon completion of a minimum of 120 academic (non-PE) semester hours composed of general education, major requirements, and elective credits. Additionally a scholastic average of at least 2.0 must be earned in all work attempted at Adams State. A

grade of D+ or lower in any course required for a major or minor will not count toward degree completion. (A 2.75 minimum GPA is required for admission to the Teacher Education Preparation Program.)

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

requirements imposed by their departments such as the minimum 2.75 GPA requirement for admission into the Teacher Education Preparation Program.

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

### **Undergraduate Student Withdrawal**

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

### **Graduate Student Withdrawal**

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

## **Academic Programs**

The university's goal is to prepare and educate students for a successful life and rewarding professional opportunities. Adams State University accomplishes these ends by providing the best possible instruction, which enables students to enter the working world equipped with the knowledge and skills needed to professionally succeed.

Adams State offers associate's, bachelor's and master's degrees, certificate programs and pre-professional and allied health programs. Admission and degree requirements for each specific academic program are listed with each academic subject area in this catalog.

### ***Degree Requirements (Undergraduate)***

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

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

### **Associate's Degree Requirements**

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

Concentrations available:

- [Associate of Science](#)
  - Computer Security
  - General Business
  - Geographic Information Systems
- [Associate of Arts](#)
  - Art (Studio)
  - Criminal Justice Administration (distance delivery only)
  - Early Childhood Education

- Elementary Education
- Emergency Management (distance delivery only)
- General business
- Social Studies
- Theatre

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

## Bachelor's Degree Requirements

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

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

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

## Writing Proficiency

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

## Writing Proficiency Requirement

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

1. earn a score of 29 or above on the English section of the ACT
2. earn a score of 660 or above on the verbal section of the SAT
3. earn a score of 4 or better on the Advanced Placement Exam (AP) in English Language/Composition *or*
4. earn a score of 4 or above on the Higher Level IB (International Baccalaureate) examination. Students who achieve the required score will receive 3 hours of credit for ENG 101—Communication Arts I.

## Writing Assessment

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

## *Gen Ed Requirements (Undergraduates)*

Adams State University has prescribed a program of general education for all students seeking associate or baccalaureate degrees. This is done in the belief that our graduates must possess college level skills, competencies, and an acquaintance with major areas of

knowledge commonly possessed by educated persons in a free society. Students pursue the general education program goals through a range of formal and informal activities including, but not limited to, the successful completion of the general education curriculum and the academic major.

## General Education Goals and Student Performance Outcomes

At the conclusion of baccalaureate study at Adams State University, the program of general education will foster in our graduates:

1. an understanding of and facility in the basic modes of communication and an ability to initiate inquiry, question conventional wisdom, and analyze problems. Students will demonstrate ability to:
  - read, write, speak, and listen accurately, effectively, and critically;
  - think analytically, cooperatively, creatively, and independently;
  - function as productive members of groups;
  - access information effectively;
2. a critical understanding of the current state of knowledge, of the methods by which that knowledge has been produced, and of the interrelationships among the major academic divisions of knowledge: Communications, Arts and Humanities, Mathematics, Social & Behavioral Sciences/History, and Physical and Natural Sciences. Students will demonstrate an understanding of:
  - the major fields of knowledge and their interrelationships;
  - quantitative methods and their uses;
  - implications and uses of technology;
  - diverse moral and ethical philosophies;
  - one's place within a larger historical and multicultural framework.
3. the development of a global perspective (culture, historical, societal, scientific) from which a strong set of ethical and moral values can evolve. Students will demonstrate an increased awareness of:
  - the aesthetic dimensions of human experience;
  - community involvement;

- diverse cultures, persons, and ideas.
4. an awareness of the importance and desirability of continuing to pursue intellectual growth throughout one's lifetime. Students will demonstrate an increased awareness of:
    - connections between classroom content and issues outside the classroom.

## General Education Course Requirements

TOTAL: 37 credits

The following required general education courses must be completed with an average GPA of at least 2.0.

### Area I. Communication - 6 credit hours

ENG 101: Communication Arts I GT-C01 ..... 3  
 ENG 102: Communication Arts II GT-C02 ..... 3  
 Credit (with a grade of P) is given for ENG 101 if:

- AP score of 3 or higher on English *Language/Comp*
- AP score of 5 or higher on English *Literature/Comp*
- ACT score of 29 or higher
- SAT score of 500 or higher (before April 1995), 580 or higher (May 1995 - May 2010), or 660 or higher (after May 2010).

Students may pass CLEP and DANTES tests in the appropriate subject areas in order to earn credit for general education English prefix courses. Appropriate courses are determined by the department chair.

### Area II. Arts and Humanities - 9 credit hours

AR 103: Art Appreciation GT-AH1 ..... 3  
 ENG 203: Major Themes in Lit GT-AH2 ..... 3 TO 6  
 COMM 255: Fndmntls of Media Comm GT-AH2 ..... 3  
 MUS 100: Intro to Music Lit GT-AH1 ..... 3  
 PHIL 201: Intro to Philosophy GT-AH3 ..... 3  
 PHIL 205: Logic ..... 3  
 THTR 180: Intro to Theatre GT-AH1 ..... 3

An entering student who has earned a score of 3 on the Advanced Placement Exam in English Literature/Composition (senior or junior year AP) will be awarded 3 semester hours of credit for ENG 203—Major Themes in Literature. Students may pass CLEP

and DANTES tests in the appropriate subject areas in order to earn credit for general education English prefix courses. Appropriate courses are determined by the department chair.

### Area III. Mathematics - 3 credit hours

MATH 104: Finite Mathematics GT-MA1 .....	3
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
MATH 150: Librl Arts Mathematics GT-MA1 .....	3

### Area IV. Social & Behavioral

#### Sciences/History - 12 credit hours

At least one course must have either an HGP or HIST prefix, but no more than a total of two courses can have HGP or HIST prefixes.

ECON 201: Econ in Today's Society GT-SS1 .....	3
HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
POLS 291: American Government GT-SS1 .....	3
PSYC 101: Introduction to Psyc GT-SS3 .....	3
SOC 201: Soc Imagination GT-SS3 .....	3

### Area V. Physical and Natural Sciences - 8 credit hours

Transfer students may use one non-laboratory science course to meet half of this requirement, reducing the total to 7 credit hours.

BIOL 101: Introductory Biology GT-SC1 .....	4
and BIOL 101L: Introductory Biology Lab .....	0
BIOL 209: General Biology I GT-SC1 .....	5
BIOL 210: General Biology II GT-SC1 .....	5
CHEM 103: Intro to Forensic Chem-GT-SC1 .....	4
and CHEM 103L: Intro to Forensic Chem Lab .....	0
CHEM 111: Introductory Chemistry GT-SC1 .....	4
and CHEM 111L: Introductory Chemistry Lab .....	1
CHEM 131: General Chemistry GT-SC1 .....	4
and CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
and CHEM 132L: General Chemistry Lab .....	1
ENV 101: Intro to Environmntl Sci GT-SC1 .....	4
GEOG 101: Intro/Physical Geog (GT-SC1) .....	4
GEOL 111: Physical Geology .....	4

PHYS 150: Light - GT-SC1 .....	4
and PHYS 150L: Light Lab .....	0
PHYS 201: Intro to Astronomy GT-SC1 .....	4
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1

### Guaranteed Transfer Courses

Adams State University is a participant in the statewide guaranteed transfer program, [gtPathways](#), for general education courses. A student successfully completing any of the Adams State courses listed below is guaranteed the courses will transfer to any state-supported college in Colorado. The receiving institution is required by Colorado Revised Statues 23-1-108 (7) (a), 23-1-108.5, and 23-1-125 to accept the course as meeting some portion of its general education requirements. These courses are also designated in the [online course schedule](#) with a Z footnote code.

AR 103: Art Appreciation GT-AH1 .....	3
BIOL 101: Introductory Biology GT-SC1 .....	4
BIOL 209: General Biology I GT-SC1 .....	5
BIOL 210: General Biology II GT-SC1 .....	5
CHEM 103: Intro to Forensic Chem-GT-SC1 .....	4
CHEM 111: Introductory Chemistry GT-SC1 .....	4
CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 132: General Chemistry GT-SC1 .....	4
COMM 255: Fndmntls of Media Comm GT-AH2 .....	3
ECON 201: Econ in Today's Society GT-SS1 .....	3
ENG 101: Communication Arts I GT-C01 .....	3
ENG 102: Communication Arts II GT-C02 .....	3
ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
ENV 101: Intro to Environmntl Sci GT-SC1 .....	4
GEOG 101: Intro/Physical Geog (GT-SC1) .....	4
GEOL 111: Physical Geology - GT-SC1 .....	4
HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
MATH 104: Finite Mathematics GT-MA1 .....	3
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
MATH 150: Librl Arts Mathematics GT-MA1 .....	3
MUS 100: Intro to Music Lit GT-AH1 .....	3
PHIL 201: Intro to Philosophy GT-AH3 .....	3



PHYS 150: Light - GT-SC1 .....	4
PHYS 201: Intro to Astronomy GT-SC1 .....	4
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 230: General Physics I GT-SC1 .....	4
PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1
POLS 291: American Government GT-SS1 .....	3
PSYC 101: Introduction to Psyc GT-SS3 .....	3
SOC 201: Soc Imagination GT-SS3 .....	3
THTR 180: Intro to Theatre GT-AH1 .....	3

All the courses listed in the ASU general education curriculum are approved for guaranteed transfer to other colleges and universities within the State of Colorado. Adams State will accept any gtPathways approved course for transfer into our general education curriculum in the appropriate area.

## Associate of Arts

### Concentrations

- Art (Studio)
- Criminal Justice Administration (distance delivery only)
- Early Childhood Education
- Emergency Management (distance delivery only)
- General Business
- Social Studies
- Theatre

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

### Degree Requirements

1. Writing Assessment: Students must submit a portfolio of writing to Academic Advising by mid semester of the semester prior to graduation. Check with Academic Advising for requirements.
2. The following required general education courses must be completed with an average GPA of at least 2.0.
3. A minimum of 15 credit hours must be Adams State University hours.

4. Completion of electives (total 60 academic semester hours in consultation with Academic Advising)

### Area I. Communication - 6 credit hours

ENG 101: Communication Arts I GT-C01 .....	3
ENG 102: Communication Arts II GT-C02 .....	3

Credit (with a grade of P) is given for ENG 101 if:

- AP score of 3 or higher on English *Language/Comp*
- AP score of 5 or higher on English *Literature/Comp*
- ACT score of 29 or higher
- SAT score of 500 or higher (before April 1995), 580 or higher (May 1995 - May 2010), or 660 or higher (after May 2010).

Students may pass CLEP and DANTES tests in the appropriate subject areas in order to earn credit for general education English prefix courses. Appropriate courses are determined by the department chair.

### Area II. Arts and Humanities - 9 credit hours

AR 103: Art Appreciation GT-AH1 .....	3
ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
MUS 100: Intro to Music Lit GT-AH1 .....	3
THTR 180: Intro to Theatre GT-AH1 .....	3

An entering student who has earned a score of 3 on the Advanced Placement Exam in English

Literature/Composition (senior or junior year AP) will be awarded 3 semester hours of credit for ENG 203—Major Themes in Literature. Students may pass CLEP and DANTES tests in the appropriate subject areas in order to earn credit for general education English prefix courses. Appropriate courses are determined by the department chair.

### Area III. Mathematics - 3 credit hours

MATH 104: Finite Mathematics GT-MA1 .....	3
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
MATH 150: Librl Arts Mathematics GT-MA1 .....	3

## Area IV. Social & Behavioral

### Sciences/History - 12 credit hours

At least one course must have either an HGP or HIST prefix, but no more than a total of two courses can have HGP or HIST prefixes.

ECON 201: Econ in Today's Society GT-SS1	3
GOVT 291: American Government	3
HGP 110: Development of Civ GT-HI1	3
HGP 111: Development of Civ GT-HI1	3
HIST 202: American Hist to 1865 GT-HI1	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1	3
PSYC 101: Introduction to Psyc GT-SS3	3
SOC 201: Soc Imagination GT-SS3	3

### Area V. Physical and Natural Sciences - 8 credit hours

Transfer students may use one non-laboratory science course to meet half of this requirement, reducing the total to 7 credit hours.

BIOL 101: Introductory Biology GT-SC1	4
and BIOL 101L: Introductory Biology Lab	0
BIOL 203: General Biology GT-SC1	5
and BIOL 203L: General Biology Lab	0
CHEM 103: Intro to Forensic Chem-GT-SC1	4
and CHEM 103L: Intro to Forensic Chem Lab	0
CHEM 111: Introductory Chemistry GT-SC1	4
and CHEM 111L: Introductory Chemistry Lab	1
CHEM 131: General Chemistry GT-SC1	4
and CHEM 131L: General Chemistry Lab	1
CHEM 132: General Chemistry GT-SC1	4
and CHEM 132L: General Chemistry Lab	1
ENV 101: Intro to Environmntl Sci GT-SC1	4
GEOG 101: Intro/Physical Geog (GT-SC1)	4
GEOL 111: Physical Geology	4
PHYS 150: Light - GT-SC1	4
and PHYS 150L: Light Lab	0
PHYS 201: Intro to Astronomy GT-SC1	4
PHYS 225: College Physics I GT-SC1	5
PHYS 230: General Physics I GT-SC1	4
and PHYS 231: General Physics I Lab GT-SC1	1
PHYS 232: Gen Physics II (Cal) GT-SC1	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1	1

## Associate of Science

### Concentrations

- General Business
- Geographic Information Systems

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

### Degree Requirements

1. Writing Assessment: Students must submit a portfolio of writing to Academic Advising by mid semester of the semester prior to graduation. Check with Academic Advising for requirements.
2. The following required general education courses must be completed with an average GPA of at least 2.0.
3. A minimum of 15 credit hours must be Adams State University hours.
4. Completion of electives (total 60 academic semester hours in consultation with Academic Advising)

### Area I. Communication - 6 credit hours

ENG 101: Communication Arts I GT-C01	3
ENG 102: Communication Arts II GT-C02	3

Credit (with a grade of P) is given for ENG 101 if:

- AP score of 3 or higher on English *Language/Comp*
- AP score of 5 or higher on English *Literature/Comp*
- ACT score of 29 or higher
- SAT score of 500 or higher (before April 1995), 580 or higher (May 1995 - May 2010), or 660 or higher (after May 2010).

Students may pass CLEP and DANTES tests in the appropriate subject areas in order to earn credit for general education English prefix courses. Appropriate courses are determined by the department chair.

## Area II. Arts and Humanities - 9 credit

### hours

AR 103: Art Appreciation GT-AH1 .....	3
ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
MUS 100: Intro to Music Lit GT-AH1 .....	3
THTR 180: Intro to Theatre GT-AH1 .....	3

An entering student who has earned a score of 3 on the Advanced Placement Exam in English

Literature/Composition (senior or junior year AP) will be awarded 3 semester hours of credit for ENG 203—

Major Themes in Literature. Students may pass CLEP and DANTE tests in the appropriate subject areas in order to earn credit for general education English prefix courses. Appropriate courses are determined by the department chair.

## Area III. Mathematics - 3 credit hours

MATH 104: Finite Mathematics GT-MA1 .....	3
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
MATH 150: Librl Arts Mathematics GT-MA1 .....	3

## Area IV. Social & Behavioral

### Sciences/History - 12 credit hours

At least one course must have either an HGP or HIST prefix, but no more than a total of two courses can have HGP or HIST prefixes.

ECON 201: Econ in Today's Society GT-SS1 .....	3
GOVT 291: American Government .....	3
HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
PSYC 101: Introduction to Psyc GT-SS3 .....	3
SOC 201: Soc Imagination GT-SS3 .....	3

## Area V. Physical and Natural Sciences - 8

### credit hours

Transfer students may use one non-laboratory science course to meet half of this requirement, reducing the total to 7 credit hours.

BIOL 101: Introductory Biology GT-SC1 .....	4
and BIOL 101L: Introductory Biology Lab .....	0

BIOL 203: General Biology GT-SC1 .....	5
and BIOL 203L: General Biology Lab .....	0
CHEM 103: Intro to Forensic Chem-GT-SC1 .....	4
and CHEM 103L: Intro to Forensic Chem Lab .....	0
CHEM 111: Introductory Chemistry GT-SC1 .....	4
and CHEM 111L: Introductory Chemistry Lab .....	1
CHEM 131: General Chemistry GT-SC1 .....	4
and CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
and CHEM 132L: General Chemistry Lab .....	1
ENV 101: Intro to Environmntl Sci GT-SC1 .....	4
GEOG 101: Intro/Physical Geog (GT-SC1) .....	4
GEOL 111: Physical Geology .....	4
PHYS 150: Light - GT-SC1 .....	4
and PHYS 150L: Light Lab .....	0
PHYS 201: Intro to Astronomy GT-SC1 .....	4
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1

## ***Adventure Leadership & Programming (ALP)***

Chairperson: Curt Howell

Telephone: 719-587-7018

[http://adams.edu/student\\_life/leadership/adventure-leadership-programming.php](http://adams.edu/student_life/leadership/adventure-leadership-programming.php)

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

### **Minor in Adventure Leadership and Programming**

Adventure Leadership and Programming (ALP) is a minor in the Human Performance and Physical Education department. This unique 21 credit hour minor exposes students to the critical skills necessary to be an effective leader in the back-country as well as in any profession. Students can begin taking classes in the spring or summer.

The Adventure Leadership and Programming minor is designed so that a group of 9 students can go through the course progression in one year of study. Students are encouraged to apply during their second semester of their first year, but applications are accepted year round.

While students learn technical skills such as snow pack assessment or climbing anchor system construction, the core components of an ALP course will focus on developing the interpersonal skills and teaching skills that empower individuals to be effective in any profession.

[Apply to the ALP Minor](#)

### **Minor in Adventure Leadership and Programming**

#### **Degree Requirements**

HPPE 160: Intro Adventure & Leadership .....	3
Fall and Spring. No additional fee.	
HPPE 261: Adv Leadership/Program Exped .....	6

	Summer (Field portion in mid-July). \$400 fee.
HPPE 262: Climbing Wall Instructor .....	1
Fall (1 weekend). \$125.00 fee.	
HPPE 263: Mountain Bike Site Management .....	1
Fall (1 weekend). \$125.00 fee.	
HPPE 264: Rock Climbing Site Management .....	2
Fall (1 weekend). \$200 fee.	
HPPE 365: Winter Leadership Intensive .....	3
Spring (begins and ends prior to start of spring semester). \$350 fee.	
HPPE 266: Wilderness First Aid (WFA) .....	1
Spring (1 weekend). \$250.00 fee.	
HPPE 267: Challenge Course Instructor .....	1
Spring (1 weekend). \$50.00 fee.	
HPPE 468: Mountaineering Capstone Exp .....	3
Spring (course takes place in May after finals). \$350.00 fee.	

## ***American Sign Language***

Chairperson: (See Academic Affairs)

Telephone: 719-587-7622

<http://adams.edu/academics/>

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

### **Minor in American Sign Language (currently not available)**

Adams State University offers a 15-credit minor in American Sign Language intermittently. If interested, please contact the Academic Affairs office at 719-587-7622 or visit <http://adams.edu/academics/>.

### **Minor in American Sign Language (currently not available)**

COUN 215: American Sign Language I .....3  
COUN 321: American Sign Language II (3 hours)  
COUN 351: American Sign Language III (3 hours)  
COUN 479: Special Topics ..... 1 TO 6  
PSYC 379: Special Topics ..... .5 TO 6  
OR  
COUN 499: American Sign Language V (3 hours)

## ***Art***

Chairperson: Claire van der Plas, M.F.A.

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Art has the ability to provoke, evoke, stimulate and inspire. The Art Department uses this statement as the basis of its mission. The art programs are designed to develop in students the breadth of understanding necessary to explore new ideas and challenge convention. Its mission is to enable students to create the greatest art of all: art that makes a difference.

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

More information about the art programs, facilities, faculty and the Art Department galleries is available at [art.adams.edu](http://art.adams.edu).

### **Master of Arts in Art**

(Currently not accepting new applicants.)

The Master of Arts in Art, housed in the Department of Art at Adams State University, is the only program of its kind offered in southern Colorado. The program serves the practicing artist in his or her endeavor to elevate individual artistic practice to a higher plane both conceptually and technically. It also serves art educators as a resource for professional growth. As well as helping educators further develop their own artistic practice the graduate program provides a forum for art education issues through interaction with other professional art educators. Finally, the graduate program serves as a model for the undergraduate student to observe and understand the professional level of competency attained through the graduate experience.

Concentrations are available in ceramics, drawing, metalsmithing, painting, photography, printmaking, and sculpture.

### **Admission Requirements**

Students desiring to enroll in a master's degree program in the Department of Art must hold a baccalaureate degree from an accredited institution and are generally expected to have the equivalent of an undergraduate major in art. Prospective candidates with a major other than art who possess exceptional talent in art may be accepted on the basis of their original artwork. Students enrolled in the final year of undergraduate study may be admitted to graduate study pending verification of receipt of the baccalaureate degree. All applicants must submit the following information to the Graduate School, Adams State University, 208 Edgemont Blvd., Alamosa, CO 81101:

1. An application for admission to graduate study, including Form D
2. A \$30 non-refundable application fee.
3. An official transcript sent directly from the institution to the Graduate School verifying receipt of the baccalaureate degree. Transcripts from Adams State need not be requested; however, official transcripts confirming transfer courses are required. Unofficial transcripts will not be accepted.
4. Two letters of recommendation from supervisory sources.

5. A one-page written statement of intent, outlining the conceptual and media approaches you are interested in pursuing in the program.
6. A digital portfolio consisting of 15 to 20 images with examples of work in at least two media (with emphasis on area of concentration).
7. Additional information may be requested by the Department of Art before an admission decision can be determined.
8. The chair of the Department of Art will notify students of admission decisions.

**Application/Portfolio Submission Deadlines:**

- May 1: For admission in the following summer or fall semesters
- December 1: For admission in the following spring semester

Portfolios postmarked after the above dates will not be reviewed until the subsequent admissions cycle. Applicants should discuss the appropriate deadlines with the chair of the Art Department.

**Degree Requirements**

**Faculty Review**

At the end of the first 12 semester hours of graduate course work taken at Adams State College, a faculty review of the student’s progress will be conducted. Continuation in the program is dependent upon the outcome of this evaluation. The recommended courses in this 12-hour block include AR 503-Research for the Visual Arts, AR 508-Drawing, and six hours selected in consultation with the student’s academic advisor.

**Course Requirements**

A minimum of 36 semester hours of coursework, consisting of 18 hours required classes, 9 hours of your major concentration, and 9 hours of electives, is required. These courses vary depending on the area of concentration (see below).

**Ceramics/Metalsmithing/Sculpture Concentration**

Required Courses (18 hours)

AR 503: Resrch Meth f/ the Visual Arts .....	3
Fall only.	
AR 502: Special Projects .....	3
AR 505: Seminar in Art (3 hours)	
Spring only.	
AR 597: Thesis Proposal (3 hours)	
Semester prior to thesis only.	
AR 598: Thesis .....	6

Major Concentration - 9 hours in one of the following areas: Ceramics, Metalsmithing, or Sculpture

Elective Courses (9 hours)

- At least 3 hours must come from one of the following areas: Ceramics, Drawing, Metalsmithing, Painting, Photography, Printmaking, or Sculpture.
- A maximum of 6 hours may be transfer credits that must be approved by the department chair of Art.

**Drawing/Painting Concentration**

Required Courses (18 hours)

AR 503: Resrch Meth f/ the Visual Arts .....	3
Fall only.	
AR 508: Drawing .....	3
AR 505: Seminar in Art (3 hours)	
Spring only.	
AR 597: Thesis Proposal (3 hours)	
Semester prior to thesis only.	
AR 598: Thesis .....	6

Major Concentration - 9 hours in Drawing or Painting

Elective Courses (9 hours)

- At least 3 hours must come from one of the following areas: Ceramics, Drawing, Metalsmithing, Painting, Photography, Printmaking, or Sculpture.
- A maximum of 6 hours may be transfer credits that must be approved by the chair of the Art Department.

## Photography/Printmaking Concentration

Required Courses (18 hours)

AR 503: Resrch Meth f/ the Visual Arts .....3 Fall only.	
AR 502: Special Projects .....3 or AR 508: Drawing .....3	
AR 505: Seminar in Art (3 hours) Spring only.	
AR 597: Thesis Proposal (3 hours) Semester prior to thesis only.	
AR 598: Thesis .....6	

Major Concentration - 9 hours in Photography or Printmaking

Elective Courses (9 hours)

- At least 3 hours must come from one of the following areas: Ceramics, Drawing, Metalsmithing, Painting, Photography, Printmaking, or Sculpture.
- A maximum of 6 hours may be transfer credits that must be approved by the chair of the Art Department.

In addition to the course requirements, the faculty may require students to address deficiencies by taking undergraduate courses that will not apply toward the master's degree.

### Thesis

All candidates for the Master of Arts degree in Art must successfully complete a thesis, which consists of a body of creative work. The thesis will be mounted as an exhibition at Adams State College and will be accompanied by a supporting paper. Students will defend the written document and body of work in an oral examination administered by the faculty committee. A representation from the thesis exhibition will be retained by the Department of Art as part of its permanent collection.

## Bachelor of Arts in Art Education (K-12)

### Degree Requirements

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

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

Completion of the following Art requirements:

AR 105: Intro to Art Criticism ..... 3	
AR 206: Studio One ..... 3	
AR 207: Studio Two ..... 3	
AR 208: Drawing ..... 3	
AR 216: Introduction to Art Education ..... 3	
AR 220: Painting ..... 3	
AR 250: Sculpt Carving & Fabrication ..... 3 or AR 251: Sculpt Casting & Installation ..... 3	
AR 260: Beginning Printmaking I ..... 3 or AR 261: Beginning Printmaking II ..... 3	
AR 270: Ceramics ..... 3	
AR 281: Beginning Digital Photography ..... 3 or AR 280: Beginning B&W Photography ..... 3	
AR 290: Metals and Jewelry ..... 3	
AR 334: Elem School Art Ed Methods ..... 3	
AR 335: Sec School Art Ed Methods ..... 3	
AR 364: History of Art ..... 3	
AR 365: History of Art ..... 3	

Plus 3 hours from the following:

AR 202: In Design ..... 3	
AR 306: Illustrator ..... 3	
AR 310: Photoshop ..... 3	

Complete a nine-hour area of emphasis in one of the following areas: art history, ceramics, drawing, metals, painting, photography, printmaking, sculpture (these nine hours will include classes from the above areas to add a maximum of six hours depending on the chosen emphasis).

Completion of departmental assessment procedures.

Students may be excused from basic studio courses on the basis of a portfolio of their work by the department chair.



Admission to the professional program in Teacher Education and all of its requirements.

[K-12 Education Licensure and Requirements](#)

Completion of the K-12 licensure requirements

## Bachelor of Arts in Liberal Arts (Studio Art)

with the following emphases:

- ceramics
- drawing
- metals/jewelry
- painting
- design
- photography
- printmaking
- sculpture

### Degree Requirements

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

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 305: Art Theory .....	3

Completion of six semester hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
or AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3

Completion of six hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Completion of three hours from the following:

AR 202: InDesign .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

Complete a 12-hour area of emphasis in one or more of the following areas:

- ceramics
- drawing
- metals
- painting
- graphic design
- photography
- printmaking
- sculpture

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

Completion of departmental assessment procedures.

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

# Bachelor of Fine Arts in Ceramics

## Degree Requirements

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

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
or AR 260: Beginning Printmaking I .....	3
or AR 261: Beginning Printmaking II .....	3
or AR 280: Beginning B&W Photography .....	3

Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
or AR 251: Sculpt Casting & Installation .....	3
or AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

Ceramics Major

AR 270: Ceramics .....	3
AR 370: Intermediate Ceramics I .....	3
AR 371: Intermediate Ceramics II .....	3
AR 472: Advanced Ceramics I .....	3
AR 473: Advanced Ceramics II .....	3

Completion of one 3D art studio course (3 credits)

AR 497: BFA Exhibition .....	6
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Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## Bachelor of Fine Arts in Drawing

Completion of requirements for a bachelor's degree

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

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 280: Beginning B&W Photography .....	3

Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
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AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

Drawing Major

AR 308: Intermediate Drawing I .....	3
AR 309: Intermediate Drawing II .....	3
AR 410: Advanced Drawing I .....	3
AR 411: Advanced Drawing II .....	3
AR 497: BFA Exhibition .....	6

Plus 6 hours from the following:

AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 360: Intermediate Printmaking .....	3
Art Studio Elective (3 credits)	

Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## **Bachelor of Fine Arts in Fiber (currently not available)**

(The fibers courses are not available this academic year. As faculty are available, the courses will be offered. Please contact the Art Department at 719-587-7823 to check on the status of these courses.)

Completion of requirements for a bachelor's degree

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

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3

Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

## Fiber Major

AR 240: Fiber .....	3
AR 340: Intermediate Fiber I .....	3
AR 341: Intermediate Fiber II .....	3
AR 442: Advanced Fiber I .....	3
AR 443: Advanced Fiber II .....	3
AR 497: BFA Exhibition .....	6

Recommended Art Electives: Sculpture, Ceramics, Metals/Jewelry, Photography

Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## Bachelor of Fine Arts in Graphic Design

Completion of requirements for a bachelor's degree

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3

Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

#### Graphic Design Major

Completion of 15 credits from the following:

AR 202: In Design .....	3
AR 301: Typography .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3
AR 312: Design for the Internet .....	3
AR 401: Advanced Graphic Design .....	3
AR 381: Intrmdte Digital Photography .....	3

Art Studio Elective (3 credits)

AR 497: BFA Exhibition .....	6
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Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

### Bachelor of Fine Arts in Metals/Jewelry

Completion of requirements for a bachelor's degree

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3

### Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3

### Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3

### Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

### Metals/Jewelry Major

AR 290: Metals and Jewelry .....	3
AR 390: Interm Metals and Jewelry I .....	3
AR 391: Interm Metals and Jewelry II .....	3
AR 494: Adv Metals and Jewelry I .....	3
AR 495: Adv Metals and Jewelry II .....	3
Art Studio Elective (3 credits)	

AR 497: BFA Exhibition 6

Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## Bachelor of Fine Arts in Painting

Completion of requirements for a bachelor's degree

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

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

### Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

### Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

### Plus 3 hours from the following:

AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3

### Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

### Plus 3 additional hours from the following:

AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

#### Painting Major

AR 220: Painting .....	3
AR 308: Intermediate Drawing I .....	3
AR 320: Intermediate Painting I .....	3
AR 321: Intermediate Painting II .....	3
AR 422: Advanced Painting I .....	3
AR 423: Advanced Painting II .....	3
AR 497: BFA Exhibition .....	6

Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## Bachelor of Fine Arts in Photography

Completion of requirements for a bachelor's degree

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3

AR 498: Professional Practice .....	3
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Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3

Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

#### Photography Major

AR 280: Beginning B&W Photography .....	3
AR 380: Intermediate Photography .....	3
AR 381: Intrmdte Digital Photography .....	3
AR 484: Advanced Photography I .....	3
AR 485: Advanced Photography II .....	3
Art Studio Elective (3 credits)	

AR 497: BFA Exhibition .....	6
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Recommended Art Electives: Graphic Design,  
Printmaking

Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## Bachelor of Fine Arts in Printmaking

Completion of requirements for a bachelor's degree

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 280: Beginning B&W Photography .....	3

Plus 3 hours from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 280: Beginning B&W Photography .....	3
AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

Printmaking Major

AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 308: Intermediate Drawing I .....	3
AR 360: Intermediate Printmaking .....	3
AR 462: Advanced Printmaking I .....	3
AR 463: Advanced Printmaking II .....	3
AR 497: BFA Exhibition .....	6

Recommended Art Electives: Drawing, Painting, Graphic Design, Photography

Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.



## Bachelor of Fine Arts in Sculpture

Completion of requirements for a bachelor's degree

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

Completion of the following Studio Core:

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 209: Beginning Drawing II .....	3
AR 281: Beginning Digital Photography .....	3
AR 498: Professional Practice .....	3

Completion of the following Art History/Theory Core:

AR 105: Intro to Art Criticism .....	3
AR 305: Art Theory .....	3
AR 405: Seminar in Art .....	3
AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3
or AR 368: Performance Art .....	3

Plus 3 hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3

Plus 3 hours from the following:

AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 additional hours from the following:

AR 220: Painting .....	3
AR 260: Beginning Printmaking I .....	3
AR 261: Beginning Printmaking II .....	3
AR 280: Beginning B&W Photography .....	3
AR 270: Ceramics .....	3
AR 290: Metals and Jewelry .....	3

Plus 3 hours from the following:

AR 202: In Design .....	3
AR 306: Illustrator .....	3
AR 310: Photoshop .....	3

Sculpture Major

Completion of 15 credits from the following:

AR 250: Sculpt Carving & Fabrication .....	3
AR 251: Sculpt Casting & Installation .....	3
AR 350: Intermediate Sculpture I .....	3
AR 351: Intermediate Sculpture II .....	3
AR 452: Advanced Sculpture I .....	3
AR 453: Advanced Sculpture II .....	3
Art Studio Elective (3 credits)	

AR 497: BFA Exhibition .....	6
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Completion of departmental assessment procedures.

Completion of BFAP with score of 1 and minimum GPA of 2.75 in the major courses. NOTE: Students must pass the Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of at least 2.75 in their major coursework in order to enroll in AR 497 B.F.A. Exhibition. B.F.A. portfolio requirements and deadlines are available from the department chair.

## Associate of Arts in Art (Studio)

Completion of the general education requirements for the Associate of Arts degree including AR 103-Art Appreciation

Completion of the following courses:

AR 105: Intro to Art Criticism .....	3
AR 206: Design 2D .....	3
AR 207: Design/3D .....	3
AR 208: Drawing .....	3

Completion of one 2D studio course:

AR 220: Painting .....	3
or AR 260: Beginning Printmaking I .....	3
or AR 261: Beginning Printmaking II .....	3
or AR 280: Beginning B&W Photography .....	3
or AR 281: Beginning Digital Photography .....	3

Completion of one 3D art studio course (3 credits)

AR 250: Sculpt Carving & Fabrication .....	3
or AR 251: Sculpt Casting & Installation .....	3
or AR 270: Ceramics .....	3
or AR 290: Metals and Jewelry .....	3

Electives to make a total of 60 credits for the degree.

## Minor in Art

A minor is available by taking 18 semester hours in the following core and selected areas:

Completion of the following courses:

AR 105: Intro to Art Criticism .....	3
AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3

Completion of one 2D studio course:

AR 202: InDesign .....	3
or AR 209: Beginning Drawing II .....	3
or AR 220: Painting .....	3
or AR 260: Beginning Printmaking I .....	3
or AR 261: Beginning Printmaking II .....	3
or AR 280: Beginning B&W Photography .....	3
or AR 281: Beginning Digital Photography .....	3

Completion of one 3D art studio course (3 credits)

AR 240: Fiber .....	3
or AR 250: Sculpt Carving & Fabrication .....	3
or AR 270: Ceramics .....	3
or AR 290: Metals and Jewelry .....	3

## Art Emphasis for Elementary Education Licensure

### Degree Requirements

Completion of requirements for a bachelor's degree

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

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

Required Courses for Emphasis

AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 334: Elem School Art Ed Methods .....	3

Choose one of the following:

AR 364: History of Art I .....	3
AR 365: History of Art II .....	3
AR 367: Women Artists in Art History .....	3

## Biology

Chairperson: Benita Brink, Ph.D.

Professor(s): Tim Armstrong, Ph.D.; Benita Brink, Ph.D.

Associate Professor(s): Kristy Duran, Ph.D.

Assistant Professor(s): Adam Kleinschmidt, Ph.D.;

Megan Sherbenou, Ph.D.; Matthew Steffenson, Ph.D.

Telephone: (719) 587-7426

<http://www.adams.edu/academics/biology/index.php>

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

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

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

### Bachelor of Arts in Biology (Liberal Arts)

#### Degree Requirements

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

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

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

Completion of the following required courses:

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

Choose two 400-level biology courses.

Completion of required support courses:

MATH 205: Intro to Statistical Methods .....	3
CHEM 111: Introductory Chemistry GT-SC1 .....	4
and CHEM 111L: Introductory Chemistry Lab .....	1
and CHEM 112: Intro Organic/Biological Chem .....	4
and CHEM 112L: Intro Organic/Biol Chem Lab .....	1
OR	
CHEM 131: General Chemistry GT-SC1 .....	4
and CHEM 131L: General Chemistry Lab .....	1
and CHEM 132: General Chemistry GT-SC1 .....	4
and CHEM 132L: General Chemistry Lab .....	1
and CHEM 321: Organic Chemistry .....	4
and CHEM 321L: Organic Chemistry Lab .....	1

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

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

#### Degree Requirements

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

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

Completion of the secondary teacher licensure requirements.

[Bachelor of Arts with Secondary Education Licensure](#)

Completion of the following required courses:

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

Plus a minimum of 4 credits from the following:

BIOL 417: Vascular Plant Systematics .....	4
BIOL 420: Mycology .....	4
BIOL 423: Plant Physiology .....	4
BIOL 430: Plant Ecology .....	4

Plus a minimum of three credits from the following:

BIOL 440: Invertebrate Zoology .....	4
BIOL 460: Ornithology .....	3
BIOL 461: Entomology .....	3
BIOL 463: Ichthyology .....	3
BIOL 464: Mammalogy .....	3
BIOL 471: Herpetology .....	3

Plus a minimum of three credits from the following:

BIOL 404: Physiological Zoology .....	3
BIOL 408: Developmental Biology .....	4
BIOL 411: Comparative Anatomy .....	4
BIOL 448: Microbiology .....	4

Completion of required support courses:

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

Recommended Courses:

BIOL 205: Human Anatomy & Physiology .....	4
BIOL 206: Human Anatomy & Physiology .....	4
BIOL 125: Nutrition .....	2
BIOL 407: Comparative Animal Physiology .....	4
BIOL 448: Microbiology .....	4
BIOL 476: Molecular Biology I .....	4
GEOLOGY 111: Physical Geology .....	4
GEOLOGY 112: Earth History .....	4
MATH 205: Intro to Statistical Methods .....	3

Plus other courses required by the Teacher Education Department.

## Bachelor of Science in Biology (Cellular and Molecular Biology)

### Degree Requirements

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

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

Completion of the following required courses:

BIOL 209: General Biology I .....	5
BIOL 210: General Biology II .....	5
BIOL 321: Genetics .....	3
BIOL 323: Cellular Biology .....	3
BIOL 325: Cellular Biology/Genetics Lab .....	1
BIOL 330: Ecology .....	4
BIOL 332: Evolution .....	3
BIOL 448: Microbiology .....	4
BIOL 476: Molecular Biology I .....	4
BIOL 477: Molecular Biology II .....	4
BIOL 493: Thesis I .....	1
BIOL 494: Thesis II .....	1

Plus a minimum of seven credits from the following:

BIOL 407: Comparative Animal Physiology .....	4
BIOL 408: Developmental Biology .....	4
BIOL 411: Comparative Anatomy .....	4
BIOL 450: Immunology .....	4
BIOL 451: Endocrinology .....	3

Completion of required support courses:

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

## Bachelor of Science in Biology (Organismal Biology)

### Degree Requirements

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

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

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

Completion of the following required courses:

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

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

#### A.

BIOL 417: Vascular Plant Systematics .....	4
BIOL 420: Mycology .....	4
BIOL 423: Plant Physiology .....	4
BIOL 430: Plant Ecology .....	4

#### B.

BIOL 404: Physiological Zoology .....	3
BIOL 440: Invertebrate Zoology .....	4
BIOL 460: Ornithology .....	3
BIOL 461: Entomology .....	3
BIOL 463: Ichthyology .....	3
BIOL 464: Mammalogy .....	3
BIOL 471: Herpetology .....	3

Plus a minimum of 4 credits from the following:

BIOL 407: Comparative Animal Physiology .....	4
BIOL 408: Developmental Biology .....	4
BIOL 411: Comparative Anatomy .....	4
BIOL 448: Microbiology .....	4

Completion of required support courses:

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1

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

## Bachelor of Science in Biology (Wildlife)

### Degree Requirements

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

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

Completion of the following required courses:

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

Plus a minimum of 4 credits from the following:

BIOL 467: Wildlife Management .....	2
BIOL 468: Vegetation/Habitat Management .....	2
BIOL 469: Fisheries Management .....	2

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

#### A.

BIOL 460: Ornithology .....	3
BIOL 463: Ichthyology .....	3
BIOL 464: Mammalogy .....	3
BIOL 471: Herpetology .....	3

#### B.

BIOL 404: Physiological Zoology .....	3
BIOL 411: Comparative Anatomy .....	4
BIOL 440: Invertebrate Zoology .....	4
BIOL 461: Entomology .....	3

#### C.

BIOL 417: Vascular Plant Systematics .....	4
BIOL 420: Mycology .....	4
BIOL 423: Plant Physiology .....	4
BIOL 430: Plant Ecology .....	4

Nine hours of plant-related courses are required for positions with the federal government.

Completion of required support courses:

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

Recommended Courses:

BIOL 314: Conservation Biology .....	3
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## Minor in Biology

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

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

## Biology (Science) Emphasis for Elementary Education Licensure

### Degree Requirements

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

Required Courses for Emphasis

### Pre-Dentistry

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

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

Plus 6 credits of approved sequence in fine arts/humanities

### Pre-Medicine

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

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

The following courses are highly recommended:

PSYC 101: Introduction to Psyc GT-SS3 .....	3
SOC 201: Soc Imagination GT-SS3 .....	3

### Pre-Optometry

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

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

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

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

## Pre-Pharmacy

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

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

Core science and mathematics courses required for most programs:

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

### Notes:

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

PHYS 225: College Physics I GT-SC1 .....	5
ENG 101: Communication Arts I GT-C01 .....	3
ENG 102: Communication Arts II GT-C02 .....	3
ECON 255: Principles of Economics I .....	3
SPCH 100: Speech Fundamentals .....	3

One course in psychology, sociology, or history (3 credits)



Social science and humanities electives (9-15 credits)

## Pre-Physician Assistant

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

BIOL 203: General Biology GT-SC1 .....	5
BIOL 204: General Biology GT-SC1 .....	5
BIOL 321: Genetics .....	3
BIOL 407: Comparative Animal Physiology .....	4
CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
MATH 205: Intro to Statistical Methods .....	3
OR	
PSYC 211: Intro to Stats Lecture/Lab .....	4
PSYC 101: Introduction to Psyc GT-SS3 .....	3
PSYC 204: Child Development .....	3

Upper-division science (3 credits)

Humanities (not including ENG 101, 12 credits)

Upper-division semester hours (18 credits)

Graduate Record Examination (GRE) and the GRE Writing Assessment are also required.

## Pre-Veterinary Medicine

Students should prepare for admittance to professional schools in veterinary medicine by completing a B.S. degree in biology (cellular and molecular biology) or a B.S. degree in chemistry (biochemistry) prior to application for veterinary school admission. Veterinary schools often list minimum course requirements for admission. What follows is typical of these minimum course lists. Students are strongly urged to consult as

early as possible with the biology pre-veterinary advisor to plan a program. Some upper-division courses have prerequisites not listed below.

BIOL 203: General Biology GT-SC1 .....	5
BIOL 204: General Biology GT-SC1 .....	5
BIOL 321: Genetics .....	3
BIOL 323: Cellular Biology .....	3
BIOL 325: Cellular Biology/Genetics Lab .....	1
BIOL 332: Evolution .....	3
BIOL 407: Comparative Animal Physiology .....	4
BIOL 408: Developmental Biology .....	4
BIOL 411: Comparative Anatomy .....	4
BIOL 448: Microbiology .....	4
BIOL 476: Molecular Biology I .....	4
CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
CHEM 321: Organic Chemistry .....	4
CHEM 321L: Organic Chemistry Lab .....	1
CHEM 401: Biochemistry .....	3
CHEM 401L: Biochemistry Lab .....	1
ENG 101: Communication Arts I GT-C01 .....	3
ENG 102: Communication Arts II GT-C02 .....	3
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
MATH 205: Intro to Statistical Methods .....	3
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 226: College Physics II .....	5
SPCH 100: Speech Fundamentals .....	3

Plus additional, required general education courses.

## ***Business***

Chairperson: Linda Reid, D.B.A. and Pat Robbins, Ph.D.

Professor(s): Zena Buser, Ph.D.; Edward Lyell, Ph.D.;

Linda Reid, D.B.A.; Michael Tomlin, Ed.D.

Associate Professor(s): Patricia Robbins, Ph.D.

Assistant Professor(s): Sheryl Abeyta, M.T.; Elizabeth

Hensley, Ph.D.; William Herrmann, M.B.A.; Natalie

Rogers, M.B.A.; Armando Valdez, M.B.A.; Mohamed

Yusri Zaro, M.B.A.

Telephone: (719) 587-7161

<http://www.adams.edu/academics/business>

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

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

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

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

### **Master of Business Administration**

Online delivery allows today's busy working professional the opportunity to participate in a program without putting your career on hold. Whether you travel extensively, have a job that prevents you from

attending traditional on-campus classes, or have family obligations that limit your available time, the flexibility of online delivery brings the Adams State University M.B.A. program to you, on your schedule.

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

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

### **Admission Requirements**

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

1. An application for admission to graduate study
2. A \$30 non-refundable application fee.
3. An official transcript sent directly from the institution to the ASU Office of Graduate Studies verifying receipt of the baccalaureate degree. Transcripts from Adams State need not be requested; however, official transcripts confirming transfer courses are required.
4. GPA of 3.0 or higher in the most recent 30 credit hours (undergraduate and graduate hours acceptable).
5. GRE or GMAT test score. Preferred GRE score is 500 and preferred GMAT score is 570. Lower scores will be considered but exemption request would need to be filed by the student.
6. One semester of undergraduate or graduate level courses is required in Accounting and Finance. Candidates in the Health Administration emphasis need one

undergraduate semester course in Health Administration. This criterion can be filled through ASU Extended Studies while enrolled in the M.B.A. program.

7. Depending on GRE or GMAT scores in the quantitative section, a semester of an undergraduate course in business quantitative techniques may be required.
8. Two recent letters of recommendation (please include phone numbers).
9. Resume which includes academic, volunteer, and work experience.
10. A letter of intent (statement of purpose) describing interests, background, the emphasis of interest, and professional goals. The letter will be used to assess writing skills for eligibility into the program.
11. Additional information may be requested by the Department of Business before an admission decision can be determined.
12. The chair of the M.B.A. department will notify students of admission decisions.

## Degree Requirements

### Required Core

BUS 500: Leadership Skills for Managers .....	3
BUS 505: Creating Consumer Value .....	3
ECON 505: Managerial Economics .....	3
BUS 510: Global Business Perspectives .....	3
BUS 515: Managerial Statistics .....	3
BUS 520: Managerial Accounting .....	3
BUS 525: Financial Analysis .....	3
BUS 540: Strategy .....	3

### Accounting Emphasis

BUS 564: Accounting Ethics .....	3
BUS 565: Advanced Audit .....	3
BUS 570: Forensic/Investigative Acctng .....	3
BUS 575: International Accounting .....	3

### Health Administration Emphasis

HCA 545: Public Health .....	3
HCA 550: Elderly and Managed Care .....	3
HCA 555: Health Policy .....	3
HCA 590: Practicum .....	3
or HCA 595: HCA Thesis .....	3

## Leadership Emphasis

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

## Public Administration Emphasis

BUS 580: Public / Nonprofit Management .....	3
BUS 585: Public Budgeting and Finance .....	3
BUS 590: Policy Analysis .....	3
BUS 595: Public Administration Capstone .....	3

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

### Program Information

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

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

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

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

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

1. The student may be enrolled in either a graduate or undergraduate degree program, taking both undergraduate and graduate courses, with two degrees being conferred only when the requirements for both are completed. This student must be monitored and eligibility for certain financial aid programs may be restricted. A "500-Level Course Evaluation" form must be completed and approved by the M.B.A. director and the School of Business chair prior to registration. A student must have completed 90 credit hours prior to starting 500-level courses.
2. The student is an undergraduate taking graduate course(s) as part of their undergraduate degree program. The courses are being used to complete the undergraduate degree. This student is treated for financial aid purposes as a normal undergraduate student and no special financial aid processing is required.

Until students accumulate 120 total credit hours bachelor/M.B.A., they will be classified as undergraduates for financial aid and College Opportunity Fund (COF) purposes (COF applies to courses numbered 100, 200, 300, and 400 only).

ASU undergraduate/M.B.A. students may count up to 6 credit hours of M.B.A. work toward their undergraduate degree program with permission from the M.B.A.

director and School of Business chair. These students will be able to finish their M.B.A. with 30 credit hours as 6 credit hours would have counted toward their baccalaureate degree.

## Bachelor of Arts in Business Administration

With emphases in:

- Advertising
- Business Teacher Education (with secondary teacher licensure)
- General Business
- International Business

## Degree Requirements

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

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

Completion of one of the following emphases:

### Advertising Emphasis

Completion of the following required courses:

BUS 207: Principles of Accounting I .....	3
BUS 304: Principles of Marketing .....	3
BUS 318: Business Statistics .....	3
BUS 335: Consumer Behavior .....	3
BUS 345: Advertising .....	3
BUS 361: Principles of Management .....	3 TO 4
BUS 448: Interactive Marketing .....	3

BUS 454: Market Research & Information .....	3
BUS 460: Marketing Management .....	3
BUS 466: Business Ethics .....	3
ECON 255: Macroeconomics Principles .....	3
AR 202: InDesign .....	3
AR 206: Studio One .....	3
AR 207: Studio Two .....	3
AR 208: Drawing .....	3
AR 281: Beginning Digital Photography .....	3

Plus 4 courses of the following:

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

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

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

Completion of the following required courses:

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

Completion of the secondary teacher licensure requirements.

#### [Bachelor of Arts with Secondary Education Licensure](#)

Plus completion of one of the following areas of specialization:

### **Accounting**

BUS 305: Intermediate Accounting I .....	4
or BUS 307: Managerial Cost Accounting I .....	3
or BUS 355: Individual Income Taxation .....	4

### **Management Information Systems**

A minimum 12 credits from the following:

BUS 312: Web Design I .....	3
BUS 321: Survey of Operating Systems .....	3
BUS 324: Data Communications & Network .....	3
BUS 382: Database & Information Mngmnt .....	3
BUS 425: Systems Analysis .....	3

### **General Business Emphasis**

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

### **International Business Emphasis**

Business Administration Core (42):

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

Completion of the following required courses:

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

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

## Bachelor of Science in Business Administration

With emphases in:

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

### Degree Requirements

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

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

Completion of the following required courses:

BUS 103: Introduction to Business .....	3
(except for Agribusiness Emphasis)	
BUS 120: Bus Computer Applications I .....	3
BUS 207: Principles of Accounting I .....	3

BUS 208: Principles of Accounting II .....	3
BUS 211: Business Law .....	3
BUS 265: Business Communications .....	3
BUS 304: Principles of Marketing .....	3
BUS 318: Business Statistics .....	3
BUS 361: Principles of Management .....	3 TO 4
BUS 363: Managerial Finance .....	3
BUS 430: Production & Operations Mgmt .....	3
BUS 480: Global Business Strategies .....	3
ECON 255: Macroeconomics Principles .....	3
ECON 256: Microeconomics Principles .....	3

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

### Accounting Emphasis

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

Optional class

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

### Agribusiness Emphasis

BUS 105: Introduction to Agribusiness .....	3
BUS 355: Fundamentals of Income Tax .....	4
BUS 364: Agribusiness Management .....	3
BUS 378: Commodities/Risk Management .....	3
BUS 384: Natural Resources/Water Law .....	3
BUS 398: Farm and Ranch Management .....	3
BUS 478: Agricultural Marketing .....	3
BUS 488: Ag Policy and Farm Bill .....	3
BUS 498: World Food Distrb/Ag Economics .....	3

Plus 12 upper-level business credits as approved by advisor

## Economics Emphasis

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

A minimum 12 credits from the following:

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

## Finance Emphasis

BUS 367: Financial Analysis .....	3
BUS 368: Financial Institutions .....	3
BUS 373: Investment Analysis .....	3
BUS 383: Int'l Financial Mgmt .....	3
BUS 414: Commercial Banking .....	3
BUS 416: Business Financial Problems .....	3
BUS 426: Money & Capital Markets .....	3

Electives (6 semester hours) from the following:

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

## General Business Emphasis

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

## Health Care Administration Emphasis

BUS 362: Human Resource Management .....	3
HCA 303: Health Care Administration .....	3
HCA 305: Health Care Marketing .....	3
HCA 311: Health Care Law & Ethics .....	3
HCA 312: Health Care Med Terminology .....	2
HCA 325: Health Care Information System .....	3
HCA 363: Health Care Finance .....	3
HCA 381: Health Care Admin Internship .....	3
HCA 402: Epidemiology .....	3
HCA 455: Health Care Economics .....	3
HCA 462: Quality Mgmt in Health Care .....	3
HCA 480: Health Care Policy .....	3

## Management Emphasis

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

Plus 3 hours from the following:

ECON 425: Economic Policy .....	3
ECON 433: Managerial Economics .....	3

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

## Marketing Emphasis

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

Plus any 3 classes of the following:

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

## Small Business Emphasis

BUS 315: Sales and Sales Management .....	3
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BUS 345: Advertising .....	3
BUS 362: Human Resource Management .....	3
BUS 365: Small Bus Mngmnt/Entrepreneur .....	3
BUS 466: Bus Ethics Decision Making .....	3

Plus 9 semester hours of 300- to 400-level business or economics courses approved by the student's advisor:

### Associate of Science in General Business

Completion of the general education requirements for an associate's degree.

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

### Minor in Accounting

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

Minimum of 15 hours from the following:

BUS 207: Principles of Accounting I .....	3
BUS 208: Principles of Accounting II .....	3
BUS 305: Intermediate Accounting I .....	4
BUS 306: Intermediate Accounting II .....	4
BUS 307: Managerial Cost Accounting I .....	3
BUS 308: Managerial Cost Accounting II .....	3
BUS 355: Fundamentals of Income Tax .....	4
BUS 360: Govt & Institution Accounting .....	3
BUS 405: Advanced Accounting .....	4
BUS 407: Auditing I .....	3
BUS 409: Fraud Examination .....	3
BUS 455: Advanced Income Taxation .....	4

Plus 3 hours of business or economics courses

### Minor in Agribusiness

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

Minimum of 15 hours from the following:

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

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

### Minor in Business Administration

#### Degree Requirements

BUS 103: Introduction to Business .....	3
BUS 207: Principles of Accounting I .....	3
BUS 361: Principles of Management .....	3 TO 4
ECON 255: Macroeconomics Principles .....	3

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

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

### Minor in Economics

#### Degree Requirements

A minimum 18 credits from the following:

ECON 201: Econ & Today's Society GT-SS1 .....	3
ECON 255: Macroeconomics Principles .....	3
ECON 256: Microeconomics Principles .....	3



ECON 425: Economic Policy .....	3
ECON 433: Managerial Economics .....	3
BUS 373: Investment Analysis .....	3
BUS 378: Commodities/Risk Management .....	3
BUS 383: Int'l Financial Mgmt .....	3
BUS 307: Managerial Cost Accounting I .....	3
BUS 320: Bus Computer Applications II .....	3
BUS 355: Individual Income Taxation .....	4
BUS 414: Commercial Banking .....	3
BUS 416: Business Financial Problems .....	3
BUS 466: Bus Ethics Decision Making .....	3
BUS 498: World Food Distrb/Ag Economics .....	3
HCA 455: Health Care Economics .....	3

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

### Minor in Finance

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

Minimum of 15 hours from the following:

BUS 363: Managerial Finance .....	3
BUS 367: Financial Analysis .....	3
BUS 368: Financial Institutions .....	3
BUS 373: Investment Analysis .....	3
BUS 383: Int'l Financial Mgmt .....	3
BUS 414: Commercial Banking .....	3
BUS 416: Business Financial Problems .....	3
BUS 426: Money & Capital Markets .....	3

Plus 3 hours of business or economics courses

### Minor in Health Care Administration

#### Degree Requirements

A minor in Health Care Administration requires 18 credit hours in health care and/or nursing and/or business, of which 15 hours must be in health care.

BUS 103: Introduction to Business .....	3
BUS 120: Bus Computer Applications I .....	3
BUS 211: Business Law .....	3
HCA 303: Health Care Administration .....	3
HCA 305: Health Care Marketing .....	3
HCA 311: Health Care Law & Ethics .....	3
HCA 312: Health Care Med Terminology .....	2

HCA 325: Health Care Information System .....	3
HCA 363: Health Care Finance .....	3
HCA 381: Health Care Admin Internship .....	3
HCA 402: Epidemiology .....	3
HCA 455: Health Care Economics .....	3
HCA 462: Quality Mgmt in Health Care .....	3
HCA 480: Health Care Policy .....	3
BUS/NURS 300/400 Elective (3 credits)	

### Minor in International Business

#### Degree Requirements

Minimum of 15 hours from the following:

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

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

### Minor in Management

#### Degree Requirements

Minimum of 15 hours from the following:

BUS 361: Principles of Management .....	3 TO 4
BUS 362: Human Resource Management .....	3
BUS 365: Small Bus Mngmnt/Entrepreneur .....	3
BUS 401: Organizational Behavior .....	3
BUS 418: Leadership Strategies .....	3
BUS 419: Organizational Change/Develop .....	3
BUS 466: Bus Ethics Decision Making .....	3
BUS 480: Global Business Strategies .....	3

Plus 3 hours of business or economics courses

### Minor in Marketing

#### Degree Requirements

BUS 304: Principles of Marketing .....	3
BUS 315: Sales and Sales Management .....	3
BUS 335: Consumer Behavior .....	3

BUS 345: Advertising .....	3
BUS 356: Retailing .....	3
BUS 379: Special Topics .....	1 TO 3
BUS 385: Sports Marketing .....	3
BUS 441: International Marketing .....	3
BUS 450: Services Marketing .....	3
BUS 454: Market Research & Information .....	3
BUS 460: Marketing Management .....	3

Plus 3 hours of business or economics courses

### **Minor in Music Business**

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

Optional class

BUS 265: Business Communications .....	3
BUS 362: Human Resource Management .....	3
BUS 401: Organizational Behavior .....	3

### **Minor in Taxation**

#### **Degree Requirements**

A minimum 18 credits from the following:

BUS 355: Individual Income Taxation .....	4
BUS 371: Payroll Acctg & Taxation .....	3
BUS 377: Agricultural Taxation .....	3
BUS 455: Entity Taxation .....	4
BUS 465: Est Gft & Fiduc Tax Law .....	3
BUS 358: Accounting Ethics .....	3
BUS 179: Special Topics .....	1 TO 3
and/or BUS 379: Special Topics .....	1 TO 3
(up to 3 credits total)	

## Chemistry

Chairperson: Christy Miller Ph.D.

Professor(s): Christy Miller, Ph.D.; Frank Novotny, Ph.D.

Associate Professor(s): Chris Adams, Ph.D.; Renee Beeton, Ph.D.

Assistant Professor(s): Alexey Leontyev, Ph.D.

Telephone: (719) 587-7506

<http://www.adams.edu/academics/chemistry/index.php>

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

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

### Bachelor of Arts in Chemistry

#### Degree Requirements

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

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

- All students must demonstrate [writing proficiency](#) by the end of the sophomore year.
- No D grade may apply to a major or minor field.

Completion of the following required courses:

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

The following physics sequence:

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

The following course combination is recommended:

CHEM 334: Environmental Chemistry .....	3
CHEM 334L: Environmental Chemistry Lab .....	1

### Bachelor of Arts in Chemistry (Allied Health Professions)

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

#### Degree Requirements

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

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

Completion of the following required courses:

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

Either of the following mathematics sequences:

MATH 106: College Algebra GT-MA1 .....	3
and MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
OR	
MATH 120: Single Var Calculus I GT-MA1 .....	5
and MATH 121: Calculus II GT-MA1 .....	5

The following physics sequence:

PHYS 225: College Physics I GT-SC1 .....	5
and PHYS 226: College Physics II .....	5

OR

PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
and PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1

A minor in biology is required.

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

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

### Degree Requirements

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

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

Completion of the following required courses:

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
CHEM 321: Organic Chemistry .....	4
CHEM 321L: Organic Chemistry Lab .....	1
CHEM 322: Organic Chemistry .....	4
CHEM 322L: Organic Chemistry Lab .....	1
CHEM 331: Analytical Chemistry .....	3
and CHEM 331L: Analytical Chemistry Lab .....	2

CHEM 334: Environmental Chemistry .....	3
and CHEM 334L: Environmental Chemistry Lab .....	1
(or other environmental course approved by department chair)	
CHEM 471: Chemistry Seminar .....	1
CHEM 472: Chemistry Seminar Continuation .....	1
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5

Either year-long physics sequence:

PHYS 225: College Physics I GT-SC1 .....	5
and PHYS 226: College Physics II .....	5

OR

PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
and PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1
BIOL 101: Introductory Biology GT-SC1 .....	4
GEOL 111: Physical Geology - GT-SC1 .....	4
ED 350: Methods/Teaching Science-Sec .....	3

The following courses are highly recommended:

CHEM 332: Analytical Chemistry .....	3
and CHEM 332L: Analytical Chemistry Lab .....	2
CHEM 461: Inorganic Chemistry .....	3
CHEM 461L: Inorganic Chemistry Lab .....	1
CHEM 431: Phys Chem Lec/Thermodynamics .....	3

Completion of the secondary teacher licensure requirements.

[Bachelor of Arts with Secondary Education Licensure](#) assure timely graduation.

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

## Bachelor of Science in Chemistry

### Degree Requirements

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

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

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

Completion of the following required courses:

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
CHEM 321: Organic Chemistry .....	4
CHEM 321L: Organic Chemistry Lab .....	1
CHEM 322: Organic Chemistry .....	4
CHEM 322L: Organic Chemistry Lab .....	1
CHEM 331: Analytical Chemistry .....	3
CHEM 331L: Analytical Chemistry Lab .....	2
CHEM 332: Analytical Chemistry .....	3
CHEM 332L: Analytical Chemistry Lab .....	2
CHEM 431: Phys Chem Lec/Thermodynamics .....	3
CHEM 432: Phys Chem Lec/Quantum Mechanic .....	3
CHEM 433: Physical Chemistry Laboratory .....	2
CHEM 434: Physical Chemistry Laboratory .....	2
CHEM 471: Chemistry Seminar .....	1
CHEM 472: Chemistry Seminar Continuation .....	1
CHEM 401: Biochemistry .....	3
CHEM 401L: Biochemistry Lab .....	1
CHEM 461: Inorganic Chemistry .....	3
CHEM 461L: Inorganic Chemistry Lab .....	1
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
MATH 220: Multivariable Calculus .....	4
or MATH 327: Differential Equations .....	3
PHYS 230: General Physics I GT-SC1 .....	4
PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1

The following courses are recommended:

CHEM 216: Glassblowing .....	1
CHEM 424: Advanced Organic Chemistry .....	3
CHEM 445: Polymer Chemistry .....	3
CHEM 334: Environmental Chemistry .....	3
CHEM 334L: Environmental Chemistry Lab .....	1

ECON 255: Principles of Economics I .....	3
MATH 321: Linear Algebra .....	3
PHYS 300: Electronics & Microcontrollers .....	4
Notes: Students planning graduate work in biochemistry or biology should take CHEM 401 and 402. Taking both is highly recommended for students going to graduate school in either field. For students oriented in the physical or theoretical areas of chemistry, both MATH 220 and 327 are recommended.	

## Bachelor of Science in Biochemistry

### Degree Requirements

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

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

Completion of the following required courses:

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
CHEM 321: Organic Chemistry .....	4
CHEM 321L: Organic Chemistry Lab .....	1
CHEM 322: Organic Chemistry .....	4
CHEM 322L: Organic Chemistry Lab .....	1
CHEM 331: Analytical Chemistry .....	3
CHEM 331L: Analytical Chemistry Lab .....	2
CHEM 332: Analytical Chemistry .....	3
CHEM 332L: Analytical Chemistry Lab .....	2
CHEM 401: Biochemistry .....	3
CHEM 401L: Biochemistry Lab .....	1
CHEM 402: Biochemistry II .....	3

CHEM 431: Phys Chem Lec/Thermodynamics .....	3
CHEM 433: Physical Chemistry Laboratory .....	2
CHEM 461: Inorganic Chemistry .....	3
and CHEM 461L: Inorganic Chemistry Lab .....	1
or BIOL 476: Molecular Biology I .....	4
CHEM 471: Chemistry Seminar .....	1
CHEM 472: Chemistry Seminar Continuation .....	1
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
PHYS 225: College Physics I GT-SC1 .....	5
and PHYS 226: College Physics II .....	5
or PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1
BIOL 209: General Biology I GT-SC1 .....	5
BIOL 210: General Biology II GT-SC1 .....	5
BIOL 321: Genetics .....	3
BIOL 323: Cellular Biology .....	3
BIOL 325: Cellular Biology/Genetics Lab .....	1

## Bachelor of Science in Chemical Physics

### Degree Requirements

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

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

Completion of the following required courses:

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
CHEM 321: Organic Chemistry .....	4

CHEM 321L: Organic Chemistry Lab .....	1
CHEM 331: Analytical Chemistry .....	3
CHEM 331L: Analytical Chemistry Lab .....	2
CHEM 332: Analytical Chemistry .....	3
CHEM 332L: Analytical Chemistry Lab .....	2
CHEM 431: Phys Chem Lec/Thermodynamics .....	3
CHEM 432: Phys Chem Lec/Quantum Mechanic .....	3
CHEM 433: Physical Chemistry Laboratory .....	2
CHEM 434: Physical Chemistry Laboratory .....	2
CHEM 461: Inorganic Chemistry .....	3
CHEM 461L: Inorganic Chemistry Lab .....	1
CHEM 471: Chemistry Seminar .....	1
CHEM 472: Chemistry Seminar Continuation .....	1
PHYS 230: General Physics I GT-SC1 .....	4
PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1
PHYS 300: Electronics & Microcontrollers .....	4
PHYS 302: Mechanics .....	4
PHYS 304: Electricity and Magnetism .....	4
PHYS 306: Modern Physics .....	4
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
MATH 220: Multivariable Calculus .....	4
MATH 327: Differential Equations .....	3

The following courses are highly recommended:

CHEM 322: Organic Chemistry .....	4
CHEM 322L: Organic Chemistry Lab .....	1

### **Minor in Chemistry with Elementary Education Licensure**

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

### **Minor in Chemistry**

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

## ***Computer Science***

Chairperson: Christy Miller, Ph.D.

Assistant Professor(s): Comfort Cover, Ph.D.; George Sellman, M.S.

Telephone: (719) 587-7506

<http://www.adams.edu/academics/compsci>

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

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

## **Bachelor of Science in Mathematical Sciences (Computer Science Emphasis)**

### **Minor in Computer Science**

#### **Degree Requirements**

CSCI 205: Computer Science I .....	5
CSCI 206: Computer Science II .....	3

A minimum 12 credits from the following:

CSCI 224: Discrete Concepts .....	3
CSCI 307: Prgming Languages & Platforms .....	3
CSCI 316: Computer Architecture .....	3
CSCI 317: Computer Operating Systems .....	4
CSCI 325: Algorithm Design & Analysis .....	3
CSCI 328: Artficl Intelgnce/Machine Lrng .....	3
CSCI 418: Multiprocessor Computing .....	3
CSCI 435: Advanced Networking .....	3

### **Minor in Information Technology**

#### **Degree Requirements**

CSCI 205: Computer Science I .....	5
CSCI 224: Discrete Concepts .....	3

A minimum 12 credits from the following:

CSCI 307: Prgming Languages & Platforms .....	3
IT 240: Information Assurance/Security .....	3
IT 253: Platform Tech/System Admin .....	3
IT 345: System Integration/Architectur .....	3
IT 355: System Admin/Maintenance .....	3
IT 446: Project Mgmt/Sys Analsis/Desgn .....	3



## ***Counselor Education***

Chairperson: Mark Manzanares, Ph.D.

Professor(s): Don Basse, Ed.D.; Laura Bruneau, Ph.D.; Mark Manzanares, Ph.D.

Associate Professor(s): Cheri Meder, Ph.D.; Penny Sanders, Ed.D.

Assistant Professor(s): Courtney Allen, Ph.D.; Joel Givens, Ph.D.; Janessa Parra, Ph.D.; Neil Rigsbee, Ph.D. (visiting); Jared Thiemann, Ph.D.

Telephone: (719) 587-8345

<http://www.adams.edu/gradschool/counselored>

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

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

The Counselor Education Program is designed to serve all students interested in a quality education. In particular, it focuses on the needs of students from diverse ethnic and socioeconomic backgrounds within rural Colorado. The Counselor Education Program provides an excellent educational experience by creating a supportive and challenging environment that integrates personal and professional growth for students. Through the use of research and applied experiential learning, students will develop a solid knowledge base, comprehensive skills, and an ability to self-challenge. The program develops competent counselors who are proactive, ethical, and capable of recognizing and affirming the diversity of people, ideas,

and values. They will be persons of integrity who will be advocates for individual and societal growth. They will have the sensitivity, flexibility, and knowledge to serve the needs of diverse populations. They will be capable of developing collaborative relationships with community agencies, organizations, public schools, and families in rural and urban centers.

\*Both the community counseling and school counseling tracks are CACREP accredited in all delivery models Adams State University uses (on-campus, off-campus, Online Plus). The 2009 CACREP standards require moving from the community counseling title to the clinical mental health counseling title.

## **Doctor of Philosophy in Counselor Education and Supervision**

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

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

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

- Prepared to teach select courses in counseling skill, theory, ethics, research, assessment, group, supervision, instructional theory, and career.
- Knowledgeable and skilled in the practice of advanced clinical counseling.
- Knowledgeable and competent in cultural diversity.

- Experienced in online course development, delivery, and counseling supervision.
- Prepared to teach courses in the CACREP core.
- Prepared to supervise counselors and counseling students who provide individual and group counseling.
- Experienced in developing and conducting research.
- Experienced in presenting research results at state, regional, and national conferences.
- Experienced in writing for professional publications.
- Prepared to evaluate counselor education programs and clinical counseling sites.
- Experienced as professional counseling leaders, mentors, practitioners, and consultants.
- Experienced as active change advocates.

## Admission Requirements

Admission to the Counselor Education doctoral program is competitive but does not guarantee graduation or state specific licensure. Specifically, applicants and admitted students are required to attend in person: (1) all scheduled selection interviews; (2) new student orientation; (3) and summer residencies. Failure to attend will result in program dismissal.

Applications must be e-mail verified as complete no later than December 1. The processing of applications can take several weeks depending on receipt of official transcripts and other required application materials. It is important that applicants submit all program application materials directly to: Department of Counselor Education Ph.D. Program Admissions, with all financial aid correspondence sent directly to that department.

### Application Timeline:

- December 1: Deadline for Application Materials to be verified
- December 15: Interview invitations distributed
- Early February: On-campus interviews (in person)
- Mid February: Admission decision notifications distributed
- Early June: On-campus new Ph.D. student orientation (in person)
- Late August: fall semester courses begin

Please compile required application materials and submit in a single file to expedite processing. Send ALL required application materials and official documentation directly to:

*Adams State University  
Department of Counselor Education  
Ph.D. Program Admissions  
Suite 3160  
208 Edgemont Blvd.  
Alamosa, CO. 81101  
Phone: (719) 587-8177  
Fax: (719) 587-8421  
Email: [cedocadmissions@adams.edu](mailto:cedocadmissions@adams.edu)*

Required Application Materials (to be submitted in one file):

- [Application for Admission – Candidate Information](#)
- [Application for Admission – Letter of Intent](#)
- GRE test score report from ETS with Analytic Writing Score
- \$45 application fee payable to ASU Counselor Education Ph.D.

Official Documentation (submitted directly from postsecondary institutions):

- Official transcripts from ALL graduate programs attended
- Official transcripts from ALL undergraduate degree programs attended
- NOTE: Official transcripts cannot be faxed!

Please distribute the Reference Request forms to three people who can attest to your abilities for successful doctoral study. These forms must be received by the Counselor Education Department Ph.D. Program Admissions Committee NO LATER than February 7. All three complete and signed reference request forms must be submitted to:

*Adams State University  
Counselor Education  
Ph.D. Program Admissions  
Phone: (719) 587-8177  
Fax: (719) 587-8421  
Email: [cedocadmissions@adams.edu](mailto:cedocadmissions@adams.edu)*

## Selection Criteria for Doctoral Study

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

1. A master's degree from a CACREP accredited program and be license eligible in their state of residence or a master's degree in counseling, one year of full-time post-master's degree counseling experience, graduate course work curriculum requirements in all of the CACREP common core areas. Doctoral students who have earned their master's degree from a CACREP accredited program will be assumed to have entry level knowledge in core and major course areas. Those not graduating from a CACREP accredited program will have their transcripts evaluated by a faculty advisor to determine CACREP core knowledge base deficiencies. A remediation plan of study will be developed and approved by the faculty as necessary.
2. GPA of 3.0 or higher from completed master's degree.
3. Submitted official transcripts for ALL undergraduate and graduate coursework.
4. Submitted Graduate Record Examination (GRE) scores (including an earned score in Verbal Reasoning, Quantitative Reasoning, and a 3.5 or higher on the Analytical Writing section).
5. Submitted three Reference Request forms.
6. Completed an on-campus interview with the ASU Counselor Education admission committee.

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

## Degree Requirements

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

COUN 705: Advanced Theories and Career .....	3
COUN 708: Quantitative Research Methods .....	3
COUN 710: Supervision and Consultation .....	3
COUN 712: Qualitative Research Methodolo .....	3
COUN 715: Advanced Multicultural Issues .....	3
COUN 717: Instrct Theory in Coun Ed .....	3
COUN 720: Advanced Group Counseling .....	3
COUN 722: Advanced Statistics .....	3
COUN 724: Seminar in Counselor Education .....	2
COUN 726: Advanced Practicum Coun .....	2
COUN 728: Sem Leadshp Advocacy & Ethics .....	3
COUN 730: Advanced Assessment .....	2
COUN 732: Seminar: Prgm Eval & Grant Wrt .....	2
COUN 734: Advanced Resarch & Publication .....	3
COUN 736: Dissertation Seminar .....	3
COUN 737: Doctoral Intern I-Supervision .....	1
COUN 738: Doctoral Internship II Teaching .....	1
COUN 739: Doctoral Internship III Supv .....	1
COUN 740: Doctoral Internship IV - Core .....	3
COUN 741: Doctoral Internship V Teaching .....	3
COUN 742: Doctoral Intern VI-Supervision .....	1
COUN 744: Dissertation I .....	3
COUN 746: Dissertation II .....	6
COUN 750: Dissertation III .....	6
COUN 752: Qualitative Data Analysis .....	2

## Master of Arts in Counseling

The Master of Arts in Counseling is offered in several settings.

- On-campus Program: on the Alamosa campus during the regular academic year. Students must enroll in the fall semester to be included in these programs.
- Off-campus Program: off campus at selected sites. Currently Adams State offers cohorts in Durango, Grand Junction, and Pueblo. The coursework and program requirements are the

same as the on-campus program. During most semesters in the program, students will take six credit hours. However, some semesters require taking nine hours. Courses are offered on weekends, evenings, and online.

- **Online Program:** This program is designed to meet the educational needs of those students who are not within driving distance of a counseling program or whose work schedule will not allow physical attendance. Some courses are offered at a specific time during the week through the use of a two-way interactive audio chat. Students can access the two-way interactive audio chat from home. Other online courses are text-based and asynchronous. The online program offers the same course content as the other accredited programs Adams State University offers, only in an online format. Students in the online program will spend one week on the Adams State campus during the two consecutive summers in the program. During these weeks, students will interact with the faculty on campus and further develop their counseling and interpersonal skills, form learning groups, become acquainted with the program and its expectations, and receive tutoring, advising, and intensive supervision.

COUN 550: Ethics & Professional Issues ..... 3  
 COUN 538: Crisis, Disaster, and Trauma ..... 3

Completion of requirements for one of the following emphases:

**Clinical Mental Health Counseling:**

COUN 542: Diagnosis and Psychopathology ..... 3  
 COUN 554: Evidenced Based Counseling ..... 3  
 COUN 555: Clinical Mental Health Cnslng ..... 3  
 COUN 585: Intern I Clinic Mental Health ..... 3  
 COUN 595: Intern II Clinical Mental Hlth ..... 3  
 Plus six hours of electives

**School Counseling Program:**

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

- [Counselor Education Program Objectives](#)
- [Admission Requirements](#)
- [Additional Program Requirements](#)

**Degree Requirements**

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

COUN 503: Intro to Research ..... 3  
 COUN 515: Multicultural Issues ..... 3  
 COUN 517: Life Span Development ..... 3  
 COUN 524: Coun Theors & Hlp Relationship ..... 3  
 COUN 527: Group Counseling ..... 3  
 COUN 528: Career Development ..... 3  
 COUN 530: Couple/Family/System Counslng ..... 3  
 COUN 536: Pre-Practicum ..... 3  
 COUN 537: Practicum ..... 3  
 COUN 546: Assessment in Counseling ..... 3  
 COUN 549: Foundations Addict Counseling ..... 3

## Earth Sciences

Chairperson: Benita Brink, Ph.D.  
Professor(s): Jared Beeton, Ph.D.; Robert Benson, Ph.D.  
Telephone: (719) 587-7426  
<http://www.adams.edu/academics/earthscience>  
E-mail: [babrink@adams.edu](mailto:babrink@adams.edu)

The Earth Sciences Program offers four bachelor's degree programs and provides opportunities for professional software training and for incorporating Geographic Information System (GIS) technology into coursework.

### Bachelor of Arts in Earth Sciences (Geology Emphasis)

#### Degree Requirements

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

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

Completion of the following required courses:

GEOL 111: Physical Geology .....	4
GEOL 112: Earth History .....	4
GEOL 123: Geology of the San Luis Valley .....	1
GEOL 321: Geomorphology w/Env Applic .....	4
GEOL 331: Macro and Optical Mineralogy .....	5
GEOL 334: Igneous/Metamorphic Petrology .....	5
GEOL 343: Sedimentology & Stratigraphy .....	4
GEOL 371: Structural Geology .....	4

GEOL 350: Geology Excursion .....	2
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A minimum of one of the following courses:

GEOG 330: Nature and Properties of Soils .....	4
GEOL 433: Environment Geochemical Model .....	3
GEOL 440: Hydrogeology .....	4

Completion of required support courses:

BIOL 209: General Biology I .....	5
CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
MATH 106: College Algebra GT-MA1 .....	3
PHYS 225: College Physics I GT-SC1 .....	5

A minor is highly recommended. Consult with an advisor.

### Bachelor of Arts in Earth Sciences (Physical Geography and Conservation Emphasis)

Recommended for students interested in professional careers with natural resources planning and management agencies (e.g., BLM, CDOW, USFS, USFWS) in addition to regional resources associations (e.g., water users' associations) requiring significant facility with principles of resources use and planning and Geographic Information Systems (GIS).

#### Degree Requirements

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

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

- All students must demonstrate [writing proficiency](#) by the end of the sophomore year.
- No D grade may apply to a major or minor field.

Completion of the following required courses:

GEOG 101: Intro/Physical Geog (GT-SC1)	4
GEOG 111: Physical Geology	4
GEOG 201: Intro to Cartography and GIS	3
GEOG 212: Nat Res Mgt on Public Lands	3
GEOG 300: World Geography	3
GEOG 440: Senior Capstone in Geography	2

Completion of required support courses:

BIOL 209: General Biology I	5
CHEM 111: Introductory Chemistry GT-SC1	4
CHEM 111L: Introductory Chemistry Lab	1
MATH 106: College Algebra GT-MA1	3
MATH 205: Intro to Statistical Methods	3

Plus a minimum of three courses from the following:

GEOG 307: Biogeography	3
GEOG 311: Climatology	4
GEOG 330: Nature and Properties of Soils	4
GEOG 321: Geomorphology w/Env Applic	4

Plus a minimum of two courses from the following:

GEOG 411: Mountain Geography	3
GEOG 420: Remote Sensing	4
GEOG 421: Glacial and Periglacial Geog	3
GEOG 462: Geog of World Regions	3

Plus a minimum of two courses from the following:

GEOG 112: Earth History	4
GEOG 343: Sedimentology & Stratigraphy	4
GEOG 440: Hydrogeology	4
BIOL 314: Conservation Biology	3
BIOL 468: Vegetation/Habitat Management	2

Plus a minimum of one course from the following:

ECON 256: Microeconomics Principles	3
BUS 316: Public and Nonprofit Mgmt	3
BUS 384: Natural Resources/Water Law	3
SOC 425: Environment and Society	3

## Bachelor of Arts in Earth Sciences (Science Education) with Secondary Teacher Licensure

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

### Degree Requirements

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

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

Completion of the secondary teacher licensure requirements.

### [Bachelor of Arts with Secondary Education Licensure](#)

Completion of the following required courses:

GEOG 111: Physical Geology	4
GEOG 112: Earth History	4
GEOG 101: Intro/Physical Geog (GT-SC1)	4
GEOG 321: Geomorphology w/Env Applic	4
GEOG 331: Macro and Optical Mineralogy	5
GEOG 334: Igneous/Metamorphic Petrology	5
GEOG 343: Sedimentology & Stratigraphy	4
GEOG 371: Structural Geology	4

Completion of required support courses:

BIOL 209: General Biology I	5
CHEM 131: General Chemistry GT-SC1	4
and CHEM 131L: General Chemistry Lab	1

ED 350: Methods/Teaching Science-Sec .....	3
GEOG 300: World Geography .....	3
PHYS 201: Intro to Astronomy GT-SC1 .....	4
PHYS 225: College Physics I GT-SC1 .....	5

Recommended Courses:

CSCI 150: Introduction to Programming .....	3
MATH 205: Intro to Statistical Methods .....	3
GEOG 201: Intro to Cartography and GIS .....	3
GEOL 123: Geology of the San Luis Valley .....	1

A minor in biology, chemistry, mathematics or physics is highly recommended for placement in a teaching position.

## Bachelor of Science in Earth Sciences (Geology Emphasis)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the following required courses:

GEOL 111: Physical Geology .....	4
GEOL 112: Earth History .....	4
GEOG 101: Intro/Physical Geog (GT-SC1) .....	4
GEOG 201: Intro to Cartography and GIS .....	3
GEOL 321: Geomorphology w/Env Applic .....	4
GEOL 331: Macro and Optical Mineralogy .....	5
GEOL 334: Igneous/Metamorphic Petrology .....	5
GEOL 343: Sedimentology & Stratigraphy .....	4
GEOL 371: Structural Geology .....	4
GEOL 495: Field Geology .....	6

A minimum of 2 of the following three courses:

GEOG 330: Nature and Properties of Soils .....	4
GEOL 433: Environment Geochemical Model .....	3
GEOL 440: Hydrogeology .....	4

Required Support Courses:

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 226: College Physics II .....	5

Recommended Courses

GEOL 123: Geology of the San Luis Valley .....	1
GEOL 350: Geology Excursion .....	2
MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 205: Intro to Statistical Methods .....	3

## Bachelor of Science in Earth Sciences (Physical Geography and Conservation Emphasis)

### Degree Requirements

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

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

Completion of the following required courses:

GEOG 101: Intro/Physical Geog (GT-SC1)	4
GEOL 111: Physical Geology	4
GEOG 201: Intro to Cartography and GIS	3
GEOG 212: Nat Res Mgt on Public Lands	3
GEOG 300: World Geography	3
GEOG 440: Senior Capstone in Geography	2

Plus a minimum of three courses from the following:

GEOG 307: Biogeography	3
GEOG 311: Climatology	4
GEOG 330: Nature and Properties of Soils	4
GEOL 321: Geomorphology w/Env Applic	4

Plus a minimum of two courses from the following:

GEOG 411: Mountain Geography	3
GEOG 420: Remote Sensing	4
GEOG 421: Glacial and Periglacial Geog	3
GEOG 462: Geog of World Regions	3

Plus a minimum of two courses from the following:

GEOL 112: Earth History	4
GEOL 343: Sedimentology & Stratigraphy	4
GEOL 433: Environment Geochemical Model	3
GEOL 440: Hydrogeology	4
BIOL 330: Ecology	4
BIOL 314: Conservation Biology	3
BIOL 468: Vegetation/Habitat Management	2

Plus a minimum of one course from the following:

ECON 256: Microeconomics Principles	3
BUS 316: Public and Nonprofit Mgmt	3
BUS 384: Natural Resources/Water Law	3
SOC 425: Environment and Society	3

Completion of required support courses:

BIOL 209: General Biology I	5
MATH 107: Trig/ Analytic Geometry GT-MA1	3
MATH 205: Intro to Statistical Methods	3
PHYS 225: College Physics I GT-SC1	5
CHEM 131: General Chemistry GT-SC1	4
and CHEM 131L: General Chemistry Lab	1

## **Associate of Science with Geographic Information Systems (GIS) Emphasis**

Completion of the general education requirements for an associate's degree.

Completion of the following required courses:

MATH 106: College Algebra GT-MA1	3
GEOL 111: Physical Geology	4
GEOL 112: Earth History	4
GEOL 123: Geology of the San Luis Valley	1
CSCI 150: Introduction to Programming	3
GEOG 201: Intro to Cartography and GIS	3
GEOG 279: Special Topics	1 TO 6

## **Minor in Environmental Science**

Completion of at least 18 credit hours selected in consultation with the department chair or completion of the following.

Completion of required courses (17 credits):

CHEM 111: Introductory Chemistry GT-SC1	4
CHEM 111L: Introductory Chemistry Lab	1
ENV 101: Intro to Environmntl Sci GT-SC1	4
GEOG 101: Intro/Physical Geog (GT-SC1)	4
GEOL 111: Physical Geology	4

Completion of at least 4 credits from the following:

CHEM 334: Environmental Chemistry	3
and CHEM 334L: Environmental Chemistry Lab	1
GEOG 212: Nat Res Mgt on Public Lands	3
GEOG 311: Climatology	4
GEOL 321: Geomorphology w/Env Applic	4
GEOL 433: Environment Geochemical Model	3

## **Minor in Geography**

Required courses (10 credit hours)

GEOG 101: Intro/Physical Geog (GT-SC1)	4
GEOG 201: Intro to Cartography and GIS	3
GEOG 300: World Geography	3

Electives (Students must complete a minimum of 8 credit hours from the following)

GEOG 212: Nat Res Mgt on Public Lands	3
GEOG 307: Biogeography	3
GEOG 311: Climatology	4
GEOL 321: Geomorphology w/Env Applic	4



GEOG 330: Nature and Properties of Soils .....	4
GEOG 420: Remote Sensing .....	4
GEOG 411: Mountain Geography .....	3
GEOG 421: Glacial and Periglacial Geog .....	3

## **Minor in Geology**

Completion of the following required courses:

GEOLOG 111: Physical Geology .....	4
GEOLOG 112: Earth History .....	4
GEOLOG 123: Geology of the San Luis Valley .....	1
GEOLOG 350: Geology Excursion .....	2
GEOLOG or GEOG 3XX or 4XX elective courses (7 credits)	

## English/Communication

Chairperson: David MacWilliams, Ph.D., M.F.A.

Professor(s): Aaron Abeyta, M.F.A.; Richard Baker, Ph.D.; David MacWilliams, Ph.D.

Associate Professor(s): Beth Bonnstetter, Ph.D.

Assistant Professor(s): Lynnea Chapman King, Ph.D.;

Sonya Brockman, Ph.D.; Taylor Dunne, M.F.A.

Instructors: Peter Anderson, M.A. (Adjunct); Kathleen Chavez, M.A.; Dave Wreford, M.A. (Adjunct); Michelle LeBlanc, M.F.A.

Telephone: (719) 587-7800

<http://www.adams.edu/academics/english/>

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

The Department of English, Theatre and

Communication prepares students to communicate in a new century.

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

### Bachelor of Arts in English (Creative Writing)

#### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the Core Literature Requirements (21 hours):

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

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

THTR 213: Oral Interpretation of Lit .....	3
or ENG 214: Oral Interpret and Performance .....	3
ENG 227: Intro to Creative Writing .....	3
ENG 326: CW Poetry Workshop I .....	3
ENG 327: Fiction Workshop I .....	3
ENG 328: Nonfiction Workshop I .....	3
ENG 497: Capstone Writing Workshop .....	3

Plus one of the following three advanced workshop courses:

ENG 426: Creative Writing: Poetry .....	3
ENG 427: Creative Writing: Fiction .....	3
ENG 428: Senior Writing Project .....	3

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

JOUR 275: Basic Media Writing .....	3
JOUR 340: Advanced Media Writing .....	3
ENG 363: Advanced Composition .....	3
ENG 379: Special Topics .....	1 TO 6

Writing the Ten-Minute Play summer writing workshops

## Bachelor of Arts in English (Liberal Arts)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

#### Required Core

ENG 203: Major Themes in Lit GT-AH2	3 TO 6
ENG 226: Basic Grammar & Hist:English	3
ENG 363: Advanced Composition	3
ENG 403: Shakespeare	3
ENG 394: American Literature I	3
ENG 480: Contemporary Literary Theory	3
ENG 495: Senior Seminar	3

Choose one of the following:

ENG 309: Eng Lit I:Beowulf-Trans Write	3
ENG 407: Chaucer	3
ENG 409: Renaissance Literature	3

Choose one of the following:

ENG 310: English Lit: Romance to Modern	3
ENG 350: 20-21st C Brit/Anglophone Lit	3
ENG 450: Romantic and Victorian Lit	3

Choose one of the following:

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

Choose one of the following:

ENG 311: World Literature I	3
ENG 358: Bible as Literature	3
ENG 359: MYTHOLOGY	3

Choose one of the following:

ENG 329: Women and Drama	3
or THTR 329: Women and Drama	3
ENG 312: World Literature II	3
ENG 365: Ethnic & Minority Literature	3
ENG 375: Chicano Literature	3
ENG 385: Women and Literature	3

Choose one of the following:

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

Students must complete one semester of a world language at the 200 level or higher (3 hours).

A portfolio of the student's work in the major must be submitted during the senior year. Guidelines for assembling the portfolio and deadlines for submission are available from the department head or the major advisor.

## Bachelor of Arts in English (Mass Communication)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

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

Completion of core English courses:

ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
ENG 226: Basic Grammar & Hist:English .....	3
ENG 227: Intro to Creative Writing .....	3
ENG (any 300- or 400-level English Lit. course)	

Completion of the core Communication requirements (18 hours):

COMM 165: Digital Filmmaking .....	3
or COMM 365: Digital Filmmaking .....	3
COMM 255: Fundamentals of Media Commnctn .....	3
COMM 275: Basic Media Writing .....	3
COMM 285: Digital Media Production .....	3
COMM 190: Radio Practicum .....	1 TO 3
COMM 195: Video Practicum .....	1 TO 3
COMM 197: Newspaper Practicum .....	1 TO 3
COMM 350: Media Theory & Criticism .....	3
COMM 420: Rhetoric of Popular Culture .....	3

Completion of five courses from one of the following two tracks (15 credits):

### Media Production Track

COMM 190: Radio Practicum .....	1 TO 3
and/or COMM 390: Advanced Radio Practicum ..	1 TO 3
COMM 195: Video Practicum .....	1 TO 3
and/or COMM 395: Advanced Video Practicum ..	1 TO 3
COMM 197: Newspaper Practicum .....	1 TO 3
and/or COMM 397: Advanced Newspaper Practicum .....	1 TO 3
COMM 340: Advanced Media Writing .....	3
COMM 360: Media Management .....	3
COMM 366: Music Video Production .....	3
COMM 367: Short Film/Movie Trailer Prod .....	3
COMM 368: Documentary Film Production .....	3
COMM 457: Media Law and Ethics .....	3
COMM 496: Communication Internship .....	1 TO 3
THTR 242: Voice for Performance .....	3
BUS 385: Sports Marketing .....	3

### Media Theory Track

COMM 327: Social Media .....	3
COMM 430: Diversity in Media .....	3
COMM 457: Media Law and Ethics .....	3
PHIL 201: Introduction to Philosophy .....	3
WS 201: Women's Studies .....	3
THTR 250: Cinema .....	3
SOC 318: Race,&quot; Class, and Gender&quot; .....	3
POLS 358: Public Opinion & Socialization .....	3
ENG 475: Problems in American Studies .....	3

A portfolio of the student's work in the major must be submitted during the senior year. Guidelines for assembling the portfolio and deadlines for submission are available from the department head or the major advisor.

A minor in an area of specialization is recommended.

## Bachelor of Arts in English (Secondary Teacher Licensure)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the secondary teacher licensure requirements.

[Bachelor of Arts with Secondary Education Licensure](#)

Completion of the following required courses:

ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
ENG 226: Basic Grammar & Hist:English .....	3
ENG 227: Intro to Creative Writing .....	3
ENG 309: Eng Lit I:Beowolf-Trans Write .....	3

ENG 310: English Lit: Romance to Modern .....	3
ENG 314: Adolescent Literature .....	3
ENG 316: Methods/English in Sec School .....	3
ENG 357: Introduction to Linguistics .....	3
ENG 359: MYTHOLOGY .....	3
or ENG 358: Bible as Literature .....	3
ENG 363: Advanced Composition .....	3
ENG 365: Ethnic & Minority Literature .....	3
or ENG 375: Chicano Literature .....	3
ENG 394: American Literature I .....	3
ENG 395: American Literature II .....	3
ENG 403: Shakespeare .....	3
THTR 213: Oral Interpretation of Lit .....	3

Students must complete one semester of a world language at the 200 level or higher (3 hours).

All English majors are encouraged to take one semester hour of practicum in each of the following: speech, theatre, and journalism.

A portfolio of the student's work in the major must be submitted during the senior year. Guidelines for assembling the portfolio and deadlines for submission are available from the department head or the major advisor.

### Minor in Creative Writing

All students are required to take:

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

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

ENG 326: CW Poetry Workshop I .....	3
ENG 327: Fiction Workshop I .....	3
ENG 328: Creative Non-Fiction .....	3
ENG 426: Creative Writing: Poetry .....	3
ENG 427: Creative Writing: Fiction .....	3
ENG 428: Senior Writing Project .....	3
ENG 497: Capstone Writing Workshop .....	3

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

ENG 458: Reading Poetry .....	3
ENG 460: Reading Short Prose .....	3

### Minor in English

Completion of the core requirement (3 hours)

COMM 255: Fndmntls of Media Comm GT-AH2 .....	3
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Completion of four electives (12 hours)

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

### Minor in Mass Communication

Completion of the core requirement (3 hours)

COMM 255: Fndmntls of Media Comm GT-AH2 .....	3
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Completion of four electives (12 hours)

COMM 165: Digital Filmmaking .....	3
or COMM 365: Digital Filmmaking .....	3
COMM 190: Radio Practicum .....	1 TO 3
COMM 195: Video Practicum .....	1 TO 3
COMM 197: Newspaper Practicum .....	1 TO 3
COMM 275: Basic Media Writing .....	3
COMM 285: Digital Media Production .....	3
COMM 327: Social Media .....	3
COMM 340: Advanced Media Writing .....	3
COMM 350: Media Theory & Criticism .....	3
COMM 360: Media Management .....	3

COMM 367: Short Film/Movie Trailer Prod .....	3
COMM 368: Documentary Film Production .....	3
COMM 379: Special Topics .....	1 TO 6
COMM 390: Advanced Radio Practicum .....	1 TO 3
COMM 395: Advanced Video Practicum .....	1 TO 3
COMM 397: Advanced Newspaper Practicum .....	1 TO 3
COMM 420: Rhetoric of Popular Culture .....	3
COMM 430: Diversity in Media .....	3
COMM 457: Media Law and Ethics .....	3
COMM 496: Communication Internship .....	1 TO 3
THTR 242: Voice for Performance .....	3
THTR 250: Cinema .....	3

## Literacy Emphasis for Elementary Education Licensure

### Degree Requirements

Completion of requirements for a bachelor's degree

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

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

### Required Courses for Emphasis

ENG 210: The Study of Literature .....	3
ENG 302: Creative Comm in Classroom .....	3
ENG 304: Lit Traditions for Teachers .....	3
ENG 306: English Grammar for Teachers .....	3
One English elective, 300 level or above	

## Higher Education Administration & Leadership (HEAL)

Chairperson: Anthony Romero, Ph.D., Program Director  
Telephone: (719) 587-7934  
<http://www.adams.edu/academics/business/heal/index.php>  
E-mail: [heal@adams.edu](mailto:heal@adams.edu)

The Higher Education Administration and Leadership (HEAL) program prepares higher education professionals to manage and lead in institutions of higher education, especially Hispanic Serving Institutions (HSIs), and to enhance the success of the students they serve. Adams State's Master of Arts and post-graduate Executive Leadership Institute offer cohort-based, experiential learning in an online environment. These flexible programs are designed for the working professional. The M.A. program is a two-year program and the Executive Leadership Institute (ELI) is a one-year, post-graduate program. Both have two residencies—an orientation and a Leadership Summit—which provide networking and mentoring opportunities for our students.

For more information about the HEAL program, please contact the HEAL Director at 719-587-7934, email [heal@adams.edu](mailto:heal@adams.edu) or visit our website at [heal.adams.edu](http://heal.adams.edu).

### Master of Arts in Higher Education Administration & Leadership

#### Admission Requirements

Students desiring to enroll in the HEAL degree program must meet the following admission requirements:

1. Complete the [M.A. admission application](#) and submit \$30 application fee
2. Hold a baccalaureate degree from an accredited institution of higher education.
3. Have an undergraduate GPA of 3.0, the last 30 credit hours of the degree. *Those with a GPA lower than 3.0 may be conditionally admitted*

*until after the first semester at which time evidence is provided as to the ability to do graduate level work.*

4. Write and submit a letter of intent
5. Write and submit a 2- to 3-page essay—"How do you see yourself improving educational opportunities for Latino/a students in the future?" The essay will be used to assess writing skills for eligibility into the program.
6. Currently hold a position within an institution of higher education.
7. Submit a complete resume including academic, volunteer and work experience.
8. Send unofficial transcripts (official after acceptance).
9. Submit two letters of reference with contact information for those references. *Letters of reference must outline the student's strengths and weaknesses, likely success in a graduate program; and what they will bring to the field of higher education. One letter should be from an immediate and/or current supervisor.*

Send admission packet as PDF files to the HEAL director via email at [heal@adams.edu](mailto:heal@adams.edu) or to HEAL director, School of Business, Adams State University, 208 Edgemont Blvd., Suite 3120, Alamosa, CO 81101.

#### Degree Requirements

##### Orientation

HEAL 500: Historical/Contemporary Issues .....	3
HEAL 510: Admin & Academic Collaboration .....	3
HEAL 520: Leadership in MSIs .....	3
HEAL 530: Finance/Budgeting in Higher Ed .....	3
HEAL 540: Leading for Success in MSIs .....	3
HEAL 550: Politics/Policy in Higher Ed .....	3
HEAL 560: Data Analysis in Higher Ed .....	3
HEAL 570: Legal Issues in Higher Ed .....	3
HEAL 580: Planning/IR/Assessment .....	3
HEAL 581: Planning/IR/Assess Practicum .....	2
HEAL 590: Entrepreneurship in Higher Ed .....	3
HEAL 591: Practicum in Entrepreneurship .....	2
HEAL 598: HEAL Portfolio .....	1

#### Executive Leadership Institute

Students currently holding a master's degree or higher and admitted into the master's program may elect to

pursue the ELI option. A certificate of completion is issued upon completion of the first year of the master's program (18 credit hours).

Certificate of Completion Requirements:

Orientation

HEAL 500: Historical/Contemporary Issues .....	3
HEAL 510: Admin & Academic Collaboration .....	3
HEAL 520: Leadership in MSIs .....	3
HEAL 530: Finance/Budgeting in Higher Ed .....	3
HEAL 540: Leading for Success in MSIs .....	3
HEAL 550: Politics/Policy in Higher Ed .....	3



## ***History, Anthropology, Philosophy, Political Science***

Chairperson: Ed Crowther, Ph.D.

Professor(s): George Backen, Ph.D.; Mari Centeno, Ph.D.; Ed Crowther, Ph.D.; Richard Goddard, Ph.D.; Richard Loosbrock, Ph.D.; Michael Mumper, Ph.D.

Assistant Professor(s): Nick Saenz, Ph.D.

Instructors: Tim Goodard

Telephone: (719) 587-7771

<http://adams.edu/academics/hgp/>

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

The Department of History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) offers a master's degree in humanities, a bachelor's degree in history/government with emphases in history, political science, anthropology, and secondary licensure (social studies), and minors in anthropology, political science, history, philosophy and religious studies. The department also oversees the pre-law and [languages programs](#).

### **Master of Arts in Humanities**

- [United States History Emphasis](#)
- [Cultural Resource Management Emphasis](#)
- English Emphasis
- [Public Administration Emphasis](#)

### **Admission Requirements**

Students desiring to enroll in the Master of Arts in Humanities degree program must hold a baccalaureate degree from an accredited institution, preferably in history for the American History emphasis or history or anthropology for the CRM emphasis. For the American History emphasis, an acceptable minor in history or the equivalent from an accredited institution will be considered, and an acceptable minor in history, anthropology, archaeology, or the equivalent will be considered for the CRM emphasis. Students without undergraduate majors in history, anthropology or related areas may be required to take prerequisite

courses. These may vary according to the student's specialization. All applicants must submit the following information to the HAPPSS Department, Adams State University, 208 Edgemont Blvd., Alamosa, CO 81101.

1. An [application for admission](#) to graduate study (online).
2. A \$30 non-refundable application fee (online with admission application).
3. An official transcript sent directly from the institution to the ASU Graduate School verifying receipt of the baccalaureate degree. Transcripts from ASU need not be requested; however, official transcripts confirming transfer courses are required. Unofficial transcripts or transcripts marked "issued to student" will not be accepted.
4. A letter of application
5. A recent resume
6. Two recent letters of recommendation from associates who can speak to the applicant's academic strengths and potential.
7. A cumulative GPA of 3.0 in undergraduate history courses (and anthropology courses for CRM emphasis) is required.
8. Additional information may be requested by the department chair before a decision can be determined.
9. The department chair will notify students of admission decisions.

### **Degree Requirements**

Minimum degree requirements are 30 hours as outlined below. However, at the time of admission, students may be assigned additional coursework to remedy background deficiencies. Coursework falling into this remedial category will not count toward the master's degree.

### **United States History Emphasis**

The History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) Department offers a Master of Arts in Humanities with an emphasis in United States history. The goals of the United States history program are to satisfy students' desires for additional directed study of United States history, to assist teachers in meeting highly qualified status under NCLB, and to provide access for students to earn an M.A. degree before going

on to doctoral studies. All professors in this program hold Ph.D.s and are committed to developing and encouraging students to achieve their academic potential. The degree is delivered using a mixture of face-to-face and Internet courses.

**Required Core**

HIST 500: Historiography/Historical Meth .....	3
HIST 591: Thesis .....	3

**Context and Content**

24 credit hours from the following menu selected in consultation with department chair.

HIST 501: State History .....	3
HIST 505: American West .....	3
HIST 516: Amer Rev and Federal Era .....	3
HIST 520: Topics in World History .....	3
HIST 526: U.S. in the Era of World Wars .....	3
HIST 530: Topics in Historical Geography .....	3
HIST 531: Early Modern Europe .....	3
HIST 560: Cultural Geography .....	3
HIST 563: Civil War and Reconstruction .....	3
HIST 566: Western Political Theory .....	3
HIST 567: Topics in Political Theory .....	3
HIST 568: U.S.-Latin American Relations .....	3
HIST 569: African American Civil Rights Movement (3 hours) .....	3
HIST 570: Readings in US History .....	3
HIST 579: Special Topics .....	1 TO 6
HIST 590: History Practicum .....	3

**Cultural Resource Management Emphasis**

The History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) Department offers a Master of Arts in Humanities with an emphasis in Cultural Resource Management. The goals of the Cultural Resources Management program are to satisfy students’ desires for directed study leading to a master's degree emphasis in Cultural Resource Management (prehistoric or historical focus), preparing them for advancement in that field or for going on to doctoral studies. All professors of CRM classes in this program have field experience in cultural resource management as archaeologists and/or administrators. They are committed to developing and encouraging students to achieve their academic potential. The degree is

delivered through semester based, interactive, Internet courses.

**Required Core**

CRM 500: Philosophy, Laws, Standards .....	3
CRM 510: Technology and Techniques .....	3
CRM 520: Report Writing .....	3
CRM 571: Archaeological Theory .....	3
CRM 580: Internship / CRM .....	3
CRM 591: Thesis .....	3

**Context and Content**

12 credit hours from the following menu selected in consultation with department chair. (Note: For CRM students whose primary interest is in prehistoric archaeology, the content of HIST 501 and HIST 505 will be adjusted to focus primarily on prehistoric issues.)

ANTH 539: Archaeology Field School .....	1 TO 6
CRM 560: Applied GIS/CRM Professionals .....	3
CRM 570: Selected Readings in CRM .....	3
CRM 579: Special Topics .....	1 TO 6
CRM 599: Individual Archaeological Exp .....	1 TO 3
HIST 501: State History .....	3
HIST 505: American West .....	3
HIST 516: Amer Rev and Federal Era .....	3
HIST 520: Topics in World History .....	3
HIST 526: U.S. in the Era of World Wars .....	3
HIST 530: Topics in Historical Geography .....	3
HIST 531: Early Modern Europe .....	3
HIST 560: Cultural Geography .....	3
HIST 563: Civil War and Reconstruction .....	3
HIST 566: Western Political Theory .....	3
HIST 567: Topics in Political Theory .....	3
HIST 568: U.S.-Latin American Relations .....	3
HIST 570: Readings in US History .....	3
HIST 579: Special Topics .....	1 TO 6

**Public Administration Emphasis**

The Department of History, Anthropology, Philosophy, Political Science, Spanish (HAPPSS) at Adams State University now offers a 36 hour master’s degree program in Public Administration. This is a fully online degree designed for professionals who are already working in the public and non-profit sectors or pre-professionals who want to start a career in public service. The program mixes skills based coursework with real practical experience working in public

agencies. It will prepare its graduates to work in positions in the federal, state, and local government as well as non-profit organizations.

The degree is delivered through semester based, interactive, online courses. The program, which can be completed in 2 years, is designed to for students who are also working full time. This MA degree can lead to career advancement for and public servants who want to move into management positions. It will also provide the skill development necessary for public managers to do their jobs more effectively.

**Program Goals**

- Provide a high quality, low cost, master’s degree focusing on public administration.
- Provide students with maximum flexibility through use of fully online delivery.
- Employ a curriculum that mixes skills based course work with real practical experiences.
- Prepare pre-professional students with the skills to enter the public service.
- Provide professionals already working in public administration with the skills to advance their careers.

**Required Core**

MPA 500: Intro to Public Administration .....	3
MPA 503: Research Mthds & Data Analysis .....	3
MPA 508: Public, Law, Policy & Reg Env .....	3
MPA 510: Practicum .....	1
MPA 512: Pub, Bdg, Finance, & Proj Mgmt .....	3
MPA 514: HR and Leadership Devl Pub Sec .....	3
MPA 516: Practicum II .....	1
MPA 520: Practicum III .....	3
MPA 524: Community & Econ Development .....	3
MPA 526: Planning in the Real World .....	3
MPA 528: Practicum IV .....	1
MPA 532: Emerg Mgmt: Infrastruct & Srv .....	3
MPA 533: Org & Comm Behavior .....	3
MPA 540: Practicum V Capstone .....	3

- Students may transfer a maximum of six hours of graduate courses from an accredited institution. All transfer hours must be approved by the department chair.

- Student must write an acceptable thesis, which must be developed according to the prescribed standards below.
  1. Form a master’s thesis committee consisting of at least two professionals. One must be a full-time member of the Adams State HAPPSS faculty. A committee member outside the department of HAPPSS must be approved by the department chair. For CRM students, the CRM employer may be a committee member.
  2. After completion of at least 24 M.A. credits, register for HIST 591 (American History students) or CRM 580 (CRM students)
  3. Obtain approval for the thesis from their advisor.
  4. Obtain approval for the thesis from the department chair.
  5. File in the library an original AND one copy of the thesis in a form prescribed by the Graduate Council. One copy of thesis is filed with department chair. Committee members also generally receive a copy of the completed thesis. The library copy should be unbound and delivered to the Graduate School.

All candidates for a master’s degree in humanities must meet graduation requirements as set forth in the Adams State University Academic Catalog.

**Bachelor of Arts in HAPS (History Emphasis)**

**Degree Requirements**

Completion of requirements for a bachelor's degree

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

- All students must demonstrate [writing proficiency](#) by the end of the sophomore year.
- No D grade may apply to a major or minor field.

Completion of six credits of World History:

HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3

Completion of the following core courses:

POLS 291: American Government GT-SS1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
HGP 471: Senior Seminar .....	3

Successful completion of Senior Assessment Procedures.

Completion of at least four courses from each of the following two fields.

Europe and Latin America--

HIST 328: Chicano History .....	3
HIST 330: The Middle Ages .....	3
HIST 331: Renaissance and Reformation .....	3
HIST 334: French Revolution & Napoleon .....	3
HIST 342: England .....	3
HIST 345: History of Germany .....	3
HIST 355: Latin America to 1830 .....	3
HIST 356: Latin America Since 1830 .....	3
HIST 357: Mexico .....	3
HIST 432: Nineteenth Century Europe .....	3
HIST 433: Modern Europe .....	3
HIST 434: Twentieth Century Europe .....	3
POLS 468: U.S.-Latin American Relations .....	3

United States--

HIST 301: Colorado History .....	3
HIST 305: The American West .....	3
HIST 314: Colonial America .....	3
HIST 316: Amer Revol & Federalist Era .....	3
HIST 318: Foundations of Amer Diplomacy .....	3
HIST 320: History of American Women .....	3
HIST 322: The Gilded Age/Progressive Era .....	3
HIST 350: History of Sport in America .....	3
HIST 363: Civil War & Reconstruction .....	3
HIST 426: US in the Era of World Wars .....	3
HIST 427: US History Since 1950 .....	3
HIST 436: American Thought .....	3

POLS 429: Constitnal Law/Criminal Justic .....	3
POLS 430: Constitutnl Law:Civil Liberties .....	3

Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years. Students desiring this option should contact an HAPSS advisor.

## Bachelor of Arts in HAPS (Anthropology Emphasis)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of six credits of World History:

HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3

Completion of the following core courses:

POLS 291: American Government GT-SS1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
HGP 471: Senior Seminar .....	3
or ANTH 471: Senior Seminar in Anthropology .....	3

Completion of 24 hours from the following fields as specified:

Students must take the required course specified in each of the four subfields below (12 hours) and four additional courses (12 hours) in one or more of the fields below. Students may not count a course listed in

more than one subfield as meeting the credit hour requirement for more than one subfield.

### Archaeology Field

Required course

ANTH 300: Archaeology .....3

Elective courses

ANTH 339: Field School in Archaeology ..... 6  
ANTH 349: Internship in Museums ..... 6  
ANTH 379: Special Topics ..... 1 TO 6  
GEOG 201: Intro to Cartography and GIS ..... 3  
GEOG 330: Nature and Properties of Soils ..... 4  
HIST 305: The American West ..... 3  
HIST 320: History of American Women ..... 3  
HIST 328: Chicano History ..... 3

### Cultural Anthropology Field

Required course

ANTH 201: Introduction to Anthropology .....3

Elective courses

ANTH 379: Special Topics ..... 1 TO 6  
ENG 359: Mythology ..... 3  
POLS 300: Introduction to World Politics ..... 3  
POLS 325: Political Mvmnts/Latin America ..... 3  
POLS 393: Women, Politics and Culture ..... 3  
HIST 328: Chicano History ..... 3  
HIST 355: Latin America to 1830 ..... 3  
HIST 356: Latin America Since 1830 ..... 3  
HIST 357: Mexico ..... 3  
PHIL 203: Philosophy of Religion ..... 3  
PSYC 315: Multicultural Issues ..... 3  
PSYC 360: Psychology of Gender ..... 3  
PSYC 379: Special Topics ..... 5 TO 6  
SOC 318: Race, &quot; Class, and Gender &quot;; ..... 3  
SOC 320: Marriages and Families ..... 3  
SOC 401: Social Psychology ..... 3  
SOC 419: Gender and Society ..... 3

### Linguistics Field

Required course

ANTH 310: Anthropological Linguistics .....3

Elective courses

ANTH 379: Special Topics ..... 1 TO 6  
ENG 226: Basic Grammar & Hist:English ..... 3  
ENG 425: English Syntax ..... 3

### Physical Anthropology Field

Required course

ANTH 205: Physical Anthropology ..... 3

Elective courses

ANTH 379: Special Topics ..... 1 TO 6  
BIOL 321: Genetics ..... 3  
BIOL 332: Evolution ..... 3

Successful completion of Senior Assessment Procedures.

Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years. Students desiring this option should contact an HAPSS advisor.

## Bachelor of Arts in HAPS (Political Science Emphasis)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of six credits of World History:

HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3

Completion of the following core courses:

POLS 291: American Government GT-SS1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
HGP 471: Senior Seminar .....	3

Completion of 24 hours with at least three credits from each of the following fields:

**Political Theory--**

POLS 436: American Thought .....	3
POLS 466: Ancient Political Theory .....	3
POLS 467: Modern Political Theory .....	3
POLS 379: Special Topics .....	1 TO 6
and/or POLS 479: Special Topics .....	1 TO 6

**American Politics--**

POLS 303: Current Political Issues .....	3
POLS 306: Elections and Voting Behavior .....	3
POLS 351: Congr/Presidency/Public Policy .....	3
POLS 429: Constitnal Law/Criminal Justic .....	3
POLS 430: Constitutnl Law:Civil Liberies .....	3
POLS 379: Special Topics .....	1 TO 6
and/or POLS 479: Special Topics .....	1 TO 6

**Comparative Politics--**

POLS 307: Intro to World Governments .....	3
POLS 308: Pacific Rim/21st Century World .....	3
POLS 325: Political Mvmnts/Latin America .....	3
POLS 393: Women, Politics and Culture .....	3
POLS 379: Special Topics .....	1 TO 6
and/or POLS 479: Special Topics .....	1 TO 6

**World Politics--**

POLS 300: Introduction to World Politics .....	3
POLS 301: Chang Dynamics/Int'l Relations .....	3
POLS 379: Special Topics .....	1 TO 6
and/or POLS 479: Special Topics .....	1 TO 6
POLS 380: Model United Nations .....	3
POLS 468: U.S.-Latin American Relations .....	3

Successful completion of Senior Assessment Procedures.

Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years. Students desiring this option should contact an HAPSS advisor.

**Bachelor of Arts in HAPS (Social Studies Emphasis - Secondary Teacher Licensure)**

**Degree Requirements**

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

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

Completion of the secondary teacher licensure requirements.

[Bachelor of Arts with Secondary Education Licensure](#)

Completion of six credits of World History:

HGP 110: Development of Civ GT-HI1 .....	3
HGP 111: Development of Civ GT-HI1 .....	3

Successful completion of all core courses (18 hours):

ECON 255: Principles of Economics I .....	3
GEOG 300: World Geography .....	3
POLS 291: American Government GT-SS1 .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
HGP 471: Senior Seminar .....	3

Successful completion of a social science course (3 hours):

ANTH 201: Introduction to Anthropology ..... 3  
 or SOC 318: Race, Class, and Gender ..... 3

Successful completion of a comparative government course (3 hours):

POLS 307: Intro to World Governments ..... 3  
 or POLS 308: Pacific Rim/21st Century World ..... 3  
 or POLS 325: Political Mvmnts/Latin America ..... 3

Successful completion of social studies depth and content courses. Select five courses (15 hours) from the following block:

ECON 256: Principles of Economics II ..... 3  
 PSYC 315: Multicultural Issues ..... 3  
 HIST 328: Chicano History ..... 3  
 HIST 357: Mexico ..... 3  
 HIST 316: Amer Revol & Federalist Era ..... 3  
 HIST 363: Civil War & Reconstruction ..... 3  
 HIST 427: US History Since 1950 ..... 3  
 HIST 433: Modern Europe ..... 3

Successful completion of the required field-based methods course (taken prior to student teaching):

HGP 316: Methods/Teaching Soc Studies ..... 3

All students seeking social studies licensure are encouraged to seek competency in a foreign language.

Successful completion of Senior Assessment Procedures.

Students may opt to complete the B.A. in HAPS at an accelerated pace to complete the degree in 3 years. Students desiring this option should contact an HAPSS advisor.

### **Associate of Arts in Social Studies**

Completion of the general education requirements for an associate's degree.

History - 9 hours (in addition to those taken for General Education Area II):

HGP 110: Development of Civ GT-HI1 ..... 3  
 HGP 111: Development of Civ GT-HI1 ..... 3  
 HIST 202: American Hist to 1865 GT-HI1 ..... 3

HIST 203: Amer Hist 1865 / Presnt GT-HI1 ..... 3

Government (3 hours):

GOVT 291: American Government ..... 3  
 ANTH 201: Introduction to Anthropology ..... 3  
 ANTH 205: Physical Anthropology ..... 3  
 ECON 255: Principles of Economics I ..... 3

Philosophy (6 hours):

PHIL 201: Introduction to Philosophy ..... 3  
 PHIL 202: Ethics ..... 3  
 PHIL 205: Logic ..... 3

Elective courses

Students may, in consultation with the department chair of HAPSS, select enrichment courses with an HGP/HIST/POLS/PHIL/ANTH prefix, another course at the 100- to 200-level approved by the department chair, or any course from the menu above not taken to fulfill content area requirements.

### **Minor in History**

HIST 202: American Hist to 1865 GT-HI1 ..... 3  
 HIST 203: Amer Hist 1865 / Presnt GT-HI1 ..... 3  
 15 credits of elective government courses (300-to 400-level).

### **Minor in Anthropology**

There are two possible tracks for the completion of the anthropology minor:

#### **Track One:**

ANTH 201: Introduction to Anthropology ..... 3  
 ANTH 205: Physical Anthropology ..... 3  
 ANTH 300: Archaeology ..... 3  
 ANTH 310: Anthropological Linguistics ..... 3  
 ANTH 339: Field School in Archaeology ..... 6

#### **Track Two:**

ANTH 201: Introduction to Anthropology ..... 3  
 ANTH 205: Physical Anthropology ..... 3  
 ANTH 300: Archaeology ..... 3  
 ANTH 310: Anthropological Linguistics ..... 3  
 ANTH 349: Internship in Museums ..... 6

### **Minor in Political Science**

POLS 291: American Government .....3  
 15 elective credits chosen in consultation with  
 department head

## Minor in Philosophy

Required Core

PHIL 201: Introduction to Philosophy .....3

Electives (15 hours from the following)

PHIL 202: Ethics .....3  
 PHIL 205: Logic .....3  
 PHIL 300: Interrelations of the Arts .....3  
 PHIL 304: Religions of the Western World .....3  
 PHIL 379: Special Topics ..... 1 TO 6  
 PHIL 436: American Thought .....3  
 PHIL 466: Ancient Political Theory .....3  
 PHIL 467: Modern Political Theory .....3  
 PHIL 479: Special Topics ..... 1 TO 6

## Minor in Religious Studies

Required Core

PHIL 203: Philosophy of Religion .....3

Electives (15 hours from the following)

ENG 358: Bible as Literature .....3  
 POLS 305: Religion/Politics in the US .....3  
 PHIL 303: Chinese Philosophy .....3  
 PHIL 304: Religions of the Western World .....3  
 PHIL 323: Atheism .....3  
 PHIL 324: Existentialism .....3  
 PHIL 436: American Thought .....3

## Social Studies Emphasis for Elementary Education Licensure

### Degree Requirements

Completion of requirements for a bachelor's degree

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

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

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

Required Courses for Emphasis

POLS 291: American Government GT-SS1 ..... 3

Other half of U.S. survey not taken for interdisciplinary major core (3 hours)

HIST 202: American Hist to 1865 GT-HI1 ..... 3  
 or HIST 203: Amer Hist 1865 / Presnt GT-HI1 ..... 3

Content Electives (9 hours)

Recommended courses are listed below. Students MUST take courses from at least two of the following fields: HIST, POLS, ECON, SOC or ANTH.

ECON 255: Macroeconomics Principles ..... 3  
 POLS 307: Intro to World Governments ..... 3  
 HIST 357: Mexico ..... 3  
 SOC 318: Race, &quot; Class, and Gender &quot; ..... 3  
 POLS 393: Women, Politics and Culture ..... 3

## Pre-Law Program

The Pre-Law Program at Adams State University is not a major, but a series of liberal arts courses recommended by the pre-law advisor based upon the individual needs of the students and the challenging requirements for gaining admission into law school. Students major in a variety of disciplines. Irrespective of discipline, students should possess certain core competencies. The 48-hour program below is the designed to assist students in demonstrating these competencies.

For more information about this program, including its track record of placing students in law schools across the country, contact [Edward R. Crowther, Ph.D.](#), Pre-



Law Advisor, Adams State University, Alamosa, CO  
81101. 719-587-7466.

#### Pre-Law Studies Core

GOVT 291: American Government .....	3
HIST 202: American Hist to 1865 GT-HI1 .....	3
HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
GOVT 429: Constnl Law and Crimnl Jusitce .....	3
GOVT 430: Constnl Law:Civil Liberties .....	3
GOVT 460: Pre-Law Studies Seminar .....	3
GOVT 466: Ancient Political Theory .....	3
GOVT 467: Modern Political Theory .....	3
ECON 255: Principles of Economics I .....	3
BUS 207: Principles of Accounting I .....	3
MATH 205: Intro to Statistical Methods .....	3
or PSYC 211: Intro to Stats Lecture/Lab .....	4
PHIL 205: Logic .....	3
or PHIL 202: Ethics .....	3

#### Pre-law elective classes (12 hours)

This component consists of 12 hours of upperdivision courses selected in conjunction with the pre-law advisor. It includes at least six hours of literature and/or composition, with the remaining six hours consisting of government/political science courses with extensive research and writing components or a supervised internship, when available, with the Office of the Public Defender of Colorado Rural Legal Services. The internship involves a writing requirement.

## ***Human Performance & Physical Education (HPPE)***

Chairperson: "Beez" Lea Ann Schell, Ph.D.

Professor(s): "Beez" Lea Ann Schell, Ph.D.; Tracey Robinson, Ph.D.

Assistant Professor(s): Lukus Klawitter, M.S.; Aaron Tuioiti-Mariner; Jeremy Yeats, A.B.D.; Brian Zuleger, Ph.D.

Instructors: Peggy Johnson, M.S.

Telephone: (719) 587-7271

<http://www.adams.edu/academics/hppe/>

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

Through undergraduate and graduate programs, the Department of Human Performance and Physical Education at Adams State University is dedicated to preparing knowledgeable practitioners and leaders in the areas of sport, exercise, fitness, physical education, coaching, sport psychology, and sport management. In addition, the department is focused on effectively preparing students for graduate schools and professional programs in the health and allied health fields. Our small class sizes, highly qualified faculty, and personalized advising sessions are demonstrative of our department's dedication to student learning.

The Bachelor of Arts degree in Physical Education (K-12) at Adams State prepares students to seek Colorado teacher licensure in Physical Education. Courses in the program emphasize content knowledge and pedagogical skills (the art of teaching) necessary to become an effective Physical Education teacher at the K-12 level. Many students in this program also choose to pursue a minor in Coaching. In addition to small class sizes and qualified instructors, the program provides several opportunities to work directly with students in local schools districts.

The Bachelor of Science degree in Exercise Science at Adams State prepares students for graduate programs in Physical Therapy, Chiropractic, Occupational Therapy, Physician Assistant, Exercise Science, and Athletic Training. The Exercise Science degree also prepares

students for careers in strength and conditioning, personal training, and health and fitness instruction. In addition to traditional classroom settings, students are given many opportunities to conduct a variety of fitness-related experiments in the Human Performance Laboratory.

Sport is a multi-billion dollar industry that reaches all across the globe. The Bachelor of Arts degree in Sport Management at Adams State prepares students to pursue graduate study or careers in professional, semi-professional, not-for-profit, and community sport programs. Specific careers include directing athletic programs, managing recreation and sport facilities, coordinating public relations and marketing for sport teams and organizations, and sports information. In addition to a broad range of courses, students engage in a hands-on practicum that provides for a "real world" experience in the sport management realm.

The Bachelor of Arts degree in Sport Psychology at Adams State combines [Human Performance & Physical Education](#) with [Psychology](#). The degree offers students the opportunity to learn more about psychological concepts and apply these to a sport context as well as develop an understanding of sport and exercise psychology. Our program increases student understanding of:

- sports participants, environments, and group processes
- performance enhancing techniques such as goal setting, imagery, and self-talk

Please refer to the psychology section of this catalog for information.

## **Master of Arts/Science in Human Performance & Physical Education**

- Master of Arts in HPPE: Sports Psychology Emphasis (online)
- Master of Arts in HPPE: Coaching Emphasis (online)
- Master of Arts in HPPE: Sport Management Emphasis (online)

- Master of Arts in HPPE: Sport Psychology Emphasis (online)
- Master of Science in HPPE: Exercise Science Emphasis (on campus)

### Admission Requirements

Students desiring to enroll in a graduate degree program in the Department of HPPE must hold a baccalaureate degree from an accredited institution, preferably in physical education or related area. An acceptable minor in physical education or the equivalent from an accredited institution will be considered. Students without undergraduate majors in physical education or related areas may be required to take prerequisite courses. These may vary according to the student's specialization. All applicants must submit the following information to the HPPE Department, Adams State University, 208 Edgemont Boulevard, Alamosa, CO 81101:

- An online application for admission to the Graduate School.
- A \$30 non-refundable application fee.
- A letter of intent.
- A current resume
- Two recent letters of recommendation from associates who can speak to the applicant's academic strengths and potential.
- An official transcript from **all** institutions attended sent directly from the institution to the Adams State Human Performance and Physical Education Department verifying receipt of the baccalaureate degree. Transcripts from Adams State need not be requested; however, official transcripts confirming transfer courses are required. Unofficial transcripts will not be accepted.

In addition...

- An undergraduate cumulative GPA of a 3.0 in the final 60 hours of the undergraduate degree program is required. The department chair of HPPE will determine whether an applicant with a GPA lower than 3.0 in the final 60 hours must take the verbal, quantitative, and analytical writing parts of the Graduate Record Exam (GRE). Scores on the GRE must be equal to or greater than 150 on the Verbal sub-test, equal

to or greater than 150 on the Quantitative sub-test, and 4 or greater on the Analytical Writing sub-test. The department chair and graduate coordinator will finalize admittance into the program based on the applicant's performance on the GRE. Scores will be computed for students who took the GRE prior to August 2011.

- If applicant's undergraduate degree is in something other than Human Performance and Physical Education, the student may be required to complete additional pre-requisites.
- Additional information may be requested by the department chair before a decision can be determined.
- For the coaching and sport management on-line graduate programs, the HPPE department may limit cohort size, so qualified candidates should apply well in advance of the published deadline or risk delaying their acceptance to the next cohort.
- The chair of the Department of HPPE will notify students of admission decisions.

### Degree Requirements

The minimum degree requirements for all three programs are 36 hours. Students may transfer a maximum of six hours of graduate courses from an accredited institution. All transfer hours must be approved by the department chair. Any transfer requests must be filed on appropriate forms available online at [gradschool.adams.edu](http://gradschool.adams.edu).

Students enrolled in the M.A. Coaching (online) or Sport Management (online) programs have two options available for the culminating experience. Option One requires completion of 30 graduate academic hours and writing a six-hour master's thesis. Option Two requires candidates to complete 33 graduate academic hours and a three-hour field-based research project. Once an option is chosen, the student must complete that particular option. Students in the M.S. Exercise Science program must complete a thesis (see Option 1).

Those in the Coaching (online) and Sport Management (online) programs must also complete two mandatory summer on-campus residencies. The first residency is in June of the first summer of enrollment (before starting

summer courses) and serves as an orientation to the program. The second residency is in June of the final summer of enrollment and serves as the culminating experience whereby students present their final projects (Thesis OR Field-Based Research, and Practicum).

### **Option 1**

Master's Thesis graduate students may, after consultation with their advisor, elect to write a thesis. The thesis must be in accordance with prescribed standards as described in the HPPE graduate handbook.

1. Students should register for HPPE 591 in the semester preceding HPPE 593 at the very end of the program. They must have successfully completed 18 hours of their graduate program including HPPE 503 and HPPE 543.
2. In the semester before enrolling in HPPE 591, students will form a Master's Thesis Committee consisting of three professionals. At least two members of the committee must be full-time tenure-track members of the Adams State University HPPE faculty. Any other committee member must be approved by the HPPE department chair and this individual must hold at least a master's degree. Students must obtain signatures from committee members and the department chair using the **Master's Degree Culminating Activity Contract for Thesis** (prior to enrolling in HPPE 591).
3. Students will then work with committee chair throughout the semester enrolled in HPPE 591 (until mid-October) by providing the chair with multiple hard copy drafts of written work and subsequently responding to the chair's comments and suggestions in a timely fashion. Upon each revision, the committee chair is given 7-10 days to complete his/her review and provide suggested edits.
4. By late October, the committee chair will determine if the written proposal is adequate enough to be reviewed by the other committee members. This decision must be made by the end of October. If the student's work is not adequate, then the student, chair,

and department chair determine if a grade of IP should be given for the course or if other arrangements may be made. If the student's work is deemed adequate, then he/she provides the whole committee with hard copies (not electronic) of the proposal. Committee members are given 7-10 days to review the proposal.

5. Students enrolled in the Exercise Science (campus) program then will propose the master's thesis to the committee and invited guests in an oral presentation in accordance with prescribed standards.

Students enrolled in the Coaching and Sport Management programs then will propose the master's thesis to the committee and invited guests via Wimba on Blackboard (students must have access to a webcam for the presentation).

The oral defense must be scheduled and completed no later than the second week of November.

6. Upon successful completion of the oral defense, students are given until the first week of December to complete and re-submit any revisions to the written proposal in order to receive a higher grade. Students with a passing grade are not required to complete suggested revisions by December but any changes and committee recommendations must be reflected in the final thesis.

### **Option 2 (Coaching and Sport Management M.A. programs)**

Graduate students may, after consultation with their advisor, elect to complete a Field-Based Research project.

The project must be in accordance with these prescribed standards:

1. In the semester prior to enrolling in the course (HPPE 596), the student must obtain approval for the proposed field-based research project from the advisor and department chair using the **Master's Degree Culminating Activity Contract for Field-Based Research**. In addition, the student forms a Field-Based Project committee consisting of a chair and one other

individual. The committee chair must be a full-time member of the HPPE faculty. The second individual may be a committee member from either inside or outside of the HPPE department (this person must be approved by the department chair and hold at least a master's degree). Any additional committee members must be approved by the committee chair. These committee members must sign the **Master's Degree Culminating Activity Contract for Field-Based Research**.

2. The student will then work his/her committee chair and prepare a two-page project proposal within the first two weeks of the semester in which the student is registered in HPPE 596. The written proposal must include:

- a. project title,
- b. rationale for the project,
- c. purpose of the project/what the student plans on completing,
- d. who will benefit from this project,
- e. what is the product /outcome,
- f. timeline that lists specific dates for completing the project on time.

The student must get approval for the project from all committee members before moving forward with the project.

3. Upon approval of the proposed project, the student will work with his/her committee chair throughout the semester by providing the chair with multiple hard copy drafts of written work and subsequently responding to the chair's comments and suggestions in a timely fashion. Upon each revision, the committee chair is given 7-10 days to complete his/her review and provide suggested edits.

4. By late March, the committee chair will determine if the project is adequate enough to be reviewed by the other committee members. This decision must be made by the end of March. If the student's work is not adequate, then the student, chair, and department chair determine if a grade of IP should be given for the course or if other arrangements may be made. If the student's work is deemed adequate, then he/she provides the whole committee with hard copies of the

project. Committee members are given 7-10 days to review the proposal.

5. Students will present the project to the committee and invited guests in an oral presentation in accordance with prescribed standards. This presentation will occur in the second of two on campus residencies in early June. Students are required to attend the on campus residency in order to present the project.

6. Upon successful completion of the oral defense in June, students are given until the end of June to complete and re-submit any revisions to the written project in order to receive a higher grade. All final project forms and final copies must be signed by the end of June.

7. One copy in spiral bound or 3-ring binder form of the written project is filed with department chair. Committee members also receive a copy of the completed thesis.

#### Required Core

HPPE 503: Introduction to Research .....	3
HPPE 543: Stat Methods/Hman Perfmnc/PE .....	3
HPPE 585: Practicum in HPPE .....	3

At least one emphasis from the following must be completed:

#### Master of Science in Exercise Science

HPPE 529: Physiology of Exercise .....	3
HPPE 530: Human Performance Lab .....	3
HPPE 539: Strength and Conditioning .....	3
HPPE 540: Biomechanics .....	3
HPPE 545: Exercise and Sport Nutrition .....	3
HPPE 500-level elective course approved by advisor	
HPPE 536: Sport and Exercise Psychology .....	3
or HPPE 538: Social Aspects of Sport & PE .....	3
HPPE 591: Thesis Proposal .....	3
HPPE 593: Master's Thesis .....	3

#### Sport Management - Master of Arts in HPPE (online only)

BUS 500: Leadership Skills for Managers .....	3
HPPE 505: Sports Mrktng&Public Relation .....	3
BUS 520: Managerial Accounting .....	3

HPPE 525: Facilities Management .....	3
HPPE 527: Sport Law .....	3
HPPE 538: Social Aspects of Sport & PE .....	3
HPPE 556: Strtgc Mngmnt&Ldership in Sprt .....	3
HPPE 596: Field Based Research .....	3

Completion of one of the following courses:

ECON 505: Managerial Economics .....	3
HPPE 536: Sport and Exercise Psychology .....	3
BUS 510: Global Business Perspectives .....	3
BUS 555: Leading for Results .....	3
BUS 580: Public / Nonprofit Management .....	3

Coaching - Master of Arts in HPPE (online only)

HPPE 504: Methods of Coaching .....	3
HPPE 509: Concepts in Exercise Science .....	3
HPPE 527: Sport Law .....	3
HPPE 536: Sport Psychology .....	3
HPPE 538: Social Aspects of Sport & PE .....	3
HPPE 539: Strength and Conditioning .....	3
HPPE 556: Strtgc Mngmnt&Ldership in Sprt .....	3
HPPE 596: Field Based Research .....	3

Additional HPPE or BUS 500-level elective approved by advisor

A minimum of 36 program hours are required for all graduate programs in HPPE.

Important note: Substitutions may be made with the approval of the department chair. Any substitutions must be filed on appropriate forms available online at [gradschool.adams.edu](http://gradschool.adams.edu).

## Master of Arts in Applied Sport Psychology (online)

### Admission Requirements

Students desiring to enroll in a graduate degree program in the Department of HPPE must hold a baccalaureate degree from an accredited institution, preferably in physical education or related area. An acceptable minor in physical education or the equivalent from an accredited institution will be considered. Students without undergraduate majors in physical education or related areas may be required to take prerequisite courses. These may vary according to the student's specialization. All applicants must submit the following information to the HPPE Department,

Adams State University, 208 Edgemont Boulevard,  
Alamosa, CO 81101:

- An online application for admission to the Graduate School.
- A \$30 non-refundable application fee.
- A letter of intent.
- A current resume
- Two recent letters of recommendation from associates who can speak to the applicant's academic strengths and potential.
- An official transcript from all institutions attended sent directly from the institution to the Adams State Human Performance and Physical Education Department verifying receipt of the baccalaureate degree. Transcripts from Adams State need not be requested; however, official transcripts confirming transfer courses are required. Unofficial transcripts will not be accepted.

In addition...

- An undergraduate cumulative GPA of a 3.0 in the final 60 hours of the undergraduate degree program is required. The department chair of HPPE will determine whether an applicant with a GPA lower than 3.0 in the final 60 hours must take the verbal, quantitative, and analytical writing parts of the Graduate Record Exam (GRE). Scores on the GRE must be equal to or greater than 150 on the Verbal sub-test, equal to or greater than 150 on the Quantitative sub-test, and 4 or greater on the Analytical Writing sub-test. The department chair and graduate coordinator will finalize admittance into the program based on the applicant's performance on the GRE. Scores will be computed for students who took the GRE prior to August 2011.
- If applicant's undergraduate degree is in something other than Human Performance and Physical Education, the student may be required to complete additional pre-requisites.
- Additional information may be requested by the department chair before a decision can be determined.
- For the coaching and sport management on-line graduate programs, the HPPE department may limit cohort size, so qualified candidates should apply well in advance of the published deadline

or risk delaying their acceptance to the next cohort.

- The chair of the Department of HPPE will notify students of admission decisions.

### **Degree Requirements**

The minimum degree requirement for the Applied Sport Psychology graduate program is 36 semester hours. Students may transfer a maximum of six hours of graduate courses from an accredited institution. All transfer hours must be approved by the department chair. Any transfer requests must be filed on appropriate forms available online at [gradschool.adams.edu](http://gradschool.adams.edu).

#### **Required Core**

HPPE 503: Introduction to Research .....	3
HPPE 543: Stat Methods/Hman Perfmnc/PE .....	3
HPPE 585: Practicum in HPPE .....	3

#### **Sport Psychology**

HPPE 504: Methods of Coaching .....	3
HPPE 509: Concepts in Exercise Science .....	3
HPPE 536: Sport Psychology .....	3
HPPE 538: Social Aspects of Sport & PE .....	3
HPPE 550: Applied Sport Psychology .....	3
HPPE 560: Mental Strgth and Conditiong .....	3
HPPE 581: Case Stds Applied Sprt Psych .....	3
HPPE 596: Capstone Project .....	3

A 500 level HPPE or COUN elective course approved by advisor HPPE or COUN (3 Credit Hour)

A minimum of 36 program hours are required for all graduate programs.

Important note: Substitutions may be made with the approval of the department chair. Any substitutions must be filed on appropriate forms available online at [gradschool.adams.edu](http://gradschool.adams.edu).

### **Master of Science in Applied Sport Psychology (on campus)**

#### **Admission Requirements**

Students desiring to enroll in a graduate degree program in the Department of HPPE must hold a baccalaureate degree from an accredited institution,

preferably in physical education or related area. An acceptable minor in physical education or the equivalent from an accredited institution will be considered. Students without undergraduate majors in physical education or related areas may be required to take prerequisite courses. These may vary according to the student's specialization. All applicants must submit the following information to the HPPE Department, Adams State University, 208 Edgemont Boulevard, Alamosa, CO 81101:

- An online application for admission to the Graduate School.
- A \$30 non-refundable application fee.
- A letter of intent.
- A current resume
- Two recent letters of recommendation from associates who can speak to the applicant's academic strengths and potential.
- An official transcript from **all** institutions attended sent directly from the institution to the Adams State Human Performance and Physical Education Department verifying receipt of the baccalaureate degree. Transcripts from Adams State need not be requested; however, official transcripts confirming transfer courses are required. Unofficial transcripts will not be accepted.

In addition...

- An undergraduate cumulative GPA of a 3.0 in the final 60 hours of the undergraduate degree program is required. The department chair of HPPE will determine whether an applicant with a GPA lower than 3.0 in the final 60 hours must take the verbal, quantitative, and analytical writing parts of the Graduate Record Exam (GRE). Scores on the GRE must be equal to or greater than 150 on the Verbal sub-test, equal to or greater than 150 on the Quantitative sub-test, and 4 or greater on the Analytical Writing sub-test. The department chair and graduate coordinator will finalize admittance into the program based on the applicant's performance on the GRE. Scores will be computed for students who took the GRE prior to August 2011.

- If applicant's undergraduate degree is in something other than Human Performance and Physical Education, the student may be required to complete additional pre-requisites.
- Additional information may be requested by the department chair before a decision can be determined.
- For the coaching and sport management on-line graduate programs, the HPPE department may limit cohort size, so qualified candidates should apply well in advance of the published deadline or risk delaying their acceptance to the next cohort.
- The chair of the Department of HPPE will notify students of admission decisions.

### Degree Requirements

The minimum degree requirement for the Applied Sport Psychology graduate program is 36 semester hours. Students may transfer a maximum of six hours of graduate courses from an accredited institution. All transfer hours must be approved by the department chair. Any transfer requests must be filed on appropriate forms available online at [gradschool.adams.edu](http://gradschool.adams.edu).

#### Required Core

HPPE 503: Introduction to Research .....	3
HPPE 543: Stat Methods/Hman Perfmnc/PE .....	3
HPPE 585: Practicum in HPPE .....	3

#### Sport Psychology

HPPE 504: Methods of Coaching .....	3
HPPE 536: Sport Psychology .....	3
HPPE 538: Social Aspects of Sport & PE .....	3
HPPE 550: Applied Sport Psychology .....	3
HPPE 560: Mental Strgth and Conditioning .....	3
HPPE 581: Case Stds Applied Sprt Psych .....	3
Exercise Science (Elective 3 credits)	
HPPE 529: Physiology of Exercise .....	3
HPPE 530: Human Performance Lab .....	3
HPPE 540: Biomechanics .....	3
HPPE 545: Exercise and Sport Nutrition .....	3
HPPE 591: Thesis Proposal .....	3
HPPE 593: Master's Thesis .....	3

A minimum of 36 program hours are required for all graduate programs.

Important note: Substitutions may be made with the approval of the department chair. Any substitutions must be filed on appropriate forms available online at [gradschool.adams.edu](http://gradschool.adams.edu).

### Bachelor of Arts in HPPE

- [Degree Requirements](#)
- [K-12 Physical Education Teaching Emphasis](#)
- [Sport Management Emphasis](#)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the following 26 hours of core courses:

HPPE 100: Foundations of HPPE .....	3
HPPE 120: Concepts in Wellness .....	3
HPPE 247: First Aid, CPR & AED Training .....	2
HPPE 329: Exercise Physiology .....	3
HPPE 329L: Exercise Physiology Lab .....	1
HPPE 340: Kinesiology .....	3
HPPE 341: Human Motor Development .....	3
HPPE 448: Adapted Physical Activity .....	3
HPPE 450: Sr Seminar in HPPE .....	2
BIOL 112: Human Anatomy .....	4

HPPE majors are required to complete at least a K-12 Physical Education Teaching or Sport Management Emphasis as follows:

### K-12 Physical Education Teaching Emphasis

HPPE 101: Profession/Intro to K-12 PE .....	2
HPPE 105: Beginning Swimming .....	1



HPPE 141: Teaching Team Activities .....	3
HPPE 240: Plannng & Instrcnl Desgn PhysEd .....	3
HPPE 251: Teaching Indiv/Dual Activities .....	3
HPPE 260: Statistics in HPPE .....	3
HPPE 310: Dance Fundamentals K-12 .....	2
HPPE 315: PE in Elementary School .....	3
HPPE 317: PE in Secondary School .....	3
HPPE 318: Field-Based Physical Ed Lab .....	1
HPPE 319: Field-Based PE Lab-Secondary .....	1
ED 200: Perspectives Teaching/Learning .....	3
ED 220: The Exceptional Learner .....	3
ED 416: Sec/K-12 Class Instruct/Mngmnt .....	2
ED 426: Sec/K-12 Ed Practice/Assmnt .....	2
ED 429: Content Area Literacy .....	2
ED 436L: Field Experience Lab-Sec/K-12 .....	3
ED 455: Student Teaching K-12 .....	1 TO 15

### Sport Management Emphasis

BUS 103: Introduction to Business .....	3
HPPE 210: Sport Comm & Tech .....	3
HPPE 260: Statistics in HPPE .....	3
HPPE 290: Sport Law .....	3
ECON 256: Principles of Economics II .....	3
HPPE 305: Sport Fac. & Event Mngmnt .....	3
BUS 385: Sports Marketing .....	3
HPPE 410: Economics of Sport .....	3
HPPE 420: Ethics in Sport Management .....	3
HPPE 433: Intl Perspectives of Spt Mgmnt .....	3
HPPE 485: Sport Management Practicum .....	3

### Electives (12 hours required)

BUS 304: Principles of Marketing .....	3
BUS 345: Advertising .....	3
BUS 361: Principles of Management .....	3 TO 4
BUS 362: Human Resource Management .....	3
BUS 365: Small Business Management .....	3
CSCI 100: Essentials of Info Technology .....	3
HIST 350: History of Sport in America .....	3
HPPE 190: Sports Psychology .....	3
HPPE 209: Care/Prevention Athletic Injur .....	2
HPPE 301: Sport & Fitness Nutrition .....	3
HPPE 314: Health Promotion .....	3
HPPE 327: Tech/Coach Strength Cond .....	3
HPPE 350: Methods of Coaching .....	3
HPPE 422: Exercise Eval & Fitness Manage .....	3
HPPE 436: Applied Sport Psychology .....	3

Or other courses as approved by advisor

## Bachelor of Arts in Sport Psychology

The Bachelor of Arts degree with an interdisciplinary major in sport psychology functions as a pre-professional program for graduate study in sport psychology, in sport and exercise physiology, and/or in counseling.

### Degree Requirements

Completion of requirements for a bachelor's degree

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

PSYC 205: Adolescent & Adult Development .....	3
PSYC 211: Intro to Stats Lecture/Lab .....	4
PSYC 245: Brain and Behavior .....	3
COUN 312: Introduction to Counseling .....	3
LS 225: Research Skills/Behavior Sci .....	1
PSYC 385: Cognitive Behavior Mod .....	3
PSYC 410: Social Psychology .....	3
or PSYC 465: Theories of Personality .....	3
HPPE 100: Foundations of HPPE .....	3
BIOL 205: Human Anatomy & Physiology .....	4
and BIOL 206: Human Anatomy & Physiology .....	4
or BIOL 112: Human Anatomy .....	4
HPPE 190: Sports Psychology .....	3
HPPE 209: Care/Prevention Athletic Injur .....	2
HPPE 329: Exercise Physiology .....	3
HPPE 340: Kinesiology .....	3
HPPE 341: Human Motor Development .....	3
HPPE 327: Tech/Coach Strength Cond .....	3
or HPPE 422: Exercise Eval & Fitness Manage .....	3
HPPE 350: Methods of Coaching .....	3
HPPE 436: Applied Sport Psychology .....	3
HPPE 486: Sport Psychology Practicum .....	3

Completion of six hours of the following electives:

PSYC 315: Multicultural Issues .....	3
PSYC 316: Drugs, Society & Human Behavior .....	3
PSYC 360: Psychology of Gender .....	3
PSYC 375: Human Sexuality .....	3
PSYC 380: Health Psychology .....	3
PSYC 410: Social Psychology .....	3
PSYC 458: Sensation and Perception .....	3

HPPE 436: Applied Sport Psychology .....	3
HPPE 430: Biomechanics .....	3
HPPE 484: Exercise Science Practicum .....	3

Electives (15 hours required)

CHEM 111: Introductory Chemistry GT-SC1 .....	4
and CHEM 111L: Introductory Chemistry Lab .....	1
CHEM 112L: Intro Organic/Biol Chem Lab .....	1
and CHEM 112L: Intro Organic/Biol Chem Lab .....	1
CHEM 131: General Chemistry GT-SC1 .....	4
and CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
and CHEM 132L: General Chemistry Lab .....	1
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 226: College Physics II .....	5

Or other science courses as approved by advisor

## Bachelor of Science in Exercise Science

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the following core courses (30 hours):

HPPE 100: Foundations of HPPE .....	3
HPPE 120: Concepts in Wellness .....	3
HPPE 247: First Aid, CPR & AED Training .....	2
HPPE 329: Exercise Physiology .....	3
HPPE 329L: Exercise Physiology Lab .....	1
HPPE 340: Kinesiology .....	3
HPPE 341: Human Motor Development .....	3
HPPE 448: Adapted Physical Activity .....	3
HPPE 450: Sr Seminar in HPPE .....	2
BIOL 205: Human Anatomy & Physiology .....	4
BIOL 206: Human Anatomy & Physiology .....	4

Exercise Science Major Courses (26 hours)

HPPE 190: Sports Psychology .....	3
HPPE 209: Care/Prevention Athletic Injur .....	2
HPPE 260: Statistics in HPPE .....	3
HPPE 301: Sport & Fitness Nutrition .....	3
HPPE 327: Tech/Coach Strength Cond .....	3
HPPE 422: Exercise Eval & Fitness Manage .....	3
HPPE 429: Advanced Exercise Physiology .....	3

### Physical Education Emphasis for Elementary Education Licensure

The Elementary Physical Education emphasis is designed for those students majoring in elementary education who also have an interest in physical education at the elementary level. An emphasis in Elementary Physical Education is available in consultation with your assigned advisors in Education and HPPE.

Emphasis Course Requirements:

HPPE 100: Foundations of HPPE .....	3
HPPE 310: Dance Fundamentals K-12 .....	2
HPPE 311: Methods of Teaching Health Ed .....	3
HPPE 315: PE in Elementary School .....	3
HPPE 341: Human Motor Development .....	3
HPPE 369: Motor Learning and Control .....	3

### Minor in Coaching

The coaching minor in HPPE is designed for those who are not majoring in HPPE but would like to coach at the amateur level, including elementary, junior high, secondary, or post-secondary levels.

A minor in coaching consists of the following:

HPPE 209: Care/Prevention Athletic Injur .....	2
HPPE 247: First Aid, CPR & AED Training .....	2
HPPE 301: Sport & Fitness Nutrition .....	3
HPPE 327: Tech/Coach Strength Cond .....	3
HPPE 350: Methods of Coaching .....	3
HPPE 436: Sport and Exercise Psychology .....	3
HPPE 480: Coaching Practicum .....	3

BUS 361: Principles of Management .....	3 TO 4
BUS 441: International Marketing .....	3
BUS 480: Global Business Strategies .....	3
GOVT 300: Introduction to World Politics .....	3
GOVT 301: Chang Dynamics/Int'l Relations .....	3
GOVT 307: Intro to World Governments .....	3

**Total credit hours (21)**

**Pre-Physical Therapy**

A physical therapy degree is an advanced degree program offered at selected universities. Some programs are at the master's degree level, but many are at the doctorate level. All require a bachelor's degree with a minimum GPA of 3.0 (average acceptance GPA of 3.5) and a GRE score higher than 1,500 (with a minimum of 500 in each section) for admission. In addition, most require a minimum number of hours working with a physical therapist. The bachelor's degree may be in any major, but a set of core courses in the sciences and other disciplines is required. Often, a list of recommended courses is suggested. Students must check with the schools to which they will apply for specific requirements, preferably early in their undergraduate career, because of the wide diversity of requirements. This will facilitate scheduling of the required courses along with major and general education requirements.

Core science and math courses required for many programs include:

BIOL 205: Human Anatomy & Physiology .....	4
BIOL 206: Human Anatomy & Physiology .....	4
BIOL 203: General Biology GT-SC1 .....	5
BIOL 204: General Biology GT-SC1 .....	5
CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
CHEM 132L: General Chemistry Lab .....	1
MATH 106: College Algebra GT-MA1 .....	3
MATH 107: Trig/ Analytic Geometry GT-MA1 .....	3
PHYS 225: College Physics I GT-SC1 .....	5
PHYS 226: College Physics II .....	5
PSYC 101: Introduction to Psyc GT-SS3 .....	3

Other courses that may be required or recommended:

BIOL 125: Nutrition .....	2
CHEM 321: Organic Chemistry .....	4

A coaching practicum is required for the minor. The practicum may be accomplished, with the approval of the department chair, by assisting with an elementary, junior or senior high school program, or with college sports program.

**Minor in HPPE**

A minor in HPPE is available in consultation with the department chair. It generally consists of 18 hours of core HPPE courses. Physical education activity classes cannot be used to fulfill minor requirements.

**Minor in Sports Studies**

A minor in sports studies consists of the following:

HPPE 100: Foundations of HPPE .....	3
HPPE 487: Sports Studies Practicum .....	3

Electives courses selected from the following (15 hours):

BUS 385: Sports Marketing .....	3
HIST 350: History of Sport in America .....	3
HPPE 210: Sport Comm & Tech .....	3
HPPE 290: Sport Law .....	3
HPPE 350: Methods of Coaching .....	3
HPPE 420: Ethics in Sport Management .....	3
HPPE 436: Sport and Exercise Psychology .....	3

Minor in International Sport Management

Required Core (12 hours)

HPPE 433: Intl Perspectives of Spt Mgmt .....	3
BUS 385: Sports Marketing .....	3
HPPE 420: Ethics in Sport Management .....	3
HPPE 410: Economics of Sport .....	3

Plus three from the following (9 hours):

BUS 265: Business Communications .....	3
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CHEM 321L: Organic Chemistry Lab .....	1
CHEM 401: Biochemistry .....	3
CHEM 401L: Biochemistry Lab .....	1
HPPE 329: Exercise Physiology .....	3
HPPE 340: Kinesiology .....	3
MATH 205: Intro to Statistical Methods .....	3
PSYC 204: Child Development .....	3
PSYC 205: Adolescent and Adult Development .....	3
PSYC 430: Abnormal Psychology .....	3
SOC 201: Soc Imagination GT-SS3 .....	3

**Note:**

Most schools require General Chemistry but some will allow CHEM 111 and 112— Introductory Chemistry.

MATH 106 and 107 are pre- or co-requisites for General Chemistry and College Physics. A sufficiently high score on the mathematics portion of the ACT or SAT may waive these particular math requirements, but you need to take one math course as part of your general education requirements.

## ***Interdisciplinary Studies***

**Total for BA Degree**

**120 credit  
hours**

Chairperson: Walter Roybal  
Telephone: (719) 587-8281  
<http://www.adams.edu/academics/ba-is.php>  
E-mail: [wsroybal@adams.edu](mailto:wsroybal@adams.edu)

For degree requirements, please contact [Walter Roybal](#)  
at (719) 587-8281.

Customize your degree with an Interdisciplinary Studies Major. The BA in Interdisciplinary Studies (for non-education/licensure majors) is designed to allow students whose academic and professional interests do not fit an existing major to devise, in consultation with an advisor, a major that encompasses two or more disciplines.

### **Bachelor of Arts in Interdisciplinary Studies**

The B.A. in Interdisciplinary Studies is designed to allow students whose academic interests do not fit an existing major to devise, in consultation with an advisor and the vice president of Extended Studies-Academics, a major that encompasses two or more disciplines. The student must demonstrate the proposed program has sufficient internal coherence to warrant the term "major." Upon successful completion of the degree program, students will have a well built foundation not only in general education, but also in at least two areas of concentrated study.

### **Credit Requirements for Interdisciplinary Studies Degree**

[General Education](#) 38 credit  
hours

Interdisciplinary Studies Major:

(20 credits each from two academic disciplines) 40 credit  
hours

Elective Courses 42 credit  
hours

## ***Latino Studies***

Chairperson: Ed Crowther, Ph.D.

Professor(s): Aaron Abeyta, M.F.A.

Associate Professor(s): Mari Centeno, Ph.D.; Eva Rayas Solis, Ph.D.

Assistant Professor(s): Benjamin Waddell, Ph.D.

Telephone: (719) 587-7771

<http://adams.edu/academics/hgp/latino-studies.php>

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

ENG 379, GOVT 379, SOC 379, HIST 379 "Special Topics" courses relevant to Latino Studies may also count as electives for the Latino Studies Minor. To determine a course's eligibility for inclusion in the minor, the student's advisor or HGP chair should be consulted.

The Latino Studies minor will provide students from departments across campus the opportunity to expand their understanding of economic, social and cultural relationships in an ever more globalized world. This cross-disciplinary minor includes courses from the fields of language, history, literature, sociology and political science. The minor is taught by faculty whose courses touch upon Latino culture, history, politics, language, and society.

### **Minor in Latino Studies**

Completion of the following required course (4 credits):

SPAN 103: Elementary Spanish I ..... 4  
or SPAN 104: Elementary Spanish II ..... 4  
Elective Courses (15 hours)

Students must take one course in each of the following disciplines: ENG, GOVT, HIST, and SOC from the offerings listed below. The remaining three credit hours may be taken from any of the courses below or any 300 or 400 level Spanish course.

ENG 365: Ethnic & Minority Literature ..... 3  
ENG 379: Special Topics ..... 1 TO 6  
GOVT 325: Political Mvmnts/Latin America ..... 3  
GOVT 468: U S/Latin American Relations ..... 3  
HIST 328: Chicano History ..... 3  
HIST 355: Latin America to 1830 ..... 3  
HIST 356: Latin America Since 1830 ..... 3  
HIST 357: Mexico ..... 3  
SOC 318: Race, &quot; Class, and Gender &quot; ..... 3  
SOC 365: Race, Culture, and Ethnicity ..... 3

## Mathematics/Physics

Chairperson: Christina Miller, Ph.D.

Professor(s): Stephen Aldrich, Ph.D.; Robert Astalos, Ph.D.; Matt Ikle, Ph.D.; Matt Nehring, Ph.D.; Tony D. Weathers, Ph.D.

Assistant Professor(s): Meredith Anderson, Ph.D.; Abraham Metes, Ph.D. (visiting)

Instructors: Stuart Church, Diana Jones, Kathy McDermott, Tim Mobley, Robert Yund, Stephanie Yund

Telephone: (719) 587-7506

<http://www.adams.edu/academics/math/index.php>

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

The Mathematics Program offers four degree programs in mathematics and computer science: a Bachelor of Arts degree in mathematical sciences, a Bachelor of Arts degree in mathematics with secondary teacher licensure, and Bachelor of Science degrees in mathematical sciences with emphases in either computer science or physics. Students following the various degree programs may prepare themselves for teaching, positions in private industry or government, or for graduate study in mathematics, computer science, or an allied field.

### Bachelor of Arts in Mathematics

#### Degree Requirements

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

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

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

Completion of the following required courses:

MATH 120: Calculus I GT-MA1 .....	5
MATH 121: Calculus II GT-MA1 .....	5
MATH 220: Calculus III .....	4
MATH 250: Intro to Mathematical Thought .....	3
MATH 321: Linear Algebra .....	3
MATH 322: Algebraic Structures I .....	3
MATH 420: Advanced Analysis I .....	3
MATH 471: Senior Capstone I .....	1
MATH 472: Senior Capstone II .....	1
CSCI 205: Computer Science I .....	5
or CSCI 202: Progrmg/Science/Math/Enginrg .....	3

A minimum of 9 hours from the following:

MATH 323: Algebraic Structures II .....	3
MATH 327: Differential Equations .....	3
MATH 330: Numerical Analysis .....	3
MATH 331: Modern Geometry .....	3
MATH 335: History of Mathematics .....	3
MATH 340: Probability & Statistics .....	3
MATH 375: Simulation .....	3
MATH 421: Advanced Analysis II .....	3
MATH 430: Complex Analysis .....	3

Completion of required support courses:

ENG 226: Basic Grammar & Hist:English .....	3
ENG 357: Introduction to Linguistics .....	3
or ENG 363: Advanced Composition .....	3
OR	
One year of foreign language	

Plus a minimum of two science courses (at least nine credit hours) selected from the following list (which fulfills the general education science requirement):

BIOL 209: General Biology I GT-SC1 .....	5
CHEM 131: General Chemistry GT-SC1 .....	4
and CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
and CHEM 132L: General Chemistry Lab .....	1
GEOL 111: Physical Geology .....	4
or GEOG 101: Intro/Physical Geog (GT-SC1) .....	4
PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1

## Bachelor of Arts in Mathematics with Secondary Teacher Licensure (Track 1)

Students interested in pursuing a career teaching high school mathematics are strongly encouraged to consider Secondary Licensure Track 1.

### Degree Requirements

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

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

Completion of the secondary teacher licensure requirements.

### [Bachelor of Arts with Secondary Education Licensure](#)

ED 340: Methods/Teaching Math-Sec ..... 3

Students are strongly encouraged to select the following three courses as their upper-division mathematics electives:

MATH 331: Modern Geometry ..... 3  
 MATH 335: History of Mathematics ..... 3  
 MATH 340: Probability & Statistics ..... 3

## Bachelor of Arts in Mathematics with Secondary Teacher Licensure (Track 2)

This degree track is designed to meet the needs of individuals interested in teaching mathematics at the middle-school level and to increase the number of

middle-school teachers with a strong mathematics background.

Note: Colorado does not grant licensure for the middle-school grades separate from high school, and furthermore defines the term "highly qualified" (used in the No Child Left Behind Act) as 24 credits in a content area. This degree track exceeds the 24 credit "highly qualified" definition; it follows the suggestions set forth by the Mathematical Association of America (MAA) for prospective middle-school teachers (grades 6-8) and provides appropriate background for someone to meet the Colorado Model Content Standards for mathematics at the middle-school level. However, the coursework in this degree track does NOT provide sufficient background in several areas as described in the guidelines set forth by the MAA for preparing high school teachers (grades 9-12), nor does it meet the requirements for secondary licensure (mathematics) in all states (i.e., a traditional B.A. degree in mathematics). In summary, this degree track is designed to meet the needs of middle school teachers, provides adequate preparation for a high school teacher in a rural environment, and exceeds the 24 credit hours of content benchmark set by the state for secondary licensure in a content area.

### Degree Requirements

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

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



Completion of the secondary teacher licensure requirements.

[Bachelor of Arts with Secondary Education Licensure](#)

ED 340: Methods/Teaching Math-Sec .....3

Completion of the following required courses:

MATH 120: Calculus I GT-MA1 .....5  
 MATH 121: Calculus II GT-MA1 .....5  
 MATH 150: Librl Arts Mathematics GT-MA1 .....3  
 MATH 205: Intro to Statistical Methods .....3  
 MATH 250: Intro to Mathematical Thought .....3  
 MATH 331: Modern Geometry .....3  
 MATH 335: History of Mathematics .....3  
 MATH 471: Senior Capstone I .....1  
 MATH 472: Senior Capstone II .....1

Plus a minimum of six credits selected from the following list, of which not more than three credits can be a computer programming course:

CSCI 101: Introduction to Programming .....3  
 CSCI 205: Computer Science I .....5  
 MATH 140: Geometry Using Technology .....3  
 CSCI 202: Progrmg/Science/Math/Enginrg .....3  
 MATH 220: Calculus III .....4  
 MATH 321: Linear Algebra .....3  
 MATH 322: Algebraic Structures I .....3  
 MATH 327: Differential Equations .....3  
 MATH 330: Numerical Analysis .....3  
 MATH 340: Probability & Statistics .....3  
 MATH 420: Advanced Analysis I .....3  
 MATH 430: Complex Analysis .....3

Completion of required support courses:

ENG 226: Basic Grammar & Hist:English .....3  
 ENG 357: Introduction to Linguistics .....3  
 or ENG 363: Advanced Composition .....3  
 OR  
 One year of foreign language

**Bachelor of Arts in Pure Mathematics**

**Degree Requirements**

Completion of requirements for a bachelor's degree

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

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

Completion of the following required courses or their equivalents (44 hours)

MATH 120: Calculus I GT-MA1 ..... 5  
 MATH 121: Calculus II GT-MA1 ..... 5  
 CSCI 205: Computer Science I ..... 5  
 MATH 220: Calculus III ..... 4  
 MATH 250: Intro to Mathematical Thought ..... 3  
 MATH 321: Linear Algebra ..... 3  
 MATH 322: Algebraic Structures I ..... 3  
 MATH 323: Algebraic Structures II ..... 3  
 MATH 420: Advanced Analysis I ..... 3  
 MATH 421: Advanced Analysis II ..... 3  
 MATH 430: Complex Analysis ..... 3  
 MATH 440: Topology ..... 3  
 MATH 471: Senior Capstone I ..... 1  
 MATH 472: Senior Capstone II ..... 1

Plus a minimum of two science courses selected from the following list, which fulfills the general education science requirement (9 hours)

BIOL 209: General Biology I GT-SC1 ..... 5  
 CHEM 131: General Chemistry GT-SC1 ..... 4  
 and CHEM 131L: General Chemistry Lab ..... 1  
 CHEM 132: General Chemistry GT-SC1 ..... 4  
 and CHEM 132L: General Chemistry Lab ..... 1  
 GEOL 111: Physical Geology - GT-SC1 ..... 4  
 or GEOG 101: Intro/Physical Geog (GT-SC1) ..... 4  
 PHYS 230: General Physics I GT-SC1 ..... 4  
 and PHYS 231: General Physics I Lab GT-SC1 ..... 1  
 PHYS 232: Gen Physics II (Cal) GT-SC1 ..... 4  
 and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 ..... 1

Additional Support Courses (6 hours, or 9 with foreign language)

ENG 226: Basic English Grammar ..... 3

AND any of the following options:

ENG 357: Introduction to Linguistics .....	3
ENG 363: Advanced Composition .....	3
1 year of foreign language	

Total hours: 87 (or 90 if foreign language is chosen)

## Bachelor of Science in Applied Mathematics

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the following required courses or their equivalents:

MATH 120: Calculus I GT-MA1 .....	5
MATH 121: Calculus II GT-MA1 .....	5
CSCI 205: Computer Science I .....	5
MATH 220: Calculus III .....	4
MATH 250: Intro to Mathematical Thought .....	3
MATH 321: Linear Algebra .....	3
MATH 327: Differential Equations .....	3
MATH 330: Numerical Analysis .....	3
MATH 340: Probability & Statistics .....	3
MATH 471: Senior Capstone I .....	1
MATH 472: Senior Capstone II .....	1

Plus one of the two following options:

MATH 375: Simulation .....	3
and MATH 479: Special Topics .....	1 TO 5
OR	
CSCI 325: Algorithm Design & Analysis .....	3
and CSCI 479: Special Topics .....	1 TO 5

Plus a minimum of two science courses selected from the following list (which fulfills the general education science requirement):

BIOL 209: General Biology I GT-SC1 .....	5
CHEM 131: General Chemistry GT-SC1 .....	4
and CHEM 131L: General Chemistry Lab .....	1
CHEM 132: General Chemistry GT-SC1 .....	4
and CHEM 132L: General Chemistry Lab .....	1
GEOL 111: Physical Geology - GT-SC1 .....	4
or GEOG 101: Intro/Physical Geog (GT-SC1) .....	4
PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1

Additional Support Courses:

ENG 226: Basic English Grammar .....	3
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AND any of the following options:

ENG 357: Introduction to Linguistics .....	3
ENG 363: Advanced Composition .....	3
1 year of foreign language	

Total hours of MATH and CSCI: 40

Total hours: 83 (or 86 if foreign language is chosen)

## Bachelor of Science in Mathematical Sciences

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the following required courses of their equivalents:

MATH 120: Single Var Calculus I GT-MA1 .....	5
MATH 121: Single Var Calculus II GT-MA1 .....	5
CSCI 205: Computer Science I .....	5
CSCI 206: Computer Science II .....	3
PHYS 230: General Physics I GT-SC1 .....	4
and PHYS 231: General Physics I Lab GT-SC1 .....	1
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4
and PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1
MATH 321: Linear Algebra .....	3
MATH 471: Senior Assessment .....	1
MATH 472: Senior Assessment .....	1

Plus a minimum of 32 credit hours from courses selected from the following list:

CHEM 431: Phys Chem Lec/Thermodynamics .....	3
CHEM 432: Phys Chem Lec/Quantum Mechanic .....	3
CHEM 433: Physical Chemistry Laboratory .....	2
CHEM 434: Physical Chemistry Laboratory .....	2
CSCI 307: Prgmrng Languages & Platforms .....	3
CSCI 316: Computer Architecture .....	3
CSCI 317: Computer Operating Systems .....	4
CSCI 325: Algorithm Design & Analysis .....	3
CSCI 328: Artfcl Intelgnce/Machine Lrng .....	3
CSCI 343: Database Systems .....	3
CSCI 347: Softwre Dvlpmnt/Prof Practc I .....	2
CSCI 348: Softwre Dvlpmnt/Prof Practc II .....	2
CSCI 418: Multiprocessor Computing .....	3
CSCI 435: Advanced Networking .....	3
MATH 322: Algebraic Structures I .....	3
MATH 323: Algebraic Structures II .....	3
MATH 327: Differential Equations .....	3
MATH 330: Numerical Analysis .....	3
MATH 331: Modern Geometry .....	3
MATH 335: History of Mathematics .....	3
MATH 340: Probability & Statistics .....	3
MATH 375: Simulation .....	3
MATH 420: Advanced Analysis I .....	3
MATH 421: Advanced Analysis II .....	3
MATH 430: Complex Analysis .....	3
PHYS 300: Electronics & Microcontrollers .....	4
PHYS 302: Mechanics .....	4
PHYS 304: Electricity and Magnetism .....	4
PHYS 306: Modern Physics .....	4

Additional Support Courses:

ENG 226: Basic English Grammar .....	3
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AND any of the following options:

1 year of foreign language

OR

ENG 357: Introduction to Linguistics .....	3
or ENG 363: Advanced Composition .....	3

## Bachelor of Science in Mathematical Sciences (Computer Science Emphasis)

### Degree Requirements

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

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

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

Completion of the following required courses:

MATH 120: Calculus I GT-MA1 .....	5
MATH 121: Calculus II GT-MA1 .....	5
MATH 250: Intro to Mathematical Thought .....	3
MATH 321: Linear Algebra .....	3
IT 240: Information Assurance/Security .....	3
IT 152: Practical Unix .....	2
CSCI 104: Fundamentals of Programming .....	3
CSCI 205: Computer Science I .....	5
CSCI 206: Computer Science II .....	3
CSCI 224: Discrete Concepts .....	3
CSCI 235: Foundations of Networks .....	3
CSCI 307: Prgmrng Languages & Platforms .....	3
CSCI 317: Computer System & Architecture .....	4
CSCI 325: Algorithm Design & Analysis .....	3
CSCI 328: Artfcl Intelgnce/Machine Lrng .....	3
CSCI 341: Web Design .....	3
CSCI 343: Database Systems .....	3
CSCI 347: Softwre Dvlpmnt/Prof Practc I .....	2

CSCI 348: Software Development/Prof Practic II	2
CSCI 379: Special Topics	1 TO 5
CSCI 385: Users Services Practicum	3
CSCI 418: Multiprocessor Computing	3
CSCI 435: Advanced Networking	3
CSCI 471: Senior Capstone I	1
CSCI 472: Senior Capstone II	1

**Completion of required support courses:**

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

**Bachelor of Science in Mathematical Sciences (Information Technology Emphasis)**

**Degree Requirements**

Completion of requirements for a bachelor's degree

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

Completion of the following required courses:

MATH 106: College Algebra GT-MA1	3
MATH 205: Intro to Statistical Methods	3
CSCI 104: Fundamentals of Programming	3
CSCI 205: Computer Science I	5
CSCI 224: Discrete Concepts	3
CSCI 235: Foundations of Networks	3
CSCI 307: Prgmrng Languages & Platforms	3
CSCI 341: Web Design	3
CSCI 343: Database Systems	3
CSCI 385: Users Services Practicum	3
CSCI 435: Advanced Networking	3
CSCI 471: Senior Capstone I	1

CSCI 472: Senior Capstone II	1
IT 240: Information Assurance/Security	3
IT 151: Productvty Software Appln Assmnt	1
IT 152: Practical Unix	2
IT 253: Platform Tech/System Admin	3
IT 345: System Integration/Architectur	3
IT 355: System Admin/Maintenance	3
IT 386: Information Technology Practicum (3 hours)	
IT 446: Project Mgmt/Sys Analsis/Desgn	3
IT 379: Current Topics in Info Technology (3 hours)	
BUS 265: Business Communications	3

Two of the following courses (6 credits):

BUS 207: Principles of Accounting I	3
ECON 255: Macroeconomics Principles	3
ECON 256: Microeconomics Principles	3
BUS 361: Principles of Management	3 TO 4
BUS 401: Organizational Behavior	3

Additional Support Courses:

ENG 226: Basic English Grammar	3
ENG 357: Introduction to Linguistics	3
or ENG 363: Advanced Composition	3
OR	
1 year of foreign language	

**Bachelor of Science in Mathematical Sciences (Physics Emphasis)**

**Degree Requirements**

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

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

CSCI 435: Advanced Networking ..... 3

Completion of the following required courses:

CHEM 131: General Chemistry GT-SC1	4
CHEM 131L: General Chemistry Lab	1
CHEM 132: General Chemistry GT-SC1	4
CHEM 132L: General Chemistry Lab	1
CHEM 432: Phys Chem Lec/Quantum Mechanic	3
MATH 120: Calculus I GT-MA1	5
MATH 121: Calculus II GT-MA1	5
MATH 220: Calculus III	4
MATH 250: Intro to Mathematical Thought	3
MATH 321: Linear Algebra	3
MATH 327: Differential Equations	3
MATH 330: Numerical Analysis	3
MATH 471: Senior Capstone I	1
MATH 472: Senior Capstone II	1
PHYS 230: General Physics I GT-SC1	4
PHYS 231: General Physics I Lab GT-SC1	1
PHYS 232: Gen Physics II (Cal) GT-SC1	4
PHYS 233: Gen Phys II Lab (Cal) GT-SC1	1
PHYS 300: Electronics & Microcontrollers	4
PHYS 302: Mechanics	4
PHYS 304: Electricity and Magnetism	4
PHYS 306: Modern Physics	4
PHYS 330: Numerical Meth for Scientists	4
CSCI 205: Computer Science I	5
or CSCI 202: Progrmg/Science/Math/Enginrg	3

Completion of required support courses:

ENG 226: Basic Grammar & Hist:English	3
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And any of the following options:

ENG 357: Introduction to Linguistics	3
ENG 363: Advanced Composition	3
One year of foreign language	

### Minor in Computer Science

CSCI 205: Computer Science I	5
CSCI 206: Computer Science II	3

Plus 4 courses of the following:

CSCI 224: Discrete Concepts	3
CSCI 307: Prgmng Languages & Platforms	3
CSCI 316: Computer Architecture	3
CSCI 317: Computer System & Architecture	4
CSCI 325: Algorithm Design & Analysis	3
CSCI 328: Artfcl Intelgnce/Machine Lrng	3
CSCI 418: Multiprocessor Computing	3

### Minor in Mathematical Sciences

MATH 120: Single Var Calculus I GT-MA1	5
MATH 121: Single Var Calculus II GT-MA1	5
MATH 220: Multivariable Calculus	4
MATH 250: Intro to Mathematical Thought	3
MATH XXX Electives approved by the dept. chair.	

### Minor in Physics

Candidates for the minor in physics are required to take the following course work:

PHYS 230: General Physics I GT-SC1	4
PHYS 231: General Physics I Lab GT-SC1	1
PHYS 232: Gen Physics II (Cal) GT-SC1	4
PHYS 233: Gen Phys II Lab (Cal) GT-SC1	1
PHYS 306: Modern Physics	4
PHYS XXX Electives approved by the department chair (4 hours)	

### Mathematics Emphasis for Elementary Education Licensure

Students in the Bachelor of Arts in Interdisciplinary Studies degree preparing to be elementary teachers must complete a content emphasis area of 15 to 21 credits.

Two of the following courses

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

Completion of all the following courses:

MATH 140: Geometry Using Technology	3
MATH 150: Librl Arts Mathematics GT-MA1	3
MATH 205: Intro to Statistical Methods	3
CSCI 101: Introduction to Programming	3

[Degree Requirements for Bachelor of Arts in Interdisciplinary Studies with Elementary Education Licensure](#)

## Pre-Engineering

Colorado School of Mines, Colorado State University and the University of Colorado cooperate with Adams State University to facilitate transfer of credit for the courses listed in the pre-engineering program.

Engineering programs differ in their requirements for the first two years.

Consultation with the pre-engineering advisor at Adams State University is essential to ensure proper transfer of credit. Failure to work with a pre-engineering advisor might result in loss of credit during transfer and additional coursework. Advisement is particularly necessary in the selection of elective courses to prevent a delay in graduating from a participating engineering school. The coursework listed below is a typical schedule for students interested in engineering.

### Freshman Year:

#### Fall only.

CHEM 131: General Chemistry GT-SC1 .....	4
CHEM 131L: General Chemistry Lab .....	1
ENG 101: Communication Arts I GT-C01 .....	3
MATH 120: Single Var Calculus I GT-MA1 .....	5
PHYS 102: Intro to Engineering Design .....	2

#### Spring

ENG 102: Communication Arts II GT-C02 .....	3
CSCI 210: Programming-Math, Sci, & Eng .....	3
MATH 121: Single Var Calculus II GT-MA1 .....	5
PHYS 230: General Physics I GT-SC1 .....	4
PHYS 231: General Physics I Lab GT-SC1 .....	1

Technical Electives (4-5 credits)

Technical electives depend on the choice of major and the engineering program. The selection of electives should be made after consulting with a pre-engineering advisor to ensure proper transfer of credit. Common choices include: CHEM 132—General Chemistry and GEOL 111—Physical Geology.

### Sophomore Year:

#### Fall only.

MATH 220: Multivariable Calculus .....	4
PHYS 232: Gen Physics II (Cal) GT-SC1 .....	4

PHYS 233: Gen Phys II Lab (Cal) GT-SC1 .....	1
PHYS 242: Statics .....	3

Fine Arts/Humanities or History Government Electives  
(6 credits)

Humanities and social science electives are dependent on the intended major. Students should consult with their pre-engineering advisor before selecting these courses. Possible courses include: ECON 255—Principles of Economics I, AR 103—Art Awareness, PSYC 106—General Psychology, and courses in English literature, foreign languages, history, music, and philosophy.

#### Spring

MATH 327: Differential Equations .....	3
PHYS 243: Dynamics .....	3
PHYS 244: Electric Circuits .....	3

Fine Arts/Humanities or History Government Electives  
(6 credits)

Humanities and social science electives are dependent on the intended major. Students should consult with their pre-engineering advisor before selecting these courses. Possible courses include: ECON 255—Principles of Economics I, AR 103—Art Awareness, PSYC 106—General Psychology, and courses in English literature, foreign languages, history, music, and philosophy.

## **Music**

Chairperson: Beth Robison, D.M.A.

Professor(s): Tracy Doyle, D.M.A.; William Lipke, D.M.A.;  
Beth Robison, D.M.A.; Matthew Schildt, Ph.D.

Assistant Professor(s): James Doyle, M.M.; Angela  
Winter, D.M.A.; Matthew Valverde, Ph.D.

Instructors: Roberto Capocchi; Marc Eaton; Lancer  
Hardy; Alyssa Powell; Tyleen Stults

Telephone: (719) 587-7621

<http://www.adams.edu/academics/music/>

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

Music at Adams State is an active and vital program, committed to musical excellence within a small college environment. Each year, more than 400 of the 2,200 on-campus students participate in music through classes, lessons and performing ensembles. The Colorado Commission on Higher Education designated the Adams State Department of Music a Program of Excellence, one of three Adams State programs to have received this honor.

Adams State University is an accredited institutional member of the National Association of Schools of Music. The Department of Music offers Bachelor of Arts degrees in music education (K-12) and music with emphases in liberal arts, music business, music performance, or music composition. Students in any area of emphasis should have the preparation and background necessary to succeed in their chosen fields.

### **Master of Arts in Music Education**

The Master of Arts in Music Education degree furthers Adams State University's mission by providing educational opportunities for K-12 teachers to earn a master's degree in music education at a reasonable cost. The Music Education master's program furthers students' musical and professional growth, enhances the success of the students they serve, and provides graduate coursework necessary for additional salary credit. The degree offers two tracks, using the cohort model. For the first track, all courses are delivered online and require a three-day summer residency at the

beginning of the degree program. The second track is a combined online/on-campus program. Students in this track enroll in the same online core and supporting courses as the first track. Students in the second track choose an area of concentration in performance, composition, or conducting, in lieu of electives. These courses are delivered face-to-face and require a two semester residency in addition to the summer residency at the beginning of the degree program.

### **Admission Requirements**

Students desiring to enroll in the Master of Arts degree program in Music Education must:

1. hold a baccalaureate degree in music from an accredited institution or hold a baccalaureate degree in another subject and have a.) completed a state licensure program in music or b.) earned a passing grade on a state standardized licensure exam in music or music education, such as the Program for Licensing Assessments for Colorado Music Educators (PLACE), the Praxis exam, etc.
2. have a cumulative undergraduate GPA of at least 3.0 for the last 30 credit hours of the degree.

All applicants must submit the following information to the Department of Music, Adams State University, 208 Edgemont Blvd., Suite 3040, Alamosa, CO 81101.

1. An application for admission to graduate study.
2. A \$30 non-refundable application fee.
3. Unofficial transcripts verifying receipt of the baccalaureate degree. Official transcripts from all institutions attended are required by the ASU Graduate School after acceptance.
4. A letter of intent
5. A 2- to 3-page philosophy of education essay that will be used to assess writing skills for eligibility into the program.
6. A complete resume including academic, volunteer, and work experience
7. Two recent letters of reference including reference contact information that outline the student's strengths and weaknesses, likely success in a graduate program, and what the student will bring to the field of music education. One letter should be from an

immediate and/or current supervisor. Both letters should be dated.

- Students applying to the combined online/ on-campus program with a concentration in *performance or conducting* will audition in person or submit an audition CD/DVD. Students applying to the combined online/on-campus program with a concentration in *composition* will submit representative original compositions with their application.

The department chair will notify students of admission decisions.

### Degree Requirements

- Minimum degree requirements are 30 hours.
- Students must maintain a cumulative GPA of at least 3.0 throughout the degree.

All candidates for a master’s degree in music education must meet graduation requirements as set forth in the Adams State University Academic Catalog.

### Music Education Online Track

Course Requirements (minimum 30 credits)

#### Required Core

MUED 565: Intro to Music Ed Research .....	3
MUED 567: Music Ed History & Philosophy .....	3
MUED 568: Soc & Psych of Music Ed .....	3
MUED 596: Music Ed Curriculum Project .....	3

#### Supportive Studies

MUED 503: Analytical Techniques .....	3
MUED 504: Composition and Arranging .....	3
MUED 534: Music Literature and Pedagogy .....	3

#### Additional Supportive Studies

MUED 521: World Music and Culture .....	3
MUED 523: Topics in Jazz and Rock .....	3
MUED 533: American Music History .....	3

A three-day residency on the Adams State campus in Alamosa, Colorado is required.

### Music Education Online/On-Campus Track

with concentrations in:

- Composition
- Conducting
- Performing

Course Requirements (minimum 30 credits)

#### Required Core

MUED 565: Intro to Music Ed Research .....	3
MUED 567: Music Ed History & Philosophy .....	3
MUED 568: Soc & Psych of Music Ed .....	3
MUED 596: Music Ed Curriculum Project .....	3

#### Supportive Studies

MUED 503: Analytical Techniques .....	3
MUED 504: Orchestration and Arranging .....	3
MUED 534: Music Literature and Pedagogy .....	3

#### Area of Concentration

MUED 540: Applied Lessons .....	2
MUED 541: Applied Lessons .....	2

Small Ensemble (2 credits total-courses may be repeated)

MUED 546: Jazz Ensemble .....	1
or MUED 548: Jazz Singers .....	1
or MUED 549: Chamber Ensemble .....	1
or MUED 555: Wind Ensemble .....	1

Large Ensemble (2 credits total-courses may be repeated)

MUED 545: Band .....	1
or MUED 547: Concert Choir .....	1
or MUED 550: Orchestra .....	1
MUED 595: Graduate Recital .....	1

A three-day residency on the Adams State campus in Alamosa, Colorado is required. An additional on-campus residency during the first two semesters of the program is required for completion of courses in the concentration area.



# Bachelor of Arts in Music

## Entrance Requirements

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

## Placement Examinations

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

## Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.

Completion of the following required courses:

MUS 000: Recital Attendance .....	0
MUS 103: Intro to Music Technology .....	1
MUS 104: Music Theory I .....	3
MUS 108: Aural Skills I .....	1
MUS 140: Applied Music .....	2
MUS 141: Applied Music .....	2
MUS 204: Music Theory II .....	3
MUS 208: Aural Skills II .....	1
MUS 240: Applied Music .....	2

MUS 241: Applied Music .....	2
MUS 245: Band .....	1
or MUS 250: Orchestra .....	1
or MUS 247: Concert Choir .....	1

7 semesters of the same large ensemble (7 credits total)

MUS 304: Advanced Theory .....	3
MUS 308: Advanced Aural Skills .....	1
MUS 320: Advanced Piano Class .....	1
MUS 326: Music History I .....	3
MUS 327: Music History II .....	3
MUS 333: Form and Analysis .....	2
MUS 340: Applied Music .....	2
MUS 341: Applied Music .....	2
MUS 360: Conducting Techniques .....	2

Completion of requirements for one of the following emphases:

### Music Business Emphasis

MUS 375: Music Recording Techniques .....	3
MUS 376: Topics in Music Business .....	3
MUS 377: Music Business Internship .....	3

Completion of the following business courses (21 credits):

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

Optional class

BUS 265: Business Communications .....	3
and/or BUS 362: Human Resource Management .....	3
and/or BUS 401: Organizational Behavior .....	3

### Music Composition Emphasis

MUS XXX Upper-division music electives (2 credits)

Completion of 18 credits of the following:

MUS 242: Applied Music - Composition .....	2
and MUS 243: Applied Music - Composition .....	2
and MUS 342: Applied Music - Composition .....	2

and MUS 343: Applied Music - Composition .....	2
MUS 375: Music Recording Techniques .....	3
MUS 444: Senior Project - Composition .....	2
MUS 445: Senior Recital .....	2
MUS XXX Upper-division music theory or composition electives (3 credits)	

### Liberal Arts Emphasis

Completion of a minor of at least 18 semester hours outside the Music Department or 18 elective hours within the Music Department.

MUS XXX Upper-division music electives (2 credits)

### Performance Emphasis

MUS 345: Junior Recital .....	1
MUS 440: Applied Music .....	2
MUS 441: Applied Music .....	2
MUS 445: Senior Recital .....	2

Completion of ONE of the following areas of specialization:

#### Instrumental:

MUS 427: Instrumental Lit & Pedagogy .....	3
MUS 449: Chamber Ensemble .....	1
MUS XXX Upper-division music electives (5 credits)	

#### Piano:

MUS 428: Piano Literature and Pedagogy .....	3
MUS 364: Accompanying Practicum I .....	2
MUS 365: Accompanying Practicum II .....	2
MUS 449: Chamber Ensemble .....	1

2 semesters (2 credits total)

MUS XXX Upper-division music electives (2 credits)

#### Voice:

MUS 429: Voice Literature and Pedagogy .....	3
MUS 425: Opera Literature .....	3
or MUS 426: Song Literature .....	3
MUS 252: Music Theatre Workshop .....	1
MUS 226: Languages for Singing .....	3
MUS XXX Upper-division music electives (2 credits)	

Completion of department senior assessment procedures.

Completion of upper-division jury exam.

Completion of piano proficiency exam.

### Additional Requirements for Music Majors

Departmental policies and regulations affecting music majors and minors are published annually in the Department of Music Handbook for Music Students. Included are requirements for recital attendance and ensemble participation, as well as departmental assessment procedures such as proficiency exams, admission to upper-division study, and admission to teacher certification/ licensure programs. The Department of Music Handbook for Music Students is available from the department office for each music major and minor. Please see the Course Specific Fees section for information on applied music fees.

### Bachelor of Arts in Music Education

#### Entrance Requirements

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

#### Placement Examinations

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

#### Degree Requirements

Completion of requirements for a bachelor's degree

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

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

Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100, plus the K-12 teacher licensure requirements listed under the Department of Teacher Education.

Completion of the following required courses:

MUS 000: Recital Attendance .....	0
MUS 103: Intro to Music Technology .....	1
MUS 104: Music Theory I .....	3
MUS 108: Aural Skills I .....	1
MUS 140: Applied Music .....	2
MUS 141: Applied Music .....	2
MUS 204: Music Theory II .....	3
MUS 208: Aural Skills II .....	1
MUS 240: Applied Music .....	2
MUS 241: Applied Music .....	2
MUS 304: Advanced Theory .....	3
MUS 308: Advanced Aural Skills .....	1
MUS 320: Advanced Piano Class .....	1
MUS 326: Music History I .....	3
MUS 327: Music History II .....	3
MUS 333: Form and Analysis .....	2
MUS 340: Applied Music .....	2
MUS 341: Applied Music .....	2
MUS 345: Junior Recital .....	1
MUS 360: Conducting Techniques .....	2
MUS 322: Percussion Methods .....	1
MUS 323: Brass Methods .....	1
MUS 324: Woodwind Methods .....	1
MUS 325: String Methods .....	1
MUS 421: Elem School Music Methods .....	3
MUS 422: Secondary School Music Methods .....	3

Completion of ONE of the following areas of specialization:

**Choral:**

MUS 226: Languages for Singing .....	3
MUS 247: Concert Choir .....	1

(or approved upper-division large ensemble) 7 credits total	
MUS 423: Choral Literature and Methods .....	3
MUS 460: Advanced Choral Conducting .....	2

**Instrumental:**

MUS 245: Band .....	1
or MUS 250: Orchestra .....	1
(or approved upper-division large ensemble) 7 credits total	
MUS 321: Voice Methods .....	1
MUS 424: Instrumental Lit/Methods .....	3
MUS 461: Advanced Instr Conducting .....	2
MUS 486: Marching Band Techniques .....	2

Completion of upper-division jury exam and completion of piano proficiency exam prior to student teaching.

Completion of department senior assessment procedures.

**Minor in Music**

A minor in music is available under any bachelor’s degree program at the university through the Department of Music.

**Entrance Requirements**

New music majors and minors are required to complete an entrance audition for admittance to the Department of Music.

**Placement Examinations**

- Transfer and new students in music must take placement examinations as appropriate in applied music and music theory.
- Students who have not been enrolled in applied music or music theory for two or more years must reaudition for admittance into the Department of Music and take a theory placement exam.

**Course requirements are as follows:**

MUS 000: Recital Attendance .....	0
MUS 100: Intro to Music Lit GT-AH1 .....	3
MUS 103: Intro to Music Technology .....	1
MUS 104: Music Theory I .....	3
MUS 108: Aural Skills I .....	1
MUS 204: Music Theory II .....	3

MUS 208: Aural Skills II .....	1
MUS 140: Applied Music .....	2
MUS 141: Applied Music .....	2

2 semesters (2 credits total)

MUS 245: Band .....	1
or MUS 247: Concert Choir .....	1
or MUS 250: Orchestra .....	1

7 semesters of the same large ensemble (7 credits total)

## **Music Emphasis for Elementary Education Licensure**

### **Degree Requirements**

Completion of requirements for a bachelor's degree

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

For elementary education licensure, students must complete the Content Area Emphasis and

[Bachelor of Arts in Interdisciplinary Studies Degree Requirements](#)

Required Courses for Emphasis

## Nursing

Chairperson: Melissa Milner, M.S.N. (interim)  
Assistant Professor(s): Alice Burch, B.S.N., M.S.N.;  
Melissa Milner, D.N.Pc., B.S.N., M.S.N.; Paul (Richard)  
Wertz, B.S.N., M.S.N. (in progress)  
Instructors: Karen Adamson, M.S.N.; Kim Chacon, R.N.,  
B.S.N., M.S.N.; Michael Geiger, Simulation Lab  
Coordinator; Jeri Chacon, B.S.N., Clinical Placement  
Coordinator.  
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Adams State University is pleased to offer two options in nursing. The first option is the R.N. (Registered Nurse) to B.S.N. online degree completion program. A four-year B.S.N. program is also available. Both programs are nationally accredited by CCNE (Commission on Collegiate Nursing Education). Upon completion of the four-year B.S.N. Program, new graduates are eligible to take the R.N. license exam.

### Bachelor of Science in Nursing (Four-year degree program)

The B.S.N. degree is a four-year prelicensure degree program. Upon successful completion of the degree, students are eligible to take the R.N. license exam.

#### Admission Requirements

Four-year B.S.N. undergraduate students typically apply for admission with the Nursing Department at the end of their freshman year and enter the B.S.N. program their sophomore year.

#### B.S.N. Admission Requirements

1. Acceptance into ASU.
  - a. Transfer students must be accepted by August 30.
  - b. Send unofficial transcripts from all institutions attended other than Adams State University
2. B.S.N. application and a \$35.00 non-refundable fee. Make check payable to "Adams State University Nursing."

3. Recommended 3.0 GPA required after completion of all general education courses and nursing pre-requisites, acceptance is **CONDITIONAL** on any prerequisite course grades completed the fall semester before admittance. Minimum grade of B in all biology and chemistry courses and the PSYC 211 course. SAT or ACT scores are required as well.
4. Proof of enrollment in prerequisite courses for fall semester prior to acceptance.
5. A 500-word autobiographical essay
6. Your resume.
7. Two letters of recommendation; at least one from a professor and the second letter from someone in an authoritative position, such as a professor, employer or coach. Letters from relatives are not acceptable. Letters are to be sent directly to ASU Nursing, 208 Edgemont Blvd. Suite 2250, Alamosa CO 81101.
8. Documentation showing submission of fingerprints and background check to American DataBank. Contact the ASU Nursing Office for forms.
9. C.N.A. licensure is highly recommended but not required for admission to the B.S.N. program. If you do have your licensure, please submit your documentation showing C.N.A. licensure or proof of successful completion of C.N.A. course. May also submit proof of enrollment into a C.N.A. course if taking after application deadline (if applicable).

Complete application packets are due by July 15 prior to the sophomore year. Students will receive notification of admission status by September 1 of sophomore year. Late applications will be considered only on a space available basis. Admission materials and guidelines are available at [nursing.adams.edu](http://nursing.adams.edu).

#### Degree Requirements

Completion of Writing Assessment

Completion of the following supporting courses/general education with a minimum grade of C-, unless noted otherwise:

ENG 101: Communication Arts I GT-C01 .....	3
ENG 102: Communication Arts II GT-C02 .....	3
PSYC 101: Introduction to Psyc GT-SS3 .....	3

PSYC 233: Lifespan Dev for Nurses .....	3
SOC 201: Soc Imagination GT-SS3 .....	3
HGP 110: Development of Civ GT-HI1 .....	3
or HGP 111: Development of Civ GT-HI1 .....	3
or HIST 202: American Hist to 1865 GT-HI1 .....	3
or HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3

Two of the following courses

AR 103: Art Appreciation GT-AH1 .....	3
and/or ENG 203: Major Themes in Lit GT-AH2 ...3 TO 6	
and/or MUS 100: Intro to Music Lit GT-AH1 .....	3
and/or THTR 180: Intro to Theatre GT-AH1 .....	3
and/or PHIL 201: Intro to Philosophy GT-AH3 .....	3
and/or COMM 255: Fndmntls of Media Comm	
GT-AH2 .....	3
PSYC 211: Intro to Stats Lecture/Lab .....	4
(Grade of C or better is required. C- is not acceptable.)	
MATH 104: Finite Mathematics GT-MA1 .....	3
or MATH 106: College Algebra GT-MA1 .....	3
or MATH 120: Calculus I GT-MA1 .....	5
BIOL 125: Nutrition .....	2
(Grade of C or better is required. C- is not acceptable.)	
BIOL 205: Human Anatomy & Physiology .....	4
(Grade of C or better is required. C- is not acceptable.)	
BIOL 206: Human Anatomy & Physiology .....	4
(Grade of C or better is required. C- is not acceptable.)	
BIOL 215: Microbiology for Non-Majors .....	4
(Grade of C or better is required. C- is not acceptable.)	
CHEM 105: Intro to Gen, Org, & Bio Chem .....	4
(Grade of C or better is required. C- is not acceptable.)	
CHEM 105L: Intro to Gen, Org, & Bio Chem .....	1
(Grade of C or better is required. C- is not acceptable.)	

Completion of Required Nursing Courses

NURS 201: Math for Nursing .....	1
NURS 202: Nursing Informatics .....	1
NURS 206: Pathophysiology .....	4
NURS 207: Health Assessment .....	3
NURS 208: Pharmacology .....	4
NURS 210: Nursing Research .....	2
NURS 211: Professional Practice .....	2
NURS 309: Nursing Fundamentals .....	6
NURS 309C: Nursing Fundamentals Clinical .....	3
NURS 310: Medical Surgical Nursing I .....	4
NURS 310C: Med/Surg Nursing I Clinical .....	4
NURS 311: Geriatric Nursing .....	3
NURS 312: Med/Surg Nursing II .....	4
NURS 312C: Med/Surg Nursing II Clinical .....	4
NURS 314: Health Care Ethics .....	2
NURS 407: Obstetric Nursing .....	3

NURS 407C: Obstetric Nursing Clinical .....	2
NURS 408: Pediatric Nursing .....	3
NURS 408C: Pediatric Nursing Clinical .....	2
NURS 409: Psychiatric Nursing .....	3
NURS 409C: Psychiatric Nursing Clinical .....	2
NURS 412: Rural/Community Health .....	3
NURS 412C: Rural/Comm Health Clinical .....	2
NURS 413: Service Learning .....	1
NURS 414C: Nursing Internship .....	4
NURS 415: Nursing Management .....	2

NURS 415C: Nursing Management Clinical (2 hours)  
Application of nursing leadership and management principles learned in NURS 415 will be the focus of this course. Application of concepts learned take place in the clinical setting. Critical thinking and evidence based practice will be emphasized.

The B.S.N. degree is a four-year prelicensure degree program. Upon successful completion of the degree, students are eligible to take the R.N. license exam.

**R.N. to Bachelor of Science in Nursing**

The R.N. to B.S.N. completion program serves as an instrument for advancing the nursing practice of registered nurses. The R.N. to B.S.N. education will result in increased nursing professionalism and a higher quality of nurse-delivered health care, especially in a rural setting. The program is composed of courses and field experiences that will provide registered nurses with added knowledge and the development of higher level thought processes. The resulting maturation will allow integration of current health care models and evidence based practice to the daily delivery of nursing care. To complete the R.N. to B.S.N. degree, students transfer in their A.D.N. (Associate Degree in Nursing or diploma degree) coursework and complete general education and upper-division nursing courses at Adams State University.

**Admissions Requirements**

Students applying to the R.N. to B.S.N. program must have R.N. licensure and a cumulative GPA of 2.5. Students should apply for admission after or near graduation from an A.D.N. program.

Admission Process:

1. Apply online for admission to Adams State University.
2. Request all previously attended postsecondary institutions to submit unofficial transcripts directly to Adams State University, School of Nursing, 208 Edgemont Blvd. Suite 2250, Alamosa, CO 81101.
3. Minimum of 2.5 GPA required after completion of all general education courses and nursing pre-requisites.
4. Minimum grade of C in all biology courses (if needed and post-A.D.N. degree) and PSYC 211.
5. A 500-word autobiographical essay.
6. Curriculum Vitae to include current R.N. license information (state/license number/expiration date).
7. Two letters of recommendation.
8. Background check including drug screen and fingerprinting.
9. Submit the completed R.N.-B.S.N. application to the School of Nursing along with a non-refundable \$35 application fee (money order or checks only).

**Conditional Admission:**

With the approval of the program director, a student may be allowed to take up to 9 credit hours of nursing coursework prior to full admission into the program. A final letter of admission will be sent to the student once all conditions for admission are met.

**Admission Requirements:**

The following needs to be completed within 30 days of admission to the program to allow participation in clinical settings. See clinical requirements section of handbook for more information.

1. Current physical exam.
2. Documentation of updated immunizations
3. Current American Heart Association CPR certification
4. Proof of malpractice insurance

Admission materials and guidelines are available online at [nursing.adams.edu](http://nursing.adams.edu).

**Degree Requirements**

- Proof of R.N. licensure (or conditional admittance)
- 36 hours in the nursing major
- 50 hours in supporting courses/general education
- 34 hours R.N. credits in transfer
- 120 minimum hours for the degree, 36 of which must be upper-division hours

Writing Assessment: Students must complete and pass a writing assessment prior to graduation from the nursing program

Completion of the following supporting courses/general education (as indicated):

Communications - 6 credit hours required

ENG 101: Communication Arts I GT-C01 .....	3
ENG 102: Communication Arts II GT-C02 .....	3

Social and Behavioral Sciences - 9 credit hours required

PSYC 101: Introduction to Psyc GT-SS3 .....	3
PSYC 233: Lifespan Dev for Nurses .....	3

Spring semesters

SOC 201: Soc Imagination GT-SS3 .....	3
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History Course - 3 credit hours required

HGP 110: Development of Civ GT-HI1 .....	3
or HGP 111: Development of Civ GT-HI1 .....	3
or HIST 202: American Hist to 1865 GT-HI1 .....	3
or HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3

Arts and Humanities - 6 credit hours required

AR 103: Art Appreciation GT-AH1 .....	3
and/or ENG 203: Major Themes in Lit GT-AH2 ...	3 TO 6
and/or MUS 100: Intro to Music Lit GT-AH1 .....	3
and/or THTR 180: Intro to Theatre GT-AH1 .....	3
and/or PHIL 201: Intro to Philosophy GT-AH3 .....	3
and/or COMM 255: Fndmntls of Media Comm	
GT-AH2 .....	3

Quantitative Thinking - 7 credit hours required

PSYC 211: Intro to Stats Lecture/Lab .....	4
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\*required for nursing

MATH 104: Finite Mathematics GT-MA1 .....	3
or MATH 106: College Algebra GT-MA1 .....	3
or MATH 120: Calculus I GT-MA1 .....	5

Required Program Nursing Courses:

BIOL 125: Nutrition .....	2
BIOL 205: Human Anatomy & Physiology .....	4
Fall semesters	
BIOL 206: Human Anatomy & Physiology .....	4
Spring semesters	
CHEM 105: Intro to Gen, Org, & Bio Chem .....	4
Fall semesters	
CHEM 105L: Intro to Gen, Org, & Bio Chem .....	1
BIOL 215: Microbiology for Non-Majors .....	4
Spring semesters	
Pre-req BIOL 205 & CHEM 105/105L	

Completion of Required Nursing Courses (must be admitted to the nursing program):

NURS 302: Nursing Informatics .....	3
Course delivered online only.	
NURS 305: Transcultural Nursing .....	3
Course delivered online only.	
NURS 320: Nursing Ethics .....	3
Course delivered online only.	
NURS 325: Geriatric Nursing .....	3
Course delivered online only.	
NURS 330: Nursing Leadership .....	3
Course delivered online only.	
NURS 340: Financial Mgmt in Nursing .....	3
Course delivered online only.	
NURS 350: Global Health Nursing .....	3
Course delivered online only.	
NURS 410: Nursing Research .....	3
Course delivered online only.	
NURS 420: Intro to Managed Health Care .....	3
Course delivered online only.	
NURS 430: Hlth Assmt Experienced Nurse .....	3
Hybrid delivery format (online/face-to-face/clinical)	
NURS 440: Prof Pct Role Devl Nursing .....	3
Course delivered online only.	
NURS 450: Intro to Case Management .....	3
NURS 460: Community Health Nursing .....	3
Course delivered online only.	
NURS 470: Nursing Capstone .....	3
Hybrid delivery format (online/face-to-face/clinical)	



## Psychology

Professor(s): Leslie Cramblet Alvarez, Ph.D.; Robert M. Demski, Ph.D.

Associate Professor(s): Jeffrey Elison, Ph.D.; R. Nate Pipitone, Ph.D.

Assistant Professor(s): Robert Kirk, Ph.D. (ABD);

Instructors: N/A

Telephone: (719) 587-7783

<http://www.adams.edu/academics/psych/>

The Bachelor of Arts degree with a major in psychology functions as a pre-professional program for graduate study or preparation for a career in mental health, personnel work, education, business, and other occupations requiring a person to understand and interact with human behavior. A minor in psychology is also available.

### Bachelor of Arts in Psychology

Optional emphases:

- Developmental Psychology
- Clinical Psychology

### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of the following required courses (at least 12 hours must be completed at ASU):

PSYC 204: Child Development ..... 3  
 PSYC 205: Adolescent and Adult Development ..... 3

PSYC 211: Intro to Stats Lecture/Lab ..... 4  
 PSYC 245: Brain and Behavior ..... 3  
 PSYC 330: Professional Seminar ..... 1  
 PSYC 355: Research Methods in Psychology ..... 4  
 PSYC 414: Cognitive Psychology ..... 3  
 PSYC 430: Abnormal Psychology ..... 3  
 PSYC 465: Theories of Personality ..... 3  
 PSYC 468: History and Systems of Psych ..... 3

Six hours of electives from the following:

PSYC 410: Social Psychology ..... 3  
 PSYC 416: Behavioral Neuroscience ..... 3  
 PSYC 455: Evolutionary Psychology ..... 3  
 PSYC 456: Theories of Learning ..... 3  
 PSYC 458: Sensation and Perception ..... 3

Plus 6 semester hours of 300- to 400-level psychology electives (or clinical or developmental psychology emphasis).

All psychology majors must complete the following major assessment plan prior to graduation:

1. Complete a major field examination.
2. Submit all major papers (300 and 400 level) to professors in duplicate. (This will allow the department to accumulate a portfolio of the student's work.)
3. Participate in an exit interview with a committee of psychology faculty (arranged with advisor).

Emphasis in Clinical Psychology (optional)

PSYC 345: Psychological Testing & Assess ..... 3  
 PSYC 385: Cognitiv/Behavior Modification ..... 3

Plus 6 hours from the following

PSYC 310: Child & Adoles Psychopathology ..... 3  
 PSYC 315: Multicultural Issues ..... 3  
 PSYC 316: Drugs, Society & Human Behavior ..... 3  
 PSYC 360: Psychology of Gender ..... 3  
 BIOL 330: Plus 6 hours from the following ..... 4  
 PSYC 416: Behavioral Neuroscience ..... 3  
 PSYC 455: Evolutionary Psychology ..... 3  
 PSYC 456: Theories of Learning ..... 3  
 PSYC 458: Sensation and Perception ..... 3

Overall total required credits for Psychology Major/  
Clinical Emphasis (48 Credit hours)

Emphasis in Developmental Psychology (optional)

Completion of the following required courses:

PSYC 310: Child & Adoles Abnormal Psych ..... 3  
PSYC 387: Adulthood and Aging ..... 3

Plus 6 hours from the following:

PSYC 345: Psychological Testing & Assess ..... 3  
PSYC 360: Psychology of Gender ..... 3  
PSYC 375: Human Sexuality ..... 3  
PSYC 385: Cognitive Behavior Mod ..... 3  
Total Emphasis: 12 credits

## Bachelor of Arts in Sport Psychology

The Bachelor of Arts degree with an interdisciplinary major in sport psychology functions as a pre-professional program for graduate study in sport psychology, in sport and exercise physiology, and/or in counseling.

### Degree Requirements

Completion of requirements for a bachelor's degree

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

PSYC 205: Adolescent and Adult Development ..... 3  
PSYC 211: Intro to Stats Lecture/Lab ..... 4  
PSYC 245: Brain and Behavior ..... 3  
COUN 312: Introduction to Counseling ..... 3  
LS 225: Research Skills/Behavior Sci ..... 1  
PSYC 355: Research Methods in Psychology ..... 4  
PSYC 385: Cognitive Behavior Mod ..... 3  
PSYC 410: Social Psychology ..... 3  
or PSYC 465: Theories of Personality ..... 3

HPPE 100: Foundations of HPPE ..... 3  
BIOL 205: Human Anatomy & Physiology ..... 4  
and BIOL 206: Human Anatomy & Physiology ..... 4  
or BIOL 112: Human Anatomy ..... 4  
HPPE 190: Sports Psychology ..... 3  
HPPE 209: Care/Prevention Athletic Injur ..... 2  
HPPE 329: Exercise Physiology ..... 3  
and HPPE 329L: Exercise Physiology Lab ..... 1  
HPPE 340: Kinesiology ..... 3  
HPPE 341: Human Motor Development ..... 3  
HPPE 327: Tech/Coach Strength Cond ..... 3  
or HPPE 422: Exercise Eval & Fitness Manage ..... 3  
HPPE 350: Methods of Coaching ..... 3  
HPPE 436: Applied Sport Psychology ..... 3  
HPPE 486: Sport Psychology Practicum ..... 3

Completion of six hours of the following electives:

PSYC 315: Multicultural Issues ..... 3  
PSYC 316: Drugs, Society & Human Behavior ..... 3  
PSYC 360: Psychology of Gender ..... 3  
PSYC 375: Human Sexuality ..... 3  
PSYC 380: Health Psychology ..... 3  
PSYC 410: Social Psychology ..... 3  
or PSYC 465: Theories of Personality ..... 3  
PSYC 458: Sensation and Perception ..... 3

### Minor in Psychology

A minor in psychology is a great complement for many majors, especially in fields like nursing and business where today's employers are putting more and more emphasis on interpersonal skills. The minor will provide a broad overview of several important areas in psychology, all of which will help students appreciate why people behave in certain ways.

PSYC 204: Child Development ..... 3  
PSYC 205: Adolescent and Adult Development ..... 3  
PSYC 211: Intro to Stats Lecture/Lab ..... 4  
PSYC 245: Brain and Behavior ..... 3

Plus nine semester hours of 300- to 400-level psychology electives

Total Hours: 22

### Minor in Sport Psychology

A minor in sport psychology consists of the following:

PSYC 205: Adolescent & Adult Development .....	3
PSYC 211: Intro to Stats Lecture/Lab .....	4
HPPE 341: Human Motor Development .....	3
PSYC 385: Cognitiv/Behavior Modification .....	3
HPPE 436: Sport and Exercise Psychology .....	3
HPPE 486: Sport Psychology Practicum .....	3

Plus one of the following:

PSYC 315: Multicultural Issues .....	3
PSYC 360: Psychology of Gender .....	3
PSYC 375: Human Sexuality .....	3
PSYC 465: Theories of Personality .....	3

## Sociology

Chairperson: Grace Young, Ph.D.

Professor(s): Stephanie Hilwig, Ph.D.; Michael Martin, Ph.D.; Grace Young, Ph.D.

Associate Professor(s): Benjamin Waddell, Ph.D.

Assistant Professor(s): Nancy Gonzales, Ph.D.

Telephone: (719) 587-7878

<http://www.adams.edu/academics/soc/>

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

The Department of Sociology blends the academic with the practical. Students are instructed in the major sociological theories underlying social life and society and are provided opportunities to apply this knowledge hands-on in the community. The Sociology Department is committed to preparing students for careers in human services and criminal justice, as well as for admission to graduate programs in sociology, social work, and criminology. Sociology majors complete 49 credit hours of sociology courses and select at least one emphasis area either in criminology or social welfare.

In addition, students complete one or more semester-long internships in a community agency specializing either in human services or criminal justice. The internships are designed to provide marketable skills and experiences that enhance employment and graduate school possibilities. Sociology graduates are employed in a variety of work settings; a sampling of job titles includes Colorado state trooper, child protective services caseworker, family preservation specialist, probation officer, local law enforcement officer, corrections counselor, social services coordinator for the elderly, administrative liaison for children and families, forensic social worker, community corrections officer, caseworker for troubled youth, and victim's advocate.

### Bachelor of Arts in Sociology

#### Degree Requirements

Completion of requirements for a bachelor's degree

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

Completion of SOC 201: The Sociological Imagination is a prerequisite for all other sociology courses.

All sociology majors must take the following 37 hours of core courses:

(Note: LS 225: Research Skills for the Behavioral Sciences (1 credit) is a pre- or co-requisite for SOC 245 and SOC 251 and a prerequisite for SOC 455.)

SOC 201: Soc Imagination GT-SS3 .....	3
SOC 245: Criminology .....	3
SOC 251: Social Problems .....	3
SOC 311: Social Statistics .....	4
BUS 120: Business Computer Applications (3 hours) is a prerequisite for SOC 311.	
MATH 106: College Algebra (3 credits) is the recommended math prerequisite for SOC 311.	
SOC 318: Race, " Class, and Gender" .....	3
SOC 365: Race, Culture, and Ethnicity .....	3
SOC 395: Pre-Professional Seminar .....	2
SOC 401: Social Psychology .....	3
SOC 445: Sociological Theory .....	3
SOC 455: Sociological Research Methods .....	4

#### Sociology Electives Courses (6 elective credits)

SOC 305: Rural Sociology .....	3
SOC 315: Sociology of Education .....	3
SOC 320: Marriages and Families .....	3
SOC 379: Special Topics .....	.5 TO 5
SOC 419: Gender and Society .....	3
SOC 425: Environment and Society .....	3
SOC 444: Deviance and Control .....	3
SOC 479: Special Topics .....	1 TO 5

For students choosing the Criminology emphasis, SOC 352, SOC 370, and SOC 470 are also available as elective courses; for students choosing the Social Welfare

emphasis, SOC 346, SOC 347, and SOC 447 are also available as elective courses.

Students choose one of the following emphases (to complete the final 12 credits required for the 49-credit sociology major):

**Criminology Emphasis**

SOC 346: Criminal Justice .....	3
SOC 347: Juvenile Delinquency .....	3
SOC 447: Correctional Systems .....	3
SOC 494: Internship in Criminology .....	3 TO 6

**Social Welfare Emphasis**

SOC 352: Human Behavior & Social Env .....	3
SOC 370: Poverty and Social Inequality .....	3
SOC 470: Social Welfare Policy .....	3
SOC 493: Internship in Social Welfare .....	3 TO 6

All sociology majors must meet the requirements of the Local Writing Assessment in Sociology.

All sociology majors must complete the following sociology assessment plan:

1. ETS Field Test in Sociology
2. Major Research Project in Sociological Research Methods
3. Internship Final Review

**Minor in Sociology**

Minors (18 hours excluding SOC 201) are available through consultation with any sociology faculty member.

## Spanish (Languages Program)

Chairperson: Ed Crowther, Ph.D. (HAPPS Chair)

Associate Professor(s): Eva Rayas Solis, Ph.D.

Telephone: (719) 587-7771

<http://www.adams.edu/academics/languages>

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

The Languages Program currently offers two emphases in Spanish: liberal arts and secondary education. The program offers a wide variety of classes covering the language, literature, and culture of Spain and Latin America. There are also career-oriented classes such as Spanish for Translation, Spanish for Health Professions, and Spanish for Business. The Spanish student organization, El Parnaso, is one of the oldest on campus. The San Luis Valley is a rich cultural area to study the Spanish language. In addition to the diverse indigenous populations that form the basis of its human geography, it has a deep political and cultural history as a territory of both Spain and Mexico before becoming part of the United States in the mid-19th century. Introductory courses in Japanese and occasionally French may be offered.

## Bachelor of Arts in Spanish (Liberal Arts Emphasis)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

SPAN 103: Elementary Spanish I .....	4
SPAN 104: Elementary Spanish II .....	4
SPAN 203: Intermediate Spanish I .....	3
SPAN 204: Reading & Conversation .....	3

### Required Core

SPAN 313: Conversation and Composition .....	3
SPAN 350: Advanced Grammar & Comp .....	3

### Civilization and Culture Courses:

SPAN 325: Spanish Civ & Culture .....	3
or SPAN 326: Latin American Civ & Culture .....	3

### Literature Courses:

SPAN 340: Topics in Spanish Literature .....	3
or SPAN 341: Topics in Latin Am Literature .....	3

### Language Elective Courses (6 hours):

SPAN 310: Southwest Spanish .....	3
SPAN 315: Spanish for Business .....	3
SPAN 316: Spanish for Health Professions .....	3
SPAN 317: Spanish for Translation .....	3
SPAN 379: Special Topics .....	1 TO 6
SPAN 395: Spanish Phonetics--Lang Hist .....	3
SPAN 396: Methods Teaching Foreign Lang .....	3

### Literature Elective Courses (6 hours):

SPAN 400: Masterpieces of Spanish Lit .....	3
SPAN 401: Masterpieces of Latin Am Lit .....	3
SPAN 411: Contemporary Spanish Lit .....	3
SPAN 412: Contemp Latin American Lit .....	3
SPAN 413: La Literatura Indigenista .....	3
SPAN 414: Spanish American Thought .....	3
SPAN 415: Cervantes/El Quijote .....	3
SPAN 416: La Novela/Revolucion Mexicana .....	3
SPAN 419: Golden Age Drama .....	3
SPAN 423: Modern Hispanic Short Story .....	3
SPAN 425: Hispanic Poetry .....	3
SPAN 479: Special Topics .....	1 TO 6

Language/Literature Electives (3 additional hours from above)

Successful completion of the Senior Comprehensive Examination (SCE).

Successful completion of the Oral Proficiency Interview (OPI) in Spanish at ACTFL level advanced high.

NOTE: Completion of the SCE and OPI are instruments used by ASU Language Faculty to assess the effectiveness of their program in four areas:

1. Oral performance in speaking, understanding, description, and oral narration;
2. Writing (Grammar);
3. Hispanic culture and literature appreciation;
4. Teaching methodology.

## Bachelor of Arts in Spanish (Secondary Teacher Licensure)

### Degree Requirements

Completion of requirements for a bachelor's degree

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

### Required Core

SPAN 313: Conversation and Composition .....	3
SPAN 350: Advanced Grammar & Comp .....	3
SPAN 395: Spanish Phonetics--Lang Hist .....	3
SPAN 396: Methods Teaching Foreign Lang .....	3

### Civilization and Culture Courses:

SPAN 325: Spanish Civ & Culture .....	3
or SPAN 326: Latin American Civ & Culture .....	3

### Literature Courses:

SPAN 340: Topics in Spanish Literature .....	3
or SPAN 341: Topics in Latin Am Literature .....	3

### Language Elective Courses (6 hours):

SPAN 310: Southwest Spanish .....	3
SPAN 315: Spanish for Business .....	3
SPAN 316: Spanish for Health Professions .....	3
SPAN 317: Spanish for Translation .....	3
SPAN 379: Special Topics .....	1 TO 6

### Literature Elective Courses (6 hours):

SPAN 400: Masterpieces of Spanish Lit .....	3
SPAN 401: Masterpieces of Latin Am Lit .....	3
SPAN 411: Contemporary Spanish Lit .....	3
SPAN 412: Contemp Latin American Lit .....	3
SPAN 413: La Literatura Indigenista .....	3
SPAN 414: Spanish American Thought .....	3
SPAN 415: Cervantes/El Quijote .....	3
SPAN 416: La Novela/Revolucion Mexicana .....	3
SPAN 419: Golden Age Drama .....	3
SPAN 423: Modern Hispanic Short Story .....	3
SPAN 425: Hispanic Poetry .....	3
SPAN 479: Special Topics .....	1 TO 6

Language/Literature Electives (3 additional hours from above)

Successful completion of the Senior Comprehensive Examination (SCE).

Successful completion of the Oral Proficiency Interview (OPI) in Spanish at ACTFL level advanced high.

NOTE: Completion of the SCE and OPI are instruments used by ASU Language Faculty to assess the effectiveness of their program in four areas:

1. Oral performance in speaking, understanding, description, and oral narration;
2. Writing (Grammar);
3. Hispanic culture and literature appreciation;
4. Teaching methodology.

## Minor in Spanish

A minor (7 courses) is available in consultation with any Spanish faculty member.

## Spanish Emphasis for Elementary Education Licensure

## Degree Requirements

Completion of requirements for a bachelor's degree  
A minimum of 120 academic (non-PE) semester hours of credit.

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

For elementary education licensure, students must complete the Content Area Emphasis and

[Bachelor of Arts in Interdisciplinary Studies Degree Requirements](#)

Required Courses for Emphasis



## ***Teacher Education***

Chairperson: Ed Crowther, Ph.D.

Associate Professor(s): Anicia Alvarez, Ph.D.; Anthony Romero, Ph.D.

Assistant Professor(s): Curtis Garcia, M.A. (visiting); Javier Gonzalez, M.A.; Stephanie M. Hensley, Ph.D.; Katherine Smith-Mortensen (visiting)

Telephone: (719) 587-7776

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

The Teacher Education Department of Adams State University is committed to student learning and quality teaching through the preparation of knowledgeable K - 12 professionals as educational leaders who facilitate learning for all students, particularly in rural regions.

Based upon the model of the professional educator as a reflective decision-maker, the Department of Teacher Education prepares:

- Educational leaders who actively participate in school improvement, applying the skills necessary to facilitate school reform while fostering collaboration and cooperation amongst multiple stakeholders
- Competent professionals who seek out and manage resources to support instruction, engage in constructive discourse on a wide range of educational issues, understand and implement state standards, and model best practices
- Culturally responsive teachers who facilitate learning for all students

Content and pedagogical preparation includes:

- a liberal arts education and content area knowledge in the area of licensure
- application of evidence-based theories and strategies of learning and instruction to classroom practice, including:
  - literacy
  - Colorado content standards based curriculum
  - instructional management

- formal and informal assessment practices
- instructional strategies that address a wide range of learning styles, including effective strategies for linguistically and culturally diverse students

The Department of Teacher Education is authorized by the Colorado State Board of Education to provide licensure and endorsement programs. All M.A. degree-seeking candidates must successfully complete a capstone project (CAP) in order to meet requirements for the degree.

## **Master of Arts in Education**

with endorsements or emphases in:

- [Culturally and Linguistically Diverse \(CLD\) Endorsement](#)
- [Curriculum and Instruction Emphasis](#)
- [Educational Leadership Program \(Principal License\)](#)
- [Reading Teacher Endorsement](#)

## **Admission Requirements**

The graduate teacher education program encourages applications from individuals who have strong academic and professional backgrounds and have demonstrated potential to contribute to the field of education.

Candidates are evaluated on the following criteria:

- Past academic performance, including areas of academic strength, with greater weight given to current course work
- Personal statements included in student's letter of intent listing goals, accomplishments and experience
- Letters of recommendation. We consider the comments made by others who can evaluate the applicant's accomplishments, communication and interpersonal skills, and leadership potential.

The following are required to begin the application process:

- A current professional teacher's license

- A bachelor's degree from an accredited college or university
- A minimum grade point average of 3.0 (If the GPA is between 2.75 and 2.99, the student must obtain a passing score on the GRE or the MAT. The candidate is conditionally admitted and must maintain at least a 3.0 GPA from then on.)

### **Culturally and Linguistically Diverse (CLD)**

#### **Endorsement Program**

The five-semester Master of Arts in Education with a Culturally and Linguistically Diverse (CLD) endorsement focuses on the development of sound multicultural teaching competencies and educational leadership for service in schools.

Total program credits: 30, including M.A. Academic Core of 9 credits

#### **Degree Requirements**

##### **Academic Core:**

ED 549: Educating Diverse Learners .....	3
ED 550: Curriculum & Assessment .....	3
ED 571: Education Research .....	3

##### **Cognate Requirements:**

CLD 510: Culturally/Linguistic Diverse .....	3
CLD 516: Multicultur Narrativ Ed Reform .....	3
CLD 520: Language Acquisition .....	3
CLD 526: Assessment of English Learners .....	3
CLD 530: Theory to Practice .....	3

##### **Internship:**

CLD 535: Internship .....	6
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Added Endorsement Application:

1. Complete master's degree and/or endorsement.
2. Go to [www.cde.state.co.us](http://www.cde.state.co.us) and complete "Application for an Added Endorsement Based on an Approved Program."
3. Fax signature page to the ASU licensure clerk at 719-587-8145.
4. Verification page will be e-mailed to applicant.
5. Complete Colorado Department of Education's application packet online.

### **Curriculum and Instruction Emphasis**

The goal of the five-semester Curriculum and Instruction emphasis is to develop strong planning and teaching skills in educators who are dedicated to ensuring all students, particularly students from diverse cultural and linguistic backgrounds, succeed academically.

Total credits: 30, including M.A. Academic Core of 9 credits

#### **Degree Requirements**

##### **Academic Core:**

ED 549: Educating Diverse Learners .....	3
ED 550: Curriculum & Assessment .....	3
ED 571: Education Research .....	3

##### **Cognate Requirements:**

ED 560: Psych of Teaching & Learning .....	3
ED 575: Data-Driven Decision Making .....	3
ED 580: 21st Century Education .....	3 TO 4
ED 598: Capstone Rsrch Project Seminar .....	3

Elective Requirements (9 credit hours or equivalent)

Students will take or transfer in 9 semester hours of elective in an emphasis of their choice. Courses must be submitted to the Graduate Coordinator for approval.

#### **Educational Leadership Program (Principal License)**

The six-semester Educational Leadership program is designed to equip qualified and experienced educators with the knowledge and skills necessary to assume leadership positions in schools, particularly those of program supervisor/director or building principal/assistant principal. Studies include leadership; curriculum, instruction, and assessment; and school management, law and finance. The program emphasizes the role of a school leader as a collaborator and creator of a supportive and stimulating environment for children and teachers.

This course of study leads to a State of Colorado principal license.

Total program credits: 39 including M.A. Academic Core of 9 credits

### Degree Requirements

#### Academic Core:

ED 549: Educating Diverse Learners .....	3
ED 550: Curriculum & Assessment .....	3
ED 571: Education Research .....	3

#### Cognate Requirements:

ED 503: Prin Lic Tools/Skills I .....	3
ED 505: Schools and Society .....	3
ED 508: School Law .....	3
ED 515: Principal Licensure Intern I .....	1
ED 509: Fiscal Management .....	3
ED 510: Personnel Management .....	3
ED 525: Principal Licensure Intern 2 .....	1
ED 533: Prin Lic Tools/Skills II .....	3
ED 528: Managing Curr/Instruct/Assess .....	3
ED 529: Instruct/Improve Supervision .....	3
ED 535: Principal Licensure Intrnshp 3 .....	1
ED 545: Principal Licensure Intrnshp 4 .....	3

#### Added Endorsement Application:

1. Complete master's degree and/or endorsement.
2. Pass appropriate PLACE content area exam.
3. Go to [www.cde.state.co.us](http://www.cde.state.co.us) and complete "Application for an Added Endorsement Based on an Approved Program."
4. Fax signature page to the ASU licensure clerk at 719-587-8145.
5. Verification page will be e-mailed to applicant.
6. Complete Colorado Department of Education's application packet online.

### Reading Teacher Endorsement Program

The five-semester Master of Arts in Education with a Reading Teacher endorsement focuses on language and literacy theory, research, and practice. The endorsement is designed to develop competencies in language, reading, writing, early literacy, children's literature, adult and family literacy, multicultural education, and applied linguistics. This course of study leads to a State of Colorado K-12 Reading Teacher endorsement.

Total program credits: 30 including M.A. Academic Core of 9 credits

### Degree Requirements

#### Academic Core:

ED 549: Educating Diverse Learners .....	3
ED 550: Curriculum & Assessment .....	3
ED 571: Education Research .....	3

#### Cognate Requirements:

ED 521: Foundations of Literacy .....	3
ED 522: Diagnosis & Assmnt of Literacy .....	3
ED 523: Lit Strategies f/Div Learners .....	3
ED 524: Lit in Content Areas .....	3
ED 556: What Writers Need .....	3
ED 527: Internship in Literacy .....	6

#### Added Endorsement Application:

1. Complete master's degree and/or endorsement.
2. Pass appropriate PLACE content area exam.
3. Go to [www.cde.state.co.us](http://www.cde.state.co.us) and complete "Application for an Added Endorsement Based on an Approved Program."
4. Fax signature page to the ASU licensure clerk at 719-587-8145.
5. Verification page will be e-mailed to applicant.
6. Complete Colorado Department of Education's application packet online.

### Master of Arts in Culturally and Linguistically Diverse Education - Colorado Boettcher Teacher Residency

The Boettcher Teacher Residency is an intensive, residency-based, dual licensure and master's degree program designed to recruit, prepare and retain outstanding teachers for rural schools. No previous teaching experience is required.

### Degree Requirements

#### Early Childhood Education Endorsement

ED 519: Culture and Communities .....	3
ED 501: Perspectives/Foundations .....	3
ED 502: Assess Mgt Climate & Culture I .....	3
ED 506: Rflectv Tchr:DifferentiatedIns .....	3
ED 507: Assess Mgt Climate/Culture II .....	3

ED 561: Literacy/Language I - Elem .....	3
ED 557: Research Methods .....	3
ED 520: Rflectv/Tchr:ResBsdStdntChg .....	3
ED 539: Methods of Teaching Math & Sci .....	3
ED 553: Systems Theory & Leadership .....	3
ED 573: Literacy/Language II - Elem .....	3
ED 590: PLCs: Collab & Coll Resp .....	3
ED 591: Capstone Project .....	3

**Total: 36 Hours**

## Special Education Generalist Endorsement

ED 533: Prin Lic Tools/Skills II .....	3
ED 519: Culture and Communities .....	3
ED 502: Assess Mgt Climate & Culture I .....	3
ED 506: Rflectv Tchr:DifferentiatedIns .....	3
ED 561: Literacy/Language I - Elem .....	3
SPED 530: Spec Needs Stud Instruct Meth .....	2
ED 507: Assess Mgt Climate/Culture II .....	3
ED 573: Literacy/Language II - Elem .....	3
ED 520: Rflectv/Tchr:ResBsdStdntChg .....	3
ED 539: Methods of Teaching Math & Sci .....	3
SPED 535: Methods Intervention Sign Nds .....	2
ED 557: Research Methods .....	3
SPED 539: Transition to Adulthood .....	3
ED 590: PLCs: Collab & Coll Resp .....	3
ED 591: Capstone Project .....	3

- All M.A. degree-seeking candidates MUST successfully complete a Capstone Research Project (CRP) in order to meet requirements for the degree. The project will be due in the last term of the program.
- Candidates must complete an official degree plan with the Department of Teacher Education and file it by completion of six (6) hours of coursework.
- Candidates requesting transfer or substitution of prior coursework must declare so before their first semester of study. Any subsequent changes to this degree plan must be approved by the chair of the Department of Teacher Education.
- Literacy/Language I & II, Content, and Methods (leveling) courses will be taken by the resident only if needed.

## Option to add principal licensure

ED 503: Prin Lic Tools/Skills I .....	3
ED 508: School Law .....	3
ED 574: School Principalship Intern I .....	2
ED 509: Fiscal Management .....	3
ED 529: Instruct/Improve Supervision .....	3
ED 576: School Principalship Intern II .....	2

## Master of Arts in Education - Colorado Boettcher Teacher Residency

The Boettcher Teacher Residency is an intensive, residency-based, dual licensure and master's degree program designed to recruit, prepare and retain outstanding teachers for rural schools. No previous teaching experience is required.

During the first year, Boettcher residents placed in Colorado will earn a Colorado Teaching License and in the second year will complete a master's degree in education from Adams State University. The program includes a \$3,000-\$7,000 scholarship/stipend during the teaching residency year as well as mentoring and coaching for success. Colorado residents agree to teach in approved high-priority schools in Colorado for a total of five years (including residency year).

### Admission Requirements

Applications for the Boettcher Teacher Residency must be submitted by April 26.

### [Application Process](#)

### Degree Requirements

ED 519: Culture and Communities .....	3
ED 581: COBoettchrTchrRsdncySUInstitute .....	3
ED 501: Perspectives/Foundations .....	3
ED 502: Assess Mgt Climate & Culure I .....	3
ED 506: Reflective Teacher .....	3
ED 561: Literacy/Language I - Elem .....	3
and/or ED 563: Content Area Literacy - Sec .....	3
and/or ED 573: Literacy/Language II - Elem .....	3
ED 567: Methods of Teaching Math - Sec .....	3
or ED 568: Methods/Teaching Science-Sec .....	3
or ENG 516: Methods/Teaching English-Sec .....	3
or HGP 516: Methods/Teach Soc Studies-Sec .....	3
or ED 564: Methods of Teaching Math-Elem .....	3
ED 507: Assess Mgt Climate/Culture II .....	3
ED 511: Science Pedagogy K-12 .....	3
ED 520: Student Teaching Residency .....	3

ED 543: Spanish for Teachers (3 hours)	
ED 534: Multicultural Perspectives (3 hours)	
SPED 531: Multicultural Special Ed .....	3
ED 538: Child/Adolescent Development .....	3
ED 557: Action Research I .....	3
ED 558: Action Research II with CRP .....	3

- All M.A. degree-seeking candidates MUST successfully complete a Capstone Research Project (CRP) in order to meet requirements for the degree. The project will be due in the last term of the program.
- Candidates must complete an official degree plan with the Department of Teacher Education and file it by completion of six (6) hours of coursework.
- Candidates requesting transfer or substitution of prior coursework must declare so before their first semester of study. Any subsequent changes to this degree plan must be approved by the chair of the Department of Teacher Education.
- Literacy/Language I & II, Content, and Methods (leveling) courses will be taken by the resident only if needed.

## Master of Arts in Special Education Generalist

The six-semester M.A. in Special Education Generalist leading to a State of Colorado Special Education Generalist (ages 5-21) endorsement equips teachers with the skills and information needed to:

- teach in a general education classroom or self-contained special education classroom
- work in a related field in special education
- teach in partnership in an inclusive education setting

### Degree Requirements

#### Academic Core:

ED 550: Curriculum & Assessment .....	3
ED 571: Educational Research .....	3
ED 549: Educating Diverse Learners .....	3

#### Cognate Requirements:

SPED 526: Behavior Management .....	2
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SPED 553: Behavior Mgmt Internship .....	1
SPED 532: Counsel/Consult/Collaboration .....	3
SPED 551: Mild - Moderate Nds Internship .....	1
SPED 540: Educational Assessment .....	2
SPED 542: Special Education Law .....	2

#### Internship:

SPED 555: Internship - On Site .....	6
SPED 558: Internship - Alternative Site .....	2

#### Added Endorsement Application

1. Complete master's degree and/or endorsement.
2. Pass appropriate PLACE content area exam.
3. Go to [www.cde.state.co.us](http://www.cde.state.co.us) to complete "Application for an Added Endorsement Based on an Approved Program."
4. Fax signature page to the ASU licensure clerk at 719-587-8145.
5. Verification page will be e-mailed to applicant.
6. Complete Colorado Department of Education's application packet online.

## Bachelor of Arts in Early Childhood Education (with Licensure)

### Phases of the Teacher Education Early Childhood Education Program

The phases in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in two settings (i.e., Early Childhood and K-3).

## Phase I: Admission

### Admission Application to Initial Licensure Programs

Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

- Signed Professional Behavior Agreement
- Philosophy statement
- Recommendation form attesting to academic performance (recent ASU instructor)
- Recommendation form attesting to experience working with children (recent employer, supervisor or other instructor)
- Signed degree/licensure plan completed with the Teacher Education Advisor

Applications are accepted once during the spring and fall semesters. Specific dates, admission materials, rubrics, and guidelines are at [teachered.adams.edu](http://teachered.adams.edu).

### Academic Requirements and Prerequisites for Admission

- Current enrollment, in good standing, at Adams State University
- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):
  - ED 230 Lit/Lang Development I
  - PSYC 204 Child Development

#### Additional Prerequisites

- Submission of completed Colorado Bureau of Investigation background check form
- Possession of an Adams State University Department of Teacher Education identification card
- Evidence (signed attendance) of participation in Professional and Ethical Behavior Orientation and acceptance of Professional Conduct Agreement for Field Experience Lab Students

### Phase II: Continuation (Teacher Education Field Experience)

Once admitted to the program, the student must maintain semester and cumulative GPAs of 2.75. Students are placed in Early Childhood Education (ECE) and K-3 classrooms throughout the initial licensure program for a total of 800 field experience hours, as required by the State of Colorado. Field placement hours are a requirement of specific courses in the initial licensure program and include assignments that correspond to the courses.

Field hours must be completed during enrollment in required courses. Placements are in regular K-3 classrooms in Colorado public schools or approved ECE sites during the regular school day. Students are advised to plan their personal schedules in order to be available during school hours.

Students may not initiate their own placement contacts or arrangements. Violation of these guidelines is grounds for suspension or dismissal from the program. Placements are made in a variety of settings and involve the professional judgment of the Field Services Office. Students should anticipate the need to make their own arrangements for transportation to field placements sites. Students will not be placed in schools that they have attended or in which relatives work or are in attendance. This information must be disclosed by the candidate.

### Phase III: Student Teaching

Student teaching is the final phase in the preparation for initial licensure. Student teaching is a full-time, one-semester assignment in ECE and K-3 classrooms. Under the supervision of a mentor teacher, student teachers assume responsibility for instructional planning and student learning. They must also review and modify practice based upon evidence-based theories and strategies in order to insure learning success for all students. In the semester prior to student teaching, candidates complete a written application and provide supporting documents for placement (documents

available at [teachered.adams.edu](http://teachered.adams.edu)). Placement areas are limited to the San Luis Valley. Placements outside the San Luis Valley are by permission only from the Student Review Committee.

#### Student Teaching Requirements

- Be admitted and in good standing in an ASU initial licensure program
- Maintain a 2.75 semester and cumulative GPA
- Pass the appropriate PRAXIS exam by the seventh week of the fall or spring semester prior to student teaching. (The student is responsible for all fees and costs.)
- Have a current signed degree/licensure plan on file in the undergraduate office
- Complete all program coursework with a C or better. Additional information can be found in the departmental [Handbook for Student Teaching and Field Experience](#).

#### Phase IV: Recommendation for Licensure

Upon completing all program requirements, the candidate may be recommended by the Department of Teacher Education to the Colorado Department of Education (CDE) for initial licensure. These requirements include, but are not limited to: all program coursework, proficiencies, field hours, student teaching, a 2.75 cumulative GPA, and graduation.

Application forms for initial licensure are at the [Colorado Department of Education Web site](#). The candidate submits the CDE form and Verification of Completion of Approved Educator Preparation Program to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, the verification form is signed by the Licensure Officer and emailed to the applicant. The candidate is responsible for all fees and costs.

#### Degree Requirements

Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable coursework, 42 hours of which must be upper-division courses.

#### Education Major Courses

Courses completed to meet any other degree or general education requirements cannot be used to fulfill the requirements listed below.

HIST 202: American Hist to 1865 GT-HI1 .....	3
or HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
HPPE 300: Promote a Healthy Environment .....	3
GEOG 300: World Geography .....	3
AR 103: Art Appreciation GT-AH1 .....	3
or ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
or MUS 100: Intro to Music Lit GT-AH1 .....	3
or THTR 180: Intro to Theatre GT-AH1 .....	3
MATH XXX -- above Gen Ed (3 hours) OR	
PSYC 211: Intro to Stats Lecture/Lab .....	4

#### Completion of the following required courses:

ED 230: Lit/Language Development I .....	3
ECE 363: Spanish for Teachers .....	3
ECE 303: Current Issues and Trends EC .....	3
ECE 340: Und/Wrk Diverse Fmly & Comm .....	3
ECE 323: Young Children w/Special Needs .....	3
ECE 333: Tchg/Lrng Eng Lang Lrns .....	3
ECE 353: Play in Early Childhood .....	3
ECE 424: Curriculum and Instruction .....	3
ECE 433: Creating Positive Environments .....	3
ECE 443: DAP and Efct Prcts - Assmt .....	3
ED 345: Educational Psychology .....	3
ECE 401: Integrated Math & Sci Mthds EC .....	2
ECE 402: Adv Lit and Lang Devl .....	2
ECE 403: K-3 Practicum ECE Senior Blk .....	2
ECE 373: Adv Infant & Toddler Devt .....	3
ECE 343: Advocacy and Leadership in EC .....	3
ECE 425: Student Teaching-Early Childh .....	15

#### Bachelor of Arts in Elementary Education

Students preparing to be elementary teachers complete an undergraduate Bachelor of Arts degree in Elementary Education with coursework and field experience in literacy and language, content methods and education practices. An emphasis in one of the following approved academic areas is required:

- art
- literacy
- mathematics
- music
- physical education
- science

- social studies
- Spanish

A [Special Education Generalist Endorsement](#) is offered and requires coursework, field hours, and student teaching in addition to that required for the initial elementary license.

### **Stages of the Teacher Education Undergraduate Program**

The stages in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in the classroom.

#### **Stage I: Admission**

##### **Admission Application to Initial Licensure Programs**

Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

- Belief statement
- Evidence of prior work with children
- Two recommendation forms
- Signed degree/licensure plan completed with the Undergraduate Teacher Education Advisor

Applications are accepted once during the spring and fall semesters. Specific dates, admission materials, rubrics, and guidelines are at [teachered.adams.edu](http://teachered.adams.edu).

##### **Academic Requirements and Prerequisites for Admission**

- Current enrollment, in good standing, at Adams State University
- Technology proficiency requirement completed (Technology Proficiency Exam, CSCI 100 or BUS 120 with a grade of C or better)

- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):
  - ED 200 (30 hours of field experience required)
  - ED 220 (10 hours of field experience required)
  - ED 230 (elementary licensure only)
  - PSYC 204 (elementary licensure only)
  - ENG 101
  - ENG 102
  - MATH 104 or higher

##### **Additional Prerequisites**

- Submission of completed Colorado Bureau of Investigation background check form
- Possession of an Adams State University Department of Teacher Education identification card
- Evidence (signed attendance) of participation in Professional and Ethical Behavior Orientation and acceptance of Professional Conduct Agreement for Field Experience Lab Students

#### **Stage II: Continuation (Teacher Education Field Experience)**

Once admitted to the program, the student must maintain semester and cumulative GPAs of 2.75. Students are placed in K-12 classrooms throughout the initial licensure program for a total of 800 field experience hours, as required by the State of Colorado. Field placement hours are a requirement of specific courses in the initial licensure program and include assignments that correspond to the courses.

Field hours must be completed during enrollment in required courses. All placements are in regular K-12 classrooms in Colorado public schools during the regular school day. Students are advised to plan their personal schedules in order to be available during school hours. All field placements, including student teaching, are made by the Field Services Office.



All contacts with the K-12 schools are made by the Field Services Office. Students may not initiate their own placement contacts or arrangements. Violation of these guidelines is grounds for suspension or dismissal from the program. Placements are made in a variety of settings and involve the professional judgment of the Field Services Office. Students should anticipate the need to make their own arrangements for transportation to field placements sites. Students will not be placed in schools that they have attended or in which relatives work or are in attendance. This information must be disclosed by the candidate.

### Stage III: Student Teaching

Student teaching is the final phase in the preparation for initial licensure. Student teaching is a full-time, one-semester assignment in a K-12 classroom. Under the supervision of a mentor teacher, student teachers assume responsibility for instructional planning and student learning. They must also review and modify practice based upon evidence-based theories and strategies in order to insure learning success for all students. In the semester prior to student teaching, candidates complete a written application and provide supporting documents for placement (documents available at [teachered.adams.edu](http://teachered.adams.edu)). Placement areas are limited to the San Luis Valley. Placements outside the San Luis Valley are by permission only from the Student Review Committee.

#### Student Teaching Requirements

- Be admitted and in good standing in an ASU initial licensure program
- Maintain a 2.75 semester and cumulative GPA
- Pass the appropriate PLACE or PRAXIS II content exam by the seventh week of the fall or spring semester prior to student teaching. (The student is responsible for all fees and costs.)
- Have a current signed degree/licensure plan on file in the undergraduate office
- Complete all program coursework with a C or better. Additional information can be found in the departmental [Handbook for Student Teaching and Field Experience](#).

### Stage IV: Recommendation for Licensure

Upon completing all program requirements, the candidate may be recommended by the Department of Teacher Education to the Colorado Department of Education (CDE) for initial licensure. These requirements include, but are not limited to: all program coursework, proficiencies, field hours, student teaching, a 2.75 cumulative GPA, and graduation.

Application forms for initial licensure are at the [Colorado Department of Education Web site](#). The candidate submits the CDE form and Verification of Completion of Approved Educator Preparation Program to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, the verification form is signed by the Licensure Officer and emailed to the applicant. The candidate is responsible for all fees and costs.

### Degree Requirements

Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable coursework, 42 hours of which must be upper-division courses.

#### Education Major Courses

Courses completed to meet any other degree or general education requirements cannot be used to fulfill the requirements listed below.

HIST 202: American Hist to 1865 GT-HI1 .....	3
or HIST 203: Amer Hist 1865 / Presnt GT-HI1 .....	3
HPPE 300: Promote a Healthy Environment .....	3
GEOG 300: World Geography .....	3
AR 103: Art Appreciation GT-AH1 .....	3
or ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
or MUS 100: Intro to Music Lit GT-AH1 .....	3
or THTR 180: Intro to Theatre GT-AH1 .....	3
MATH XXX -- above Gen Ed (3 hours) OR	
PSYC 211: Intro to Stats Lecture/Lab .....	4

#### Prerequisite to Professional Core

ED 200: Perspectives Teaching/Learning .....	3
ED 220: The Exceptional Learner .....	3
ED 230: Lit/Language Development I .....	3
PSYC 204: Child Development .....	3

## Professional Core

Students must be admitted to the Teacher Education Preparation Program and earn a grade of C or better in each professional education course.

ED 300: Literacy & Language Dev II .....	3
ED 328: Methods/Teaching Math-Elem .....	3
ED 345: Educational Psychology .....	3

## Content Area Emphasis (15-21 credits)

Select an approved content area emphasis with your advisor and complete the corresponding curriculum.

## Senior Block (courses taken concurrently)

ED 310: Methods/Teaching Science-Elem .....	3
ED 404: Literacy and Language Dev III .....	2
ED 414: Class Instruct/Mngmnt - Elem .....	2
ED 424: Elem Ed Practices/Assessment .....	2
ED 434L: Field Experience Lab - Elem .....	3

## Student Teaching

ED 435: Student Teaching-Elementary .....	1 TO 15
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## Student Responsibility

Students entering a program for professional preparation to become a licensed teacher in the State of Colorado are responsible for understanding and following the requirements, procedures, and policies in the most current Adams State University Academic Catalog, the Initial Licensure Handbook, and additional program materials related to their specific licensure program, including their signed degree plan. For questions or clarification, contact the Department of Teacher Education. Failure to read and understand requirements for the program does not excuse students from responsibility for program compliance.

An overview is provided each semester during an information session on basic professional and academic expectations. This is required of all ED 200 students. Evidence of attendance and signed agreement of compliance with requirements, procedures, and policies is required.

Information in the most current Adams State University Academic Catalog, which is accurate at the time of publication, takes precedence over other published ASU information, except in the case of requirements from the State of Colorado and other accrediting agencies.

Before enrolling in any coursework that requires presence in a K-12 classroom for practicum or student teaching, the student must submit a completed set of fingerprints and application for background check through the ASU Department of Teacher Education; forms are available in the Undergraduate Teacher Education office.

## Academic and Professional Standards

While enrolled in prerequisite courses in the Department of Education, admission to the initial licensure programs, placement in schools for field experience, and during student teaching, students are expected to maintain academic and professional standards in accord with the profession of teaching.

Expectations include, but are not limited to:

- Adherence to the ASU Code of Conduct regarding academic performance, including academic honesty and professional conduct
- Maintaining the minimum semester and cumulative GPA of 2.75
- Compliance to professional attitudes and dispositions (see Teacher Professionalism Rubric)
- Demonstration of state mandated teaching competencies (Performance Based Standards for Colorado Teachers) [www.cde.state.co.us](http://www.cde.state.co.us)
- Knowledge of school and district rules for teacher behavior.
- Direct supervision by a licensed classroom teacher while working with K-12 students during practicum assignments and student teaching. The classroom teacher must be immediately accessible. Personal involvement in the K-12 setting, e.g., parental involvement or substitute teaching, must be clearly separated from practicum and student teaching.
- Appropriate interactions with students. Note: The faculty reserves the right to suspend, place on probation or remove from the program any

candidate who, in their professional judgment, fails to satisfy requirements of scholarship, performance, academic or professional ethics or integrity or personal suitability. The principal or teacher at a host school may request the removal of a candidate at any time.

Students are urged to confer with assigned advisors early and often concerning the progress of their programs. It is necessary to consult with the Department of Teacher Education to receive information about the admissions process and courses which are prerequisites to the professional core and courses required in the professional core.

## Bachelor of Arts with K-12 Education Licensure

Degree majors:

- [Art Education](#)
- [Music Education](#)
- [Physical Education](#)

Students preparing to teach music, art or physical education across K-12 must complete an undergraduate degree in one of those fields with coursework and field experience in educational practices, content area literacy, and content methods.

Undergraduate students typically enter the Teacher Education Undergraduate Program in their sophomore or junior year, after completing general education requirements, content coursework, and requirements for the academic major. Once all prerequisites have been met, the student may apply for admission to the Teacher Education Preparation Program. If admitted, the student follows the stages of the program for completion of the Professional Core and student teaching.

Prerequisite to Professional Core

ED 200: Perspectives Teaching/Learning ..... 3  
 ED 220: The Exceptional Learner ..... 3

Professional Core

Students must be admitted to the Teacher Education Preparation Program and earn a grade of C or better in each professional education course.

Professional core courses must be taken concurrently.

ED 416: Sec/K-12 Class Instruct/Mngmnt ..... 2  
 ED 426: Sec/K-12 Ed Practice/Assmnt ..... 2  
 ED 429: Content Area Literacy ..... 2  
 ED 436L: Field Experience Lab-Sec/K-12 ..... 3

Content Methods in appropriate subject (3-9 credits)

ED 455: Student Teaching K-12 ..... 1 TO 15

## Stages of the Teacher Education Undergraduate Program

The stages in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in the classroom.

### Stage I: Admission

#### Admission Application to Initial Licensure Programs

Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

- Belief statement
- Evidence of prior work with children
- Two recommendation forms
- Signed degree/licensure plan completed with the Undergraduate Teacher Education Advisor

Applications are accepted once during the spring and fall semesters. Specific dates, admission materials, rubrics, and guidelines are at [teachered.adams.edu](http://teachered.adams.edu).

## Academic Requirements and Prerequisites for Admission

- Current enrollment, in good standing, at Adams State University
- Technology proficiency requirement completed (Technology Proficiency Exam, CSCI 100 or BUS 120 with a grade of C or better)
- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):
  - ED 200 (30 hours of field experience required)
  - ED 220 (10 hours of field experience required)
  - ED 230 (elementary licensure only)
  - PSYC 204 (elementary licensure only)
  - ENG 101
  - ENG 102
  - MATH 104 or higher

### Additional Prerequisites

- Submission of completed Colorado Bureau of Investigation background check form
- Possession of an Adams State University Department of Teacher Education identification card
- Evidence (signed attendance) of participation in Professional and Ethical Behavior Orientation and acceptance of Professional Conduct Agreement for Field Experience Lab Students

## Stage II: Continuation (Teacher Education Field Experience)

Once admitted to the program, the student must maintain semester and cumulative GPAs of 2.75. Students are placed in K-12 classrooms throughout the initial licensure program for a total of 800 field experience hours, as required by the State of Colorado. Field placement hours are a requirement of specific courses in the initial licensure program and include assignments that correspond to the courses.

Field hours must be completed during enrollment in required courses. All placements are in regular K-12 classrooms in Colorado public schools during the regular school day. Students are advised to plan their personal schedules in order to be available during school hours. All field placements, including student teaching, are made by the Field Services Office.

All contacts with the K-12 schools are made by the Field Services Office. Students may not initiate their own placement contacts or arrangements. Violation of these guidelines is grounds for suspension or dismissal from the program. Placements are made in a variety of settings and involve the professional judgment of the Field Services Office. Students should anticipate the need to make their own arrangements for transportation to field placements sites. Students will not be placed in schools that they have attended or in which relatives work or are in attendance. This information must be disclosed by the candidate.

## Stage III: Student Teaching

Student teaching is the final phase in the preparation for initial licensure. Student teaching is a full-time, one-semester assignment in a K-12 classroom. Under the supervision of a mentor teacher, student teachers assume responsibility for instructional planning and student learning. They must also review and modify practice based upon evidence-based theories and strategies in order to insure learning success for all students. In the semester prior to student teaching, candidates complete a written application and provide supporting documents for placement (documents available at [teachered.adams.edu](http://teachered.adams.edu)). Placement areas are limited to the San Luis Valley. Placements outside the San Luis Valley are by permission only from the Student Review Committee.

### Student Teaching Requirements

- Be admitted and in good standing in an ASU initial licensure program
- Maintain a 2.75 semester and cumulative GPA
- Pass the appropriate PLACE or PRAXIS II content exam by the seventh week of the fall or spring

semester prior to student teaching. (The student is responsible for all fees and costs.)

- Have a current signed degree/licensure plan on file in the undergraduate office
- Complete all program coursework with a C or better. Additional information can be found in the departmental [Handbook for Student Teaching and Field Experience](#).

#### **Stage IV: Recommendation for Licensure**

Upon completing all program requirements, the candidate may be recommended by the Department of Teacher Education to the Colorado Department of Education (CDE) for initial licensure. These requirements include, but are not limited to: all program coursework, proficiencies, field hours, student teaching, a 2.75 cumulative GPA, and graduation.

Application forms for initial licensure are at the [Colorado Department of Education Web site](#). The candidate submits the CDE form and Verification of Completion of Approved Educator Preparation Program to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, the verification form is signed by the Licensure Officer and emailed to the applicant. The candidate is responsible for all fees and costs.

#### **Student Responsibility**

Students entering a program for professional preparation to become a licensed teacher in the State of Colorado are responsible for understanding and following the requirements, procedures, and policies in the most current Adams State University Academic Catalog, the Initial Licensure Handbook, and additional program materials related to their specific licensure program, including their signed degree plan. For questions or clarification, contact the Department of Teacher Education. Failure to read and understand requirements for the program does not excuse students from responsibility for program compliance.

An overview is provided each semester during an information session on basic professional and academic expectations. This is required of all ED 200 students. Evidence of attendance and signed agreement of

compliance with requirements, procedures, and policies is required.

Information in the most current Adams State University Academic Catalog, which is accurate at the time of publication, takes precedence over other published ASU information, except in the case of requirements from the State of Colorado and other accrediting agencies.

Before enrolling in any coursework that requires presence in a K-12 classroom for practicum or student teaching, the student must submit a completed set of fingerprints and application for background check through the ASU Department of Teacher Education; forms are available in the Undergraduate Teacher Education office.

#### **Academic and Professional Standards**

While enrolled in prerequisite courses in the Department of Education, admission to the initial licensure programs, placement in schools for field experience, and during student teaching, students are expected to maintain academic and professional standards in accord with the profession of teaching.

Expectations include, but are not limited to:

- Adherence to the ASU Code of Conduct regarding academic performance, including academic honesty and professional conduct
- Maintaining the minimum semester and cumulative GPA of 2.75
- Compliance to professional attitudes and dispositions (see Teacher Professionalism Rubric)
- Demonstration of state mandated teaching competencies (Performance Based Standards for Colorado Teachers) [www.cde.state.co.us](http://www.cde.state.co.us)
- Knowledge of school and district rules for teacher behavior.
- Direct supervision by a licensed classroom teacher while working with K-12 students during practicum assignments and student teaching. The classroom teacher must be immediately accessible. Personal involvement in the K-12 setting, e.g., parental involvement or substitute teaching, must be clearly separated from practicum and student teaching.

- Appropriate interactions with students. Note: The faculty reserves the right to suspend, place on probation or remove from the program any candidate who, in their professional judgment, fails to satisfy requirements of scholarship, performance, academic or professional ethics or integrity or personal suitability. The principal or teacher at a host school may request the removal of a candidate at any time.

Students are urged to confer with assigned advisors early and often concerning the progress of their programs. It is necessary to consult with the Department of Teacher Education to receive information about the admissions process and courses which are prerequisites to the professional core and courses required in the professional core.

### **Bachelor of Arts with Secondary Education Licensure**

Students preparing to teach in a content area, grades 7-12, must complete an undergraduate degree in a state-approved content area (business, English, mathematics, science, social studies, foreign language) with coursework and field experience in educational practices, content area literacy, and content methods. Available degree majors for the secondary teacher licensure program are biology, business administration, chemistry, earth science, English, history/government (social studies emphasis), mathematics, Spanish, and theatre.

Students must complete their academic major requirements as well as the following education course requirements.

- Academic Major Requirements:
  - [Business](#)
  - [English](#)
  - [Mathematics \(Track 1 - High School\)](#)
  - [Mathematics \(Track 2 - Middle School\)](#)
  - [Science \(Biology Major\)](#)
  - [Science \(Chemistry Major\)](#)
  - [Science \(Earth Science Major\)](#)
  - [Social Studies \(History/Anthropology/Political Science Major\)](#)
  - [Spanish](#)

- [Theatre \(Secondary English Licensure\)](#)

Prerequisite to Professional Core

ED 200: Perspectives Teaching/Learning .....	3
ED 220: The Exceptional Learner .....	3

Professional Core

Students must be admitted to the Teacher Education Preparation Program and earn a grade of C or better in each professional education course.

Professional core courses must be taken concurrently.

ED 416: Sec/K-12 Class Instruct/Mngmnt .....	2
ED 426: Sec/K-12 Ed Practice/Assmnt .....	2
ED 429: Content Area Literacy .....	2
ED 436L: Field Experience Lab-Sec/K-12 .....	3

Content Methods in appropriate subject (3 credits)

ED 445: Student Teaching-Secondary .....	1 TO 15
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### **Stages of the Teacher Education Undergraduate Program**

The stages in the program provide for sequential development of research based knowledge about student learning and instructional practice. The program of preparation for initial licensure begins with an introduction to teaching and education in a series of prerequisite courses in education. Coursework taken after admission to the program provides a research-based foundation that is both theoretical and practical, for student teaching. Student teaching is a one-semester, full-time practicum in the classroom.

#### **Stage I: Admission**

#### **Admission Application to Initial Licensure Programs**

Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

- Belief statement
- Evidence of prior work with children
- Two recommendation forms

- Signed degree/licensure plan completed with the Undergraduate Teacher Education Advisor

Applications are accepted once during the spring and fall semesters. Specific dates, admission materials, rubrics, and guidelines are at [teachered.adams.edu](http://teachered.adams.edu).

### **Academic Requirements and Prerequisites for Admission**

- Current enrollment, in good standing, at Adams State University
- Technology proficiency requirement completed (Technology Proficiency Exam, CSCI 100 or BUS 120 with a grade of C or better)
- Complete 30 hours of undergraduate coursework from an accredited college or university prior to the semester of application to program
- Cumulative and semester GPA of 2.75 or better
- Completion of the following pre-requisite courses with a grade of C or better (note: C- is below the requirement):
  - ED 200 (30 hours of field experience required)
  - ED 220 (10 hours of field experience required)
  - ED 230 (elementary licensure only)
  - PSYC 204 (elementary licensure only)
  - ENG 101
  - ENG 102
  - MATH 104 or higher

#### **Additional Prerequisites**

- Submission of completed Colorado Bureau of Investigation background check form
- Possession of an Adams State University Department of Teacher Education identification card
- Evidence (signed attendance) of participation in Professional and Ethical Behavior Orientation and acceptance of Professional Conduct Agreement for Field Experience Lab Students

### **Stage II: Continuation (Teacher Education Field Experience)**

Once admitted to the program, the student must maintain semester and cumulative GPAs of 2.75.

Students are placed in K-12 classrooms throughout the initial licensure program for a total of 800 field experience hours, as required by the State of Colorado. Field placement hours are a requirement of specific courses in the initial licensure program and include assignments that correspond to the courses.

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### **Stage III: Student Teaching**

Student teaching is the final phase in the preparation for initial licensure. Student teaching is a full-time, one-semester assignment in a K-12 classroom. Under the supervision of a mentor teacher, student teachers assume responsibility for instructional planning and student learning. They must also review and modify practice based upon evidence-based theories and strategies in order to insure learning success for all students. In the semester prior to student teaching, candidates complete a written application and provide supporting documents for placement (documents available at [teachered.adams.edu](http://teachered.adams.edu)). Placement areas are limited to the San Luis Valley. Placements outside the San Luis Valley are by permission only from the Student Review Committee.

Student Teaching Requirements

- Be admitted and in good standing in an ASU initial licensure program
- Maintain a 2.75 semester and cumulative GPA
- Pass the appropriate PLACE or PRAXIS II content exam by the seventh week of the fall or spring semester prior to student teaching. (The student is responsible for all fees and costs.)
- Have a current signed degree/licensure plan on file in the undergraduate office
- Complete all program coursework with a C or better. Additional information can be found in the departmental [Handbook for Student Teaching and Field Experience](#).

#### **Stage IV: Recommendation for Licensure**

Upon completing all program requirements, the candidate may be recommended by the Department of Teacher Education to the Colorado Department of Education (CDE) for initial licensure. These requirements include, but are not limited to: all program coursework, proficiencies, field hours, student teaching, a 2.75 cumulative GPA, and graduation.

Application forms for initial licensure are at the [Colorado Department of Education Web site](#). The candidate submits the CDE form and Verification of Completion of Approved Educator Preparation Program to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, the verification form is signed by the Licensure Officer and emailed to the applicant. The candidate is responsible for all fees and costs.

#### **Student Responsibility**

Students entering a program for professional preparation to become a licensed teacher in the State of Colorado are responsible for understanding and following the requirements, procedures, and policies in the most current Adams State University Academic Catalog, the Initial Licensure Handbook, and additional program materials related to their specific licensure program, including their signed degree plan. For questions or clarification, contact the Department of Teacher Education. Failure to read and understand requirements for the program does not excuse students from responsibility for program compliance.

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Before enrolling in any coursework that requires presence in a K-12 classroom for practicum or student teaching, the student must submit a completed set of fingerprints and application for background check through the ASU Department of Teacher Education; forms are available in the Undergraduate Teacher Education office.

#### **Academic and Professional Standards**

While enrolled in prerequisite courses in the Department of Education, admission to the initial licensure programs, placement in schools for field experience, and during student teaching, students are expected to maintain academic and professional standards in accord with the profession of teaching.

Expectations include, but are not limited to:

- Adherence to the ASU Code of Conduct regarding academic performance, including academic honesty and professional conduct
- Maintaining the minimum semester and cumulative GPA of 2.75
- Compliance to professional attitudes and dispositions (see Teacher Professionalism Rubric)
- Demonstration of state mandated teaching competencies (Performance Based Standards for Colorado Teachers) [www.cde.state.co.us](http://www.cde.state.co.us)
- Knowledge of school and district rules for teacher behavior.
- Direct supervision by a licensed classroom teacher while working with K-12 students during practicum assignments and student teaching. The classroom teacher must be



immediately accessible. Personal involvement in the K-12 setting, e.g., parental involvement or substitute teaching, must be clearly separated from practicum and student teaching.

- Appropriate interactions with students. Note: The faculty reserves the right to suspend, place on probation or remove from the program any candidate who, in their professional judgment, fails to satisfy requirements of scholarship, performance, academic or professional ethics or integrity or personal suitability. The principal or teacher at a host school may request the removal of a candidate at any time.

Students are urged to confer with assigned advisors early and often concerning the progress of their programs. It is necessary to consult with the Department of Teacher Education to receive information about the admissions process and courses which are prerequisites to the professional core and courses required in the professional core.

## **Special Education Generalist Endorsement**

Professionals who hold an active Colorado teaching license and who meet the requirements for admission to the university will be granted admission to the added endorsement program in special education generalist.

Completion of all requirements for Elementary  
Education Licensure

Completion of Special Education Content Area Emphasis  
(35 credits)

SPED 341: SPED for the Diverse Student .....	2
SPED 342: Teaching the SPED Student .....	3
SPED 343: Behavioral Mngmnt & Instruct .....	3
SPED 344: Domains of Learning .....	3
SPED 440: Assessment in SPED .....	3
SPED 463: Special Education Law .....	3
SPED 494: Current Trends/Issues in SPED .....	3

Completion of 12 chosen hours in licensure content  
area

SPED 495: Student Teaching in SPED .....	6
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# Theatre

Chairperson: David MacWilliams, Ph.D. (Program Director: John Taylor, Ph.D. )  
 Professor(s): John Taylor, Ph.D., Program Director of Theatre  
 Associate Professor(s): Jenna Neilsen, M.F.A.  
 Assistant Professor(s): David Gerke, M.F.A.  
 Instructors: James Willis, Jr.  
 Telephone: (719) 587-7382  
<http://adams.edu/academics/theatre>  
 E-mail: [jhtaylor@adams.edu](mailto:jhtaylor@adams.edu)

The Theatre Program at Adams State University is known across the country as an outstanding program that prepares actors, directors, designers, and technicians for graduate schools, teaching, and for the profession itself. The program is housed in one of the premier facilities in the region: a state-of-the-art building, which opened in 2001. This intensive program offers classroom instruction allowing students to engage in all areas of study. A rigorous production schedule, which includes many student-directed productions, allows students to achieve complete performance training throughout their college careers. The program has won numerous awards at the Rocky Mountain Theatre Festival. One of the greatest points of the program is its small class size and personal attention that each student receives.

## Bachelor of Arts in Theatre

### Degree Requirements

Completion of requirements for a bachelor's degree

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

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

Completion of the following required courses:

THTR 210: Stage Makeup .....	3
THTR 223: Beginning Acting .....	3
THTR 242: Voice for Performance .....	3
THTR 285: Stage and Theatre Management .....	3
THTR 430: Business of Theatre .....	3
THTR 480: Dramatic Theory and Criticism .....	3
THTR 490: Senior Thesis .....	3

Completion of six semester hours from each section (Section A, B & C)

### Section A

THTR 333: Theatre Design .....	3
THTR 335: Theatre Practicum .....	1 TO 3
THTR 340: Costume Design .....	3
THTR 351: Stagecraft .....	3

### Section B

THTR 250: Cinema .....	3
ENG 329: Women and Drama .....	3
or THTR 329: Women and Drama .....	3
SPCH 330: Directing Forensics/Debate .....	3
THTR 375: Creative Dramatics .....	3
THTR 385: Play Direction .....	3

Plus 3 hours from the following:

THTR 279: Special Topics .....	1 TO 6
or THTR 379: Special Topics .....	1 TO 6

### Section C

THTR 205: Improvisational Acting .....	3
THTR 288: Intermediate Acting I .....	3
THTR 310: Intermediate Acting II .....	3
THTR 325: Styles of Acting .....	3
THTR 347: Theatre and Social Change .....	3
THTR 368: Performance Art .....	3

Completion of six semester hours from the following:

THTR 401: Theatre Hist:Begin Thru 17th C .....	3
THTR 402: Theat Hist:18th Cent-Pres Day .....	3

THTR 403: Shakespeare .....	3
or ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
THTR 465: Modern Drama .....	3
THTR 470: Classical Drama .....	3
THTR 472: Contemporary Drama .....	3

## **Bachelor of Arts in Theatre/Secondary English Licensure**

### **Degree Requirements**

Completion of requirements for a bachelor's degree

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

Completion of the secondary teacher licensure requirements.

### [Bachelor of Arts with Secondary Education Licensure](#)

Completion of the following courses:

SPCH 100: Speech Fundamentals .....	3
THTR 210: Stage Makeup .....	3
THTR 223: Beginning Acting .....	3
THTR 310: Intermediate Acting II .....	3
SPCH 330: Directing Forensics/Debate .....	3
THTR 351: Stagecraft .....	3
THTR 375: Creative Dramatics .....	3
THTR 385: Play Direction .....	3
THTR 490: Senior Thesis .....	3
THTR 333: Theatre Design .....	3
or THTR 340: Costume Design .....	3
ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
ENG 226: Basic Grammar & Hist:English .....	3
ENG 309: Eng Lit I:Beowulf-Trans Write .....	3
or ENG 310: English Lit: Romance to Modern .....	3
ENG 316: Methods/English in Sec School .....	3
ENG 394: American Literature I .....	3
or ENG 395: American Literature II .....	3

ENG 403: Shakespeare .....	3
or ENG 203: Major Themes in Lit GT-AH2 .....	3 TO 6
ENG 365: Ethnic & Minority Literature .....	3
or ENG 375: Chicano Literature .....	3
or ENG 385: Women and Literature .....	3
or ENG 472: Contemporary Drama .....	3
or THTR 472: Contemporary Drama .....	3
or ENG 329: Women and Drama .....	3
or THTR 329: Women and Drama .....	3
ENG 227: Intro to Creative Writing .....	3
or ENG 363: Advanced Composition .....	3
or ENG 416: The Teaching of Writing .....	3

## **Associate of Arts in Theatre**

### **Degree Requirements**

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

Completion of the following courses:

THTR 210: Stage Makeup .....	3
THTR 213: Oral Interpretation of Lit .....	3
THTR 223: Beginning Acting .....	3
THTR 242: Voice for Performance .....	3
THTR 288: Intermediate Acting I .....	3

Completion of portfolio requirements as specified by department minor in theatre.

## **Minor in Theatre**

The minor in theatre arts is offered for those who wish to be more effective in communicating the knowledge of their major. The minor is highly relevant and practical in combination with other majors such as business, government, sociology, English, guidance and counseling, music, journalism, education, speech correction, health, physical education and recreation, and all pre-professional studies. Courses are to be selected in consultation with the program chair.

## **Women's Studies**

Chairperson: Edward Crowther, Ph.D. (Program Contact:  
Mari Centeno, Ph.D.)

Telephone: (719) 587-7923

[http://adams.edu/academics/english/womens\\_studies.php](http://adams.edu/academics/english/womens_studies.php)

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

The minor in women's studies is an interdisciplinary program designed to examine the position of women in culture and society, to integrate a new understanding of women into traditional academic fields, and to heighten the student's awareness of the range of human experience, potential, and accomplishment. Other related courses in consultation with the women's studies advisor may be substituted.

### **Minor in Women and Gender Studies**

#### **Women's Studies Track**

##### **Degree Requirements**

Students must take 18 semester hours, approved by the advisor and the department head, from the following list of courses. Many special topics courses (numbered 379) can be approved by the department chair.

##### Required Course

WS 201: Women's Studies ..... 3  
ENG 320: Literature & Sexualities ..... 3

##### Two of the following courses (6 hours)

AR 367: Women Artists in Art History ..... 3  
POLS 393: Women, Politics and Culture ..... 3  
SOC 318: Race, Class, and Gender ..... 3  
PSYC 360: Psychology of Gender ..... 3

##### One of the following courses (3 hours)

ENG 403: Shakespeare ..... 3  
COMM 420: Rhetoric of Popular Culture ..... 3  
COMM 430: Diversity in Media ..... 3

##### One of the following courses (3 hours)

ENG 385: Women and Literature ..... 3  
SOC 419: Gender and Society ..... 3  
PSYC 375: Human Sexuality ..... 3  
HIST 320: History of American Women ..... 3  
BUS 394: Women & Pwr:Gender, Bus, Ldrshp ..... 3

#### **Gender and Sexuality Studies Track**

##### Required Course

WS 201: Women's Studies ..... 3  
ENG 320: Literature & Sexualities ..... 3

##### Two of the following courses (6 hours)

ENG 403: Shakespeare ..... 3  
COMM 420: Rhetoric of Popular Culture ..... 3  
COMM 430: Diversity in Media ..... 3  
PSYC 360: Psychology of Gender ..... 3

##### One of the following courses (3 hours)

AR 367: Women Artists in Art History ..... 3  
HIST 320: History of American Women ..... 3  
SOC 318: Race, Class, and Gender ..... 3

##### One of the following courses (3 hours)

ENG 385: Women and Literature ..... 3  
SOC 419: Gender and Society ..... 3  
PSYC 375: Human Sexuality ..... 3  
POLS 393: Women, Politics and Culture ..... 3  
BUS 394: Women & Pwr:Gender, Bus, Ldrshp ..... 3

## ***Gen Ed Requirements (Undergraduates)***

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

### ***Institutional Learning Outcomes***

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

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

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

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

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

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

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

- Creative thinking is both the capacity to combine or synthesize existing ideas, images, or expertise in original ways and the experience of thinking, reacting, and working in an

imaginative way characterized by a high degree of innovation, divergent thinking, and risk taking.

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

- Written communication is the development and expression of ideas in writing. Written communication involves learning to work in many genres and styles. It can involve working with many different writing technologies, and mixing texts, data, and images. Written communication abilities develop through iterative experiences across the curriculum.

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

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

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

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

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

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

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

- Civic engagement is "working to make a difference in the civic life of our communities and developing the combination of knowledge, skills, values, and motivation to make that difference. It means promoting the quality of

life in a community, through both political and non-political processes." (*Excerpted from Civic Responsibility and Higher Education, edited by Thomas Ehrlich, published by Oryx Press, 2000, Preface, page vi.*) In addition, civic engagement encompasses actions wherein individuals participate in activities of personal and public concern that are both individually life enriching and socially beneficial to the community.

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

- Lifelong learning is "all purposeful learning activity, undertaken on an ongoing basis with the aim of improving knowledge, skills and competence". An endeavor of higher education is to prepare students to be this type of learner by developing specific dispositions and skills described in this rubric while in school. (*From The European Commission. 2000*)

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

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

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

- Integrative learning is an understanding and a disposition that a student builds across the curriculum and co-curriculum, from making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus;

Demonstrated through the application of knowledge, skills, and responsibilities to new and familiar settings and through addressing complex problems.

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

## ***Faculty, Staff and Administration***

### **Faculty**

To contact faculty and staff, please visit

[directory.adams.edu](http://directory.adams.edu).

**Aaron Abeyta** (14-AUG-2002) *Professor of English*. B.A. English, Colorado State University, 1994; M.F.A. Creative Writing, Colorado State University, 1997.

**Sheryl Abeyta** (20-AUG-2009) *Assistant Professor of Accounting*. B.S. Adams State College, 1990; M.T. Taxation (Accounting), University of Denver, 2004.

**Christopher Adams** (18-AUG-2011) *Associate Professor of Chemistry*. B.S. Adams State College, 2006; Ph.D. Chemical Physics, University of Colorado, 2011.

**Karen Adamson** (15-AUG-2013) *Assistant Professor of Nursing*. B.S.N. San Diego State University, 1992; M.S.N. Nursing, Drexel University, 2009.

**Stephen Aldrich** (25-AUG-2005) *Professor of Mathematics*. B.A. Colorado State University-Pueblo, 1995; M.A. University of Kentucky, 1997; Ph.D. Mathematics, University of Kentucky, 2000.

**Courtney Allen** (20-AUG-2015) *Assistant Professor of Counselor Education*. B.S. University of Florida, 1998; M.Ed. University of Florida, 2002; Ph.D. Counseling and Counselor, University of Florida, 2015.

**Anicia Alvarez** (20-AUG-2009) *Associate Professor of Education*. B.S. Zamboanga State College-Philippines, 1966; M.A. Western Mindanao State University-Philippines, 1974; M.A. Ateneo University-Philippines, 2002; Ph.D. English, Purdue University, 1980.

**Leslie (Cramblet) Alvarez** (25-AUG-2006) *Professor of Psychology*. B.A. Southwestern University, 1998; E.D.M. Northern Arizona University, 2002; Ph.D. Psychology, Northern Arizona University, 2005.

**Meredith Anderson** (20-AUG-2015) *Assistant Professor of Mathematics*. B.S. The Ohio State University, 2008; M.S. New Mexico State University, 2011; Ph.D. Mathematics, New Mexico State University, 2015.

**Timothy Armstrong** (26-JUN-1996) *Professor of Biology*. B.S. Mesa State College, 1986; M.S. University of Massachusetts-

Amherst, 1989; Ph.D. Biology, University of Massachusetts-Amherst, 1994.

**Robert Astalos** (25-AUG-2005) *Professor of Mathematics and Physics*. B.S. Georgia Inst of Technology, 1985; M.S. Virginia Tech & State University, 2000; Ph.D. Physics, Virginia Tech & State University, 2001.

**George Backen** (25-AUG-2005) *Professor of Philosophy*. B.A. Eastern Washington University, 1995; M.A. Ohio University, 1998; J.D. State University of New York, 2003; Ph.D. Philosophy, State University of NY-Buffalo, 2005.

**Richard Baker** (09-AUG-1994) *Professor of English*. B.A. San Diego State University, 1972; M.A. University of Colorado-Boulder, 1980; Ph.D. English, University of Colorado-Boulder, 1991.

**Don Basse** (22-AUG-1985) *Professor of Counselor Education*. B.A. Henderson State University, 1973; M.S. Ouachita Baptist University, 1974; Ed.D. Education, University of Arkansas, 1979.

**Jared Beeton** (16-AUG-2007) *Professor of Earth Science*. B.S. Kansas State University, 2000; M.A. University of Northern Colorado, 2003; Ph.D. University of Kansas, 2007.

**Renee Beeton** (16-AUG-2007) *Associate Professor of Chemistry*. B.S. North Dakota State University, 2002; Ph.D. Chemical Education, University of Northern Colorado, 2007.

**Allison Bennett** (01-MAR-2010) *Nursing Simulation Laboratory Coordinator*. B.A. Christopher Newport University, 2000; R.N. Riverside School of Professional Nursing, 2002.

**Robert Benson** (14-MAY-1997) *Professor of Earth Sciences*. B.S. University of Washington, 1981; M.S. University of Idaho, 1985; Ph.D. Colorado School of Mines, 1997.

**Beth Bonnstetter** (21-AUG-2008) *Associate Professor of Communication*. B.A. Regis University, 1999; M.A. Colorado State University, 2005, Ph.D. Communications, University of Minnesota, 2008.

**Benita Brink** (08-JUL-1994) *Professor of Biology*. B.S. Aquinas College, 1984; Ph.D. Marquette University, 1989.

**Laura Bruneau** (18-JULY-2007) *Professor of Counselor Education*. B.A. Miami University, 1998; M.Ed. Kent State University, 2002; Ph.D. Kent State University, 2007.

**Zena Buser** (16-AUG-2007) *Professor of Business*. B.S. Northwest Oklahoma State University, 1996; M.S. West Texas A&M University, 2002; Ph.D. West Texas A&M University, 2007.

**Mari Centeno** (25-AUG-2004) *Professor of Political Science*. B.A. Purdue University, 1993; M.A. Arizona State University, 1996; Ph.D. Arizona State University, 2003.

**Kathleen Chavez** (17-AUG-2012) *Instructor of English*. M.A. English, Adams State College.

**Comfort Cover** (14-AUG-2008) *Assistant Professor of Computer Science*. B.S. University of Nebraska, 1984; M.B.A. Regis University, 1994; Ph.D. Management Information Systems, University of Phoenix, 2010.

**Edward Crowther** (08-JUN-1988) *Professor of History*. B.A. Mississippi College, 1980; M.A. Mississippi College, 1981; Ph.D., Auburn University, 1986.

**Robert Demski** (14-AUG-2002) *Professor of Psychology*. B.A. Oregon State University, 1980; M.A. Ohio University, 1975; Ph.D. Texas Tech University, 1998.

**Margaret Doell** (14-AUG-1996) *Professor of Art*. B.F.A. University of Manitoba, 1989; M.F.A. Concordia University, 1993.

**James Doyle** (01-FEB-2008) *Assistant Professor of Music*. B.A. University of Central Missouri, 1998; M.M. Music, Louisiana State University, 2000.

**Tracy Doyle** (25-AUG-2005) *Chair and Professor of Music*. B.A. University of Massachusetts-Amherst, 1995; M.M. University of Massachusetts-Amherst, 1998; D.M.A. Music, Louisiana State University/A&M-Baton Rouge, 2005.

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**Jeffrey Elison** (13-JAN-2011) *Associate Professor of Psychology*. B.S. Kutztown University, 1983; M.A. University of Northern Colorado, 2000; Ph.D. Psychology, University of Northern Colorado, 2003.

**Roger Eriksen**(25-AUG-2004) *Associate Professor of Art*. B.A. Loyola Marymount University, 1978; M.F.A. Art, University of Idaho, 2002.

**Curtis Garcia** (AUG-2015) *Assistant Professor of Education*. B.A. Yale University, 2008; M.A. Education: Educational Leadership, Adams State University, 2011.

**Joel Givens** (21-AUG-2014) *Assistant Professor of Counselor Education*. B.A. Wheaton College, 1999; M.A. Counselor Education, Duquesne University, 2000; Ph.D. University of Northern Colorado, 2015.

**Richard Goddard** (25-AUG-2004) *Professor of Social Studies*. B.A. Wayne State University, 1971; M.A. University of Arizona, 1973; Ph.D. Anthropology, University of Nevada-Reno, 1999.

**Lillian Gomez** (21-AUG-2003) *Title V Specialist*. M.A. Adams State College, 2002.

**Javier Gonzalez** (15-AUG-2003) *Visiting Assistant Professor of Education*. B.A. Adams State College, 2002; M.A. Adams State College, 2007.

**Nancy Gonzalez** (15-AUG-2016) *Assistant Professor of Sociology*. B.A. University of La Verne, 2005; M.A. California State University-Long Beach, 2011; Ph.D. University of Oklahoma-Norma

**Elizabeth Hensley** (14-AUG-2008) *Assistant Professor of Business*. B.S. Adams State College, 2005; M.B.A. Arizona State University, 2007; Ph.D. Organization and Management with Specialization in Management Education, Capella University, 2016.

**Stephanie Hensley** (15-AUG-2012) *Assistant Professor of Teacher Education*. B.A. Adams State College, 1993; M.A. Adams State College, 2001; Ph.D. Education with Specialization in K-12, Capella University, 2016.

**William Herrmann** (14-AUG-2008) *Assistant Professor of Accounting*. C.P.A.; B.B. Western Illinois University, 1973; M.B.A. Accounting, Western Illinois University, 1999.

**Stephanie Hilwig** (21-AUG-2003) *Professor of Sociology*. B.A. Adams State College, 1994; M.A. California State University-Fullerton, 1999; Ph.D. Sociology, University of Tennessee-Knoxville, 2003.

**Matthew Ikle** (14-AUG-1996) *Professor of Mathematics*. B.A. Reed College, 1982; M.A. University of Wisconsin-Madison, 1989; Ph.D. Mathematics, University of Wisconsin-Madison, 1993.



**Peggy Johnson** (24-AUG-2009) *Visiting Instructor of Human Performance and Physical Education*. B.S.Ed. Southwest Missouri State University, 1975; M.S. University of Missouri-Columbia, 1993.

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**William Lipke** (06-JUL-2001) *Professor of Music*. B.A. University of Arizona, 1982; M.M. University of Cincinnati, 1984; D.M.A. University of Cincinnati, 1990.

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**Mark Manzanares** (25-AUG-2003) *Professor of Counselor Education*. B.A. Adams State College, 1989; M.A. Adams State College, 1992; Ph.D. Colorado State University, 2004

**Michael Martin** (28-JUN-1988) *Professor of Sociology*. B.S. Texas A & M University-Main Campus, 1973; M.A. Louisiana State University, 1975; Ph.D. Washington State University, 1979; M.S.S.W. University of Texas at Austin, 1985.

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**Matt Nehring** (12-AUG-1998) *Professor of Physics*. B.S. Colorado School of Mines, 1990; Ph.D. University of Colorado-Boulder, 1995.

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**Patricia Robbins** (14-AUG-2008) *Associate Professor of Business*. A.A.S. Otero Junior College, 1974; B.A. Adams State

College, 1993; M.A. Adams State College, 1996; Ph.D. Kennedy Western University, 1999.

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**Matthew Schildt** (25-AUG-2005) *Professor of Music*. B.A. Lebanon Valley College, 1998; M.A. Kent State University, 2000; Ph.D. Kent State University, 2005.

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**George Sellman** (08-JUL-1986) *Assistant Professor of Computer Science*. B.S. University of California- Berkeley, 1980; M.S. University of California-Santa Barbara, 1983.

**Matthew Steffenson** (21-AUG-2014) *Assistant Professor of Biology*. B.S. Siena College, 2006; M.S. Tennessee

Technological University, 2009; Ph.D. University of Texas at Arlington, 2014.

**John Taylor** (16-AUG-1999) *Professor of Theatre*. B.S. Wichita State University, 1988; M.A. Ohio State University, 1990; Ph.D. Ohio State University, 1994.

**Jared Thiemann** (21-AUG-2014) *Assistant Professor of Counselor Education*. B.A. Idaho State University, 2007; M.Coun. Idaho State University, 2009; Ph.D. Idaho State University, 2013.

**Michael Tomlin** (01-JUL-2012) *Professor of Business*. B.S. Southern Nazarene University, 1976; M.Ed. Central Oklahoma State University, 1979; Ed.D. University of Wyoming, 1988.

**Armando Valdez** (25-AUG-2006) *Assistant Professor of Business*. B.S. Colorado State University, 1997; M.B.A. Colorado State University, 1998.

**Claire van der Plas** (19-AUG-2010) *Associate Professor of Art*. B.A. University of Canterbury, 1989; B.F.A. University of Auckland, 1997; M.F.A. University of Auckland, 2004.

**Benjamin Waddell** (18-JAN-2011) *Associate Professor of Sociology*. B.A. University of Colorado, 2005; M.A. University of New Mexico, 2009; A.B.D. University of New Mexico, 2011; Ph.D. University of New Mexico, 2013.

**Tony Weathers** (25-AUG-2005) *Professor of Mathematics*. B.S. Mercer University-Macon, 1991; M.S. Auburn University, 1993; Ph.D. Auburn University, 1998.

**Angela Winter** (20-AUG-2015) *Director of Bands, Assistant Professor of Music*. B.M. University of Memphis, 1999; M.M. University of North Texas, 2002; D.M.A. University of North Texas, 2014.

**David Wreford** (20-AUG-2015) *Instructor of Developmental English*. A.M. University of Michigan, 1992.

**Jeremy Yeats** (16-AUG-2012) *Assistant Professor of Human Performance and Physical Education*. B.A. University of Hawaii at Hilo, 2006; M.A. University of Colorado at Denver, 2007; A.B.D. University of Northern Colorado, 2012.

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**Grace Young (08-MAY-1997)** *Professor of Sociology*. B.A. Kalamazoo College, 1978; M.A. University of Chicago, 1985; Ph.D. McGill University, 1996.

**Mohamed Yusri Zaro (23-AUG-2010)** *Assistant Professor of Finance*. B.S. Suez Canal University - Egypt, 1974; M.B.A. California State University, 1983.

**Brian Zuleger (21-AUG-2014)** *Assistant Professor of Human Performance and Physical Education*. B.S. Western Washington University, 2009; M.S. Western Washington University, 2011; Ph.D. University of Missouri, 2014.

### **Emeritus Faculty**

**Carleton Q. Anderson, Ph.D.** Professor of Spanish, Emeritus since 1989

**Louis D. Appel, Ph.D.** Professor of English, Emeritus since 1982

**Robert M. Armagast, Ed.M.** Professor of Industrial Arts, Emeritus since 1979

**Melvin T. Arnold, Ph.D.** Professor of Chemistry, Emeritus since 2001

**Eva R. Borrego, Ph.D.** Professor of Education, Emeritus since 1972

**Charles G. Boyer, Ph.D.** Professor of Music, Emeritus since 2004

**Donald M. Brooks, M.A.** Professor of English, Emeritus since 1975

**Richard L. Burroughs, Ph.D.** Professor of Geology, Emeritus since 1988

**Julie Campbell, M.S.** Assistant Professor of Business, Emeritus since 2008

**Carrol Joe Carter, Ph.D.** Professor of Government and Politics, Emeritus since 1993

**Lee A. Cary, Ed.D.** Professor of Education, Emeritus since 1988

**William Chase, Ph.D.** Professor of Business, Emeritus since 1994

**Myron L. Clayton, M.A.** Vice President for Business and Financial Affairs, Emeritus since 1991

**Alberta Coolbaugh, Ph.D.** Professor of Business, Emeritus since 2011

**Carl Coolbaugh, M.B.A.** Assistant Professor of Business, Emeritus since 2008

**Jack K. Cooper, D.D.S.** Lecturer in Science, Emeritus since 1994

**Gerald Corning, M.B.A.** Associate Professor of Business, Emeritus since 2009

**John J. Cotton, Ed.D.** Professor of Health, Physical Education, and Recreation, Emeritus since 1989

**James H. Craft, Ph.D.** Professor of Biology, Emeritus since 1975

**William Curlott, Ed.D.** Professor of Business, Emeritus since 1996

**Koos Daley, Ph.D.** Professor of English, Emeritus since 2006

**Bill Dickey, Ed.D.** Professor of EPLS, Emeritus since 2001

**Hobart N. Dixon, Ph.D.** Professor of Biology, Emeritus since 2001

**James H. Douglass, M.S.W.** Associate Professor of Sociology and Gerontology, Emeritus since 1988

**Donald F. Eden, Ph.D.** Professor of Education, Emeritus since 1988

**Theodore J. Ellis, Ph.D.** Professor of Economics, Emeritus since 2005

**Randall Emmons, Ph.D.** Professor of Physics, Emeritus since 2009

**Wayne S. Farley, Ed.S.** Dean of Academic Services, Emeritus since 1994

**Rex Filer, Ph.D.** Professor of Counselor Education, Emeritus since 2015

**Cole N. Foster, Ph.D.** Professor of English, Emeritus since 1998

**Jeffery Geiser, Ph.D.** Professor of EPLS, Emeritus since 2006

**Gordon E. Gillson, Ph.D.** Professor of History, Emeritus since 1988

**J. Thomas Gilmore, Ph.D.** President and Professor of Business, Emeritus since 2003

**James R. Groves, M.A.** Professor of Business, Emeritus since 1972

**Carol Guerrero-Murphy, Ph.D.** Professor of English, Emeritus since 2015

**A. J. Hall, M.S.** Director of Physical Plant, Emeritus since 1982

**Carolyn Harper, Ph.D.** Professor of Theatre, Emeritus since 2007

**Nellie N. Hasfjord, M.A.** Associate Professor/Director of Library, Emeritus since 1985

**James P. Hatfield, M.A.** Professor of Art, Emeritus since 1977

**Donald D. Hermanson, Ph.D.** Professor of Education, Emeritus since 1993

**Margery Herrington, Ph.D.** Professor of Biology, Emeritus since 2014

**Virgil I. Hoff, M.A.** Associate Professor of English, Emeritus since 1979

**Lee Holland, Ed.D.** Professor of Education, Emeritus since 2001

**George B. Hugins, Ed.D.** Professor of Education, Emeritus since 1981

**Harry U. Hull, B.A.** Director of the SUB, Emeritus since 1987

**Richard Jacobs, Ph.D.** Professor of Marketing, Emeritus since 2006

**Phil Jaramillo, Ph.D.** Associate Professor of Spanish, Emeritus since 2004

**Dale E. Jeffryes., M.S.E.** Associate Professor of Speech/Theatre, Emeritus since 1984

**Martin Jones, Ph.D.** Professor of Chemistry, Emeritus since 2012

**Randolph F. Jones, M.M.** Associate Professor of Music, Emeritus since 1985

**Charleen Kahre, Ph.D.** Professor of Education, Emeritus since 1997

**Veryl F. Keen, Ph.D.** Professor of Biology, Emeritus since 1993

**Christine Keitges, D.M.A.** Professor of Music, Emeritus since 2014

**Eugene T. Kelly, Ed.D.** Professor of Education, Emeritus since 1984

**Carl Koch, Jr., Ed.D.** Professor of Business, Emeritus since 1976

**Joseph Kolupke, Ph.D.** Professor of English, Emeritus since 2004

**Dale E. Lorimer, Ed.D.** Professor of Psychology, Emeritus since 1973

**Ronald E. Loser, D.A.** Professor of Mathematics, Emeritus since 2003

**Marilyn M. Loser, Ph.D.** Professor of Mathematics/Computer Science, Emeritus since 2005

**Madonna E. MacGowan, M.A.** Professor of Business, Emeritus since 1978

**David Mazel, Ph.D.** Professor of English, Emeritus since 2014

**Teri McCartney, Ph.D.** Professor of Counselor Education, Emeritus since 2014

**John McDaniel, Ph.D.** Professor of History, Emeritus since 2007

**Ted McNeilsmith, Ph.D.** Professor of Sociology, Emeritus since 2010

**Virgil L. McPherson, Ed.D.** Professor of Psychology, Emeritus since 1972

**Christine E. Moeny, M.A.** Assistant Professor of Library Science, Emeritus since 1985

**Frank A. Moore, Ph.D.** Professor of Chemistry, Emeritus since 1985

**Marvin D. Motz, Ed.D.** Professor of Psychology, Emeritus since 1994

**Theodore Mueller, Ph.D.** Professor of Physics, Emeritus since 1997

**Randall Newell, D.B.A.** Professor of Accounting, Emeritus since 2008

**Paul Newman, Ph.D.** Professor of Theatre, Emeritus since 2016

**William I. Oba, Th.D.** Professor of Sociology, Emeritus since 1987

**Dorothy J. Orcutt, Ed.D.** Professor of Health, Physical Education, and Recreation, Emeritus since 1979

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- Senior Analyst: Victor Soe
- Data Analyst: Sarah Rhett

## Course Descriptions

### [Course Catalog](#)

Course descriptions give the department number and title, the semester hours of credit offered, an explanation of the content of the course, course prerequisites and other information needed for planning a program.

Legend for Catalog Prerequisites (*Test Score Prerequisites*):

- A01 = ACT English Test
- A02 = ACT Math Test
- A07 = ACT English/Writing Test
- ACMA = ACCUPLACER Math Test
- ACRD = ACCUPLACER Reading Test
- ACWR = ACCUPLACER Writing Test
- MAPT = Math Placement Test
- S01 = SAT Verbal Test
- S02 = SAT Math Test
- BKCK = Teacher Education Background Check
- TEPP = Teacher Education Preparation Program

### DESCRIPTION OF COURSES

**AAA 101. Academic Achvmnt Strategies.** 3 hours.

Introduces students to college culture and prepares them for the challenges they will face in higher education. Through a series of interactive seminars, students discover learning in a multicultural environment and use college and community resources to attain education and career goals.

**AAA 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**AAA 199. Individual Studies.** .5 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ANTH 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ANTH 192. Workshops.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ANTH 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

**ANTH 201. Introduction to Anthropology.** 3 hours. The course will examine the field of anthropology. The concept of culture will be introduced as an overarching approach to understanding human behavior that draws on the other social and behavioral sciences. Introductory discussions of physical

(biological) anthropology, archeology, and anthropological linguistics will precede a more in-depth examination of cultural anthropology.

**ANTH 205. Physical Anthropology.** 3 hours. The course will examine physical anthropology as a sub discipline of anthropology. The goal is to understand how the physical realities of being human affects the nature of culture. The central theme will be the evolution of humans from the earliest hominid forms to modern Homo sapiens. The course will focus on the mechanisms of evolution, an understanding of primate behavior in general, and the fossil evidence for hominid development.

**ANTH 234. Southwestern Archeology.** 3 hours. Development of tribes of the Gran Chichimeca-northern Mexico and southwestern United States.

**ANTH 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ANTH 285. Folklore and Women.** 3 hours. This course focuses on women's folk traditions in terms of life cycle and role, and explores the range of women's occupations and related traditional knowledge. Looks at women as traditional, verbal, visual, or musical artists.

**ANTH 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ANTH 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ANTH 300. Archaeology.** 3 hours. This course will provide an overview of archaeological method and theory with a particular emphasis on American archeology, and provide a general survey of prehistory with an emphasis on the western United States.

**ANTH 310. Anthropological Linguistics.** 3 hours. After a general introduction to the nature of language (descriptive linguistics) this course will focus on human communication and the uses of language (psycholinguistics and sociolinguistics) and on the language cognition relationship (cognitive anthropology and symbolic anthropology).

**ANTH 320. Southwestern Indians.** 3 hours. Origin, social organization, and relations of southwestern Pueblo and non-Pueblo tribes.

**ANTH 339. Field School in Archaeology.** 6 hours. The purpose of this course is to provide students with the basic skills, and the theories from which they are derived, necessary to do archaeological fieldwork. The student will learn basic techniques of site identification and recording, excavation, and artifact processing and analysis. In addition, they will learn instrument surveying and introductory applications of geographic information systems. The skills taught will be appropriate for either prehistoric or historic sites.

**ANTH 349. Internship in Museums.** 6 hours. This course provides the students with practical experience in the day-to-day operation and organizational and financial challenges of a small museum.

**ANTH 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field..



**ANTH 392. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ANTH 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ANTH 471. Senior Seminar in Anthropology.** 3 hours. This is a capstone course which will cover the central theories that have driven the field of anthropology over the last 200 years. All students enrolled in the Senior Seminar will also write their Senior Comprehensive Examinations as part of the departmental requirement for all History/Government majors. Prerequisites: (ANTH 201 Minimum Grade: C- AND ANTH 205 Minimum Grade: C- AND ANTH 300 Minimum Grade: C- AND ANTH 310 Minimum Grade: C-) OR (ANTH 201 Minimum Grade: T AND ANTH 205 Minimum Grade: T AND ANTH 300 Minimum Grade: T AND ANTH 310 Minimum Grade: T)

**ANTH 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ANTH 492. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ANTH 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ANTH 539. Archaeology Field School.** 1 TO 6 hours. Through actual field experience, the student will learn basic techniques of site identification and recording, excavation, and artifact processing and analysis. In addition, they will learn instruments surveying and introductory applications of geographic information systems. The skills taught will be appropriate for either prehistoric or historic sites.

**ANTH 549. Internship in Museums.** 6 hours. This course provides the student with practical experience in the day-to-day operation and organizational and financial challenges of a small museum.

**ANTH 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ANTH 592. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ANTH 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**AR 103. Art Appreciation GT-AH1.** 3 hours. Satisfies part of the humanities requirement. An introduction to art appreciation that provides a foundation in the basic concepts, materials, and processes of the visual arts, as well as a brief history of art. This course has a course specific fee to cover the costs of some materials.

**AR 105. Intro to Art Criticism.** 3 hours. A course that introduces students to art criticism and critical thinking in the field of visual art. Exercises in reading about art, observing art, talking and writing about art, will develop the student's ability to articulate and critique a wide variety of art works. Students will

be introduced to and practice techniques for reading, thinking, writing and speaking critically as applied to art.

**AR 179. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**AR 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 194. Alt Gen Ed (Arts & Humanities).** 3 hours. This course number designates any alternate general education offered through the art department on a one-time or irregular basis. Courses with this numerical designation are considered to meet the student learning outcomes for general education in Area II Arts & Humanities. Courses with this numerical designation are not guaranteed transfer courses and may not apply towards general education requirements at other institutions. The specific course title and content may vary.

**AR 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 202. In Design.** 3 hours. This course is intended for non-Art majors and will provide theory and practical experience on graphic design and applied art processes in print and presentation design. Students will study the basics in graphic design, the history of visual communication, typography, and the role of illustration and photography in graphic communications.

**AR 206. Studio One.** 3 hours. A foundation studio course in art practice and concepts (includes two-dimensional and three-dimensional design fundamentals). It is recommended to take AR 206 Studio One prior to AR 207 Studio Two.

**AR 207. Studio Two.** 3 hours. A foundation studio course in art practice and concepts (includes two-dimensional, three-dimensional and time based/new media design fundamentals). There is no pre-requisite but it is recommended to take AR 206 Studio One prior to AR 207 Studio Two.

**AR 208. Drawing.** 3 hours. Develop basic drawing skills using a variety of media and subject matter (e.g. models, still lifes, landscapes, etc.). An emphasis on composition, contour, gesture, value, and linear perspective. This course has a course specific fee to cover the costs of some materials.

**AR 209. Beginning Drawing II.** 3 hours. This course is a further exploration of drawing with emphasis on integrating the principles of drawing and design into a meaningful composition on a two-dimensional surface. Problems of color and spatial organization are also stressed. A variety of subject matter will be considered. Instructor permission may be obtained to register for this course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 208 Minimum Grade: C- OR AR 208 Minimum Grade: T

**AR 216. Introduction to Art Education.** 3 hours. This course is a study of art education as influenced by educational and philosophical developments throughout history as well as an exploration of current art education topics and approaches for teaching art in traditional and non-traditional settings. A background check must be completed through the Department of Teacher Education. This course has a course specific fee to cover the costs of some materials.

Prerequisites: BKCK - Minimum Score: 1

**AR 220. Painting.** 3 hours. Studio problems exploring characteristics and techniques of painting media with emphasis on color, form, and structure as related to the painting surface. This course has a course specific fee to cover the costs of some materials.

**AR 240. Fiber.** 3 hours. Exploration of fiber as a primary vehicle for artistic expression. Fiber techniques may include papermaking, bookmaking, weaving on multi-harness floor looms, tapestry and portable looms, surface design treatments such as direct painting, printing, stitchery and resists such as batik. Fiber and fabric manipulation includes dyeing, sewing, construction, casting, armatures, spinning, and felting. This course has a course specific fee to cover the costs of some materials.

**AR 250. Sculpt Carving & Fabrication.** 3 hours. Emphasizes the conceptual aspects of sculpture while introducing the development of technical skills related to fabrication and subtractive processes and materials. The course is structured around assignments that emphasize individual work ethic and productivity, research skills, creative expressiveness, and class participation. (AR 206 Studio One & AR 207 Studio Two recommended)

**AR 251. Sculpt Casting & Installation.** 3 hours. Emphasizes the conceptual aspects of sculpture while introducing the development of technical skills related to casting and installation. The course is structured around assignments that emphasize individual work ethic and productivity, research skills, creative expressiveness, and class participation (AR 206 Studio One & AR 207 Studio Two recommended)

**AR 260. Beginning Printmaking I.** 3 hours. An introduction to basic black and white printmaking techniques using relief, collograph, and intaglio processes. This course has a course specific fee to cover the costs of some materials.

**AR 261. Beginning Printmaking II.** 3 hours. An introduction to basic black and white printmaking techniques using monotype and lithography processes. This course has a course specific fee to cover the costs of some materials.

**AR 270. Ceramics.** 3 hours. Comprehensive introduction to academic ceramics including: hand-building techniques; introduction to throwing; various surface treatment techniques such as slips and glazes. As time permits, instruction will include various firing techniques such as oxidation, reduction, salt, wood and Raku. This course has a course specific fee to cover the costs of some materials.

**AR 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**AR 280. Beginning B&W Photography.** 3 hours. A foundation course exploring the history and techniques of traditional black and white photography. Emphasis on photography as a medium for creative expression. Significant darkroom time is required. Students must have their own 35mm SLR camera. There is a lab fee for this course. This course has a course specific fee to cover the costs of some materials.

**AR 281. Beginning Digital Photography.** 3 hours. This course is an introduction to digital photography. The course will cover digital camera functions and an introduction to Adobe Bridge and Adobe PhotoShop applications. Emphasis on

photography as a medium for creative expression. Students must supply their own digital camera. Cameras with the ability to shoot in a raw format are preferred. This course has a course specific fee to cover the costs of some materials.

**AR 290. Metals and Jewelry.** 3 hours. Design and construction of ornamental metal emphasizing basic fabrication, surface treatments, forming for jewelry and sculpture. This course has a course specific fee to cover the costs of some materials.

**AR 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 294. Alt Gen Ed (Arts & Humanities).** 3 hours. This course number designates any alternate general education offered through the art department on a one-time or irregular basis. Courses with this numerical designation are considered to meet the student learning outcomes for general education in Area II Arts & Humanities. Courses with this numerical designation are not guaranteed transfer courses and may not apply towards general education requirements at other institutions. The specific course title and content may vary.

**AR 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 301. Typography.** 3 hours. This course is intended primarily for art majors who chose graphic design as their area of emphasis. It is also open to any other art major or non-art major. This course will focus on a broad study of typography, its terminology, history, and application in the field of graphic design.

Prerequisites: AR 206 Minimum Grade: C- OR AR 206 Minimum Grade: T

**AR 305. Art Theory.** 3 hours. A lecture course that covers major themes in art theory and asks students to articulate which aspects of art theory relate to their studio work and how they relate.

Prerequisites: AR 105 Minimum Grade: C- OR AR 105 Minimum Grade: T AND ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T AND ENG 102 Minimum Grade: C- OR ENG 102 Minimum Grade: T

**AR 306. Illustrator.** 3 hours. An advanced design class. Using Adobe Illustrator, students will study design concepts related to computer graphics, illustration and typography as well as historical traditions in graphic design.

Prerequisites: (AR 206 Minimum Grade: C- OR AR 207 Minimum Grade: C-) OR (AR 206 Minimum Grade: T OR AR 207 Minimum Grade: T)

**AR 308. Intermediate Drawing I.** 3 hours. Emphasizing human anatomy for the artist; development of personal direction and characteristics. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 209 Minimum Grade: C- OR AR 209 Minimum Grade: T

**AR 309. Intermediate Drawing II.** 3 hours. Emphasizing human anatomy for the artist; development of personal direction and characteristics. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 308 Minimum Grade: C- OR AR 308 Minimum Grade: T

**AR 310. Photoshop.** 3 hours. An advanced study of the design relating to the work of the graphic designer. Students learn Adobe PhotoShop software and work on advanced design projects such as book and CD covers, posters, corporate identity projects, and package design, etc. This course has a course specific fee to cover the costs of some materials.

Prerequisites: (AR 206 Minimum Grade: C- OR AR 207 Minimum Grade: C- OR AR 281 Minimum Grade: C-) OR (AR 206 Minimum Grade: T OR AR 207 Minimum Grade: T OR AR 281 Minimum Grade: T)

**AR 311. Graphic Design II.** 3 hours. An advanced study of the design relating to the work of the graphic designer. Students learn PhotoShop software and work on advanced design projects such as book and CD covers, posters, corporate identity projects, and package design, etc. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 310 Minimum Grade: C- OR AR 310 Minimum Grade: T

**AR 312. Design for the Internet.** 3 hours. This course will provide an introduction to theories and practical experience with graphic design as applied to the Internet. Students will study the basics in Web page and web site design using current industry standard software, HTML and XHTML. Within the course, students will create Web pages and sites suitable for course work, professional purposes, and personal use. Students will also explore common Web page formats and functions. Emphasis will be on the aesthetics of Internet design.

Prerequisites: (AR 281 Minimum Grade: C- OR AR 302 Minimum Grade: C- OR BUS 320 Minimum Grade: C-) OR (AR 281 Minimum Grade: T OR AR 302 Minimum Grade: T OR BUS 320 Minimum Grade: T)

**AR 320. Intermediate Painting I.** 3 hours. Intermediate study of painting media with emphasis on perceptual abilities and personal expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites: (AR 220 Minimum Grade: C- AND AR 208 Minimum Grade: C-) OR (AR 220 Minimum Grade: T AND AR 208 Minimum Grade: T)

**AR 321. Intermediate Painting II.** 3 hours. Intermediate study of painting media with emphasis on perceptual abilities and personal expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 320 Minimum Grade: C- OR AR 320 Minimum Grade: T

**AR 334. Elem School Art Ed Methods.** 3 hours. A course designed to explore the theoretical and practical approaches to implementing a program of art education for grades K-6. Emphasis is placed on strategies that will encourage a discipline-based art education model of instruction. Through hands-on involvement in various art media, students are given opportunities for creative problem solving. A background check must be completed through the Department of Teacher Education. This course has a course specific fee to cover the costs of some materials.

Prerequisites: (BKCK - Minimum Score: 1 AND AR 216 Minimum Grade: C-) OR (BKCK - Minimum Score: 1 AND AR 216 Minimum Grade: T)

**AR 335. Sec School Art Ed Methods.** 3 hours. In this advanced course of study, students are given the opportunity to explore more completely those professional practices utilized in the teaching of art in the secondary school. Through hands-on involvement in various media, students are given opportunities for creative problem solving. This course is intended for juniors and seniors. Freshmen and sophomores cannot enroll in this course. A background check must be completed through the Department of Teacher Education. This check must be completed before a student can do any field experience hours. Students must be enrolled in the Teacher Education Program before they can enroll in the Methods Course. 20 hours of classroom observation required for this class.

Prerequisites: (ED 200 Minimum Grade: C- OR ED 220 Minimum Grade: C- AND AR 334 Minimum Grade: C- AND BKCK - Minimum Score: 1) OR (ED 200 Minimum Grade: T OR ED 220 Minimum Grade: T AND AR 334 Minimum Grade: T AND BKCK - Minimum Score: 1)

**AR 340. Intermediate Fiber I.** 3 hours. Further exploration of the expressive capability of fibers. More complex exploration of techniques surveyed in AR 240. Increased emphasis on skill, design and personal expression. Techniques explored will vary in spring and fall semesters; 2D and 3D solutions. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 240 Minimum Grade: C- OR AR 240 Minimum Grade: T

**AR 341. Intermediate Fiber II.** 3 hours. Further exploration of the expressive capability of fibers. More complex exploration of techniques surveyed in AR 340. Increased emphasis on skill, design and personal expression. Techniques explored will vary in spring and fall semesters; 2D and 3D solutions. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 340 Minimum Grade: C- OR AR 340 Minimum Grade: T

**AR 350. Intermediate Sculpture I.** 3 hours. Continue to build on information regarding the tools and techniques of material manipulation with references to historical precedents as well as contemporary examples. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 250 Minimum Grade: C- OR AR 250 Minimum Grade: T

**AR 351. Intermediate Sculpture II.** 3 hours. Continue to build on information regarding the tools and techniques of material manipulation with references to historical precedents as well as contemporary examples. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 350 Minimum Grade: C- OR AR 350 Minimum Grade: T

**AR 360. Intermediate Printmaking.** 3 hours. Further exploration of printmaking using all processes. Emphasis on composition, media exploration, and color processes. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 260 Minimum Grade: C- OR AR 261  
Minimum Grade: C- OR AR 261 Minimum Grade: T OR AR  
260 Minimum Grade: T

**AR 364. History of Art I.** 3 hours. A survey of architecture, painting, sculpture, and other visual art forms prehistoric times to the Eighteenth Century.

Prerequisites: AR 105 Minimum Grade: C- OR AR 105  
Minimum Grade: T

**AR 365. History of Art II.** 3 hours. A survey of architecture, painting, sculpture, and other visual art forms from the 18th Century to the 21st Century. Additionally this course includes a brief survey of the arts of African, Asian, and Native American cultures.

Prerequisites: AR 105 Minimum Grade: C- OR AR 105  
Minimum Grade: T

**AR 366. History of Art.** 3 hours. Survey of architecture, painting, sculpture, and other visual art forms from the 19th century to the present.

Prerequisites: AR 105 Minimum Grade: C- OR AR 105  
Minimum Grade: T

**AR 367. Women Artists in Art History.** 3 hours. A survey of women artists in the history of art from antiquity to the present.

Prerequisites: AR 105 Minimum Grade: C- OR AR 105  
Minimum Grade: T

**AR 368. Performance Art.** 3 hours. A study of Performance Art with an emphasis on its history, theory, and the creation of original performances.

**AR 370. Intermediate Ceramics I.** 3 hours. Problems in utilitarian and non-utilitarian ceramic forms, hand building and throwing techniques, ceramic materials, and glaze composition in clay. This course is a continuation and progression from the Beginning Ceramics course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 270 Minimum Grade: C- OR AR 270  
Minimum Grade: T

**AR 371. Intermediate Ceramics II.** 3 hours. Problems in utilitarian and non-utilitarian ceramic forms, hand building and throwing techniques, ceramic materials, and glaze composition in clay. This course is a continuation and progression from the Intermediate 1 Ceramics course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 370 Minimum Grade: C- OR AR 370  
Minimum Grade: T

**AR 379. Topics in Art.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**AR 380. Intermediate Photography.** 3 hours. Continued exploration of photography as an art medium using traditional darkroom techniques. Emphasis on concept and creative expression. Introduction to color, pinhole, large format, and non-silver techniques. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 280 Minimum Grade: C- OR AR 280  
Minimum Grade: T

**AR 381. Intrmdte Digital Photography.** 3 hours. Continued exploration of digital photography as an art medium. The course will delve further into photographic applications in Adobe Photoshop with emphasis on maximizing image quality using masks and blending modes. Introduction to fine art

printing and papers. Emphasis on concept and creative expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 281 Minimum Grade: C- OR AR 281  
Minimum Grade: T

**AR 390. Interm Metals and Jewelry I.** 3 hours. Further study in metal manipulation, exploring raising holloware, casting techniques, and stone setting. Instructor permission may be obtained to register for this course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 290 Minimum Grade: C- OR AR 290  
Minimum Grade: T

**AR 391. Interm Metals and Jewelry II.** 3 hours. Further study in metal manipulation, exploring raising holloware, casting techniques, and stone setting. Instructor permission may be obtained to register for this course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 390 Minimum Grade: C- OR AR 390  
Minimum Grade: T

**AR 392. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 401. Advanced Graphic Design.** 3 hours. An advanced study of the design relating to the work of the graphic designer. Students learn PhotoShop software and work on advanced design projects such as book and CD covers, posters, corporate identity projects, and package design, etc. This course has a course specific fee to cover the costs of some materials.

Prerequisites: (AR 310 Minimum Grade: C- AND AR 306  
Minimum Grade: C-) OR (AR 306 Minimum Grade: T AND AR  
310 Minimum Grade: T)

**AR 405. Seminar in Art.** 3 hours. A seminar class that combines research into art theory and art history with discussions about the conceptual, formal and technical aspects of studio work.

Prerequisites: (AR 305 Minimum Grade: C- OR AR 305  
Minimum Grade: T)

**AR 410. Advanced Drawing I.** 3 hours. Advanced personal concepts, media experimentation, and aesthetics. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 309 Minimum Grade: C- OR AR 309  
Minimum Grade: T

**AR 411. Advanced Drawing II.** 3 hours. Exploration of drawing as a medium for expression with emphasis on developing a personal style. Progress towards developing a cohesive body of work. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 410 Minimum Grade: C- OR AR 410  
Minimum Grade: T

**AR 422. Advanced Painting I.** 3 hours. Advanced studio problems, emphasizing perceptual and conceptual abilities and personal expression as related to painting media. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 321 Minimum Grade: C- OR AR 321  
Minimum Grade: T

**AR 423. Advanced Painting II.** 3 hours. Advanced studio problems, emphasizing perceptual and conceptual abilities and personal expression as related to painting media. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 422 Minimum Grade: C- OR AR 422  
Minimum Grade: T

**AR 442. Advanced Fiber I.** 3 hours. Advanced problems in fibers. Concentration in weaving, paper and books, surface design and or fiber/fabric manipulation determined with the instructor. Personal expression and design execution emphasized. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 341 Minimum Grade: C- OR AR 341  
Minimum Grade: T

**AR 443. Advanced Fiber II.** 3 hours. Advanced problems in fibers. Concentration in weaving, paper and books, surface design and or fiber/fabric manipulation determined with the instructor. Personal expression and design execution emphasized. A single area of focus will be determined in consultation with the instructor. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 442 Minimum Grade: C- OR AR 442  
Minimum Grade: T

**AR 452. Advanced Sculpture I.** 3 hours. Advanced work in diverse materials. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 351 Minimum Grade: C- OR AR 351  
Minimum Grade: T

**AR 453. Advanced Sculpture II.** 3 hours. Advanced work in diverse materials. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 452 Minimum Grade: C- OR AR 452  
Minimum Grade: T

**AR 462. Advanced Printmaking I.** 3 hours. Emphasis on exploring the unique qualities of all printmaking processes and combining them as a means towards personal expression in the medium. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 360 Minimum Grade: C- OR AR 360  
Minimum Grade: T

**AR 463. Advanced Printmaking II.** 3 hours. Emphasis on exploring the unique qualities of all printmaking processes and combining them as a means towards personal expression in the medium. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 462 Minimum Grade: C- OR AR 462  
Minimum Grade: T

**AR 472. Advanced Ceramics I.** 3 hours. Advanced Techniques: advanced throwing or hand-building techniques, glaze calculation and individual concepts. This course is a continuation and progression from the Intermediate 2 Ceramics course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 371 Minimum Grade: C- OR AR 371  
Minimum Grade: T

**AR 473. Advanced Ceramics II.** 3 hours. Advanced Techniques: advanced throwing or hand-building techniques, glaze calculation and individual concepts. This course is a continuation and progression from the Advanced 1 Ceramics course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 472 Minimum Grade: C- OR AR 472  
Minimum Grade: T

**AR 479. Topics in Art.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**AR 484. Advanced Photography I.** 3 hours. Continued exploration of photography as an art medium with emphasis on expression and technique. Emphasis on development of a personal style and approach to the medium. Students will work with the instructor to determine techniques appropriate for their individual goals. Digital Techniques will be emphasized during the spring semester and traditional techniques in the fall semester. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 380 Minimum Grade: C- OR AR 381  
Minimum Grade: C- OR AR 380 Minimum Grade: T OR AR 381 Minimum Grade: T

**AR 485. Advanced Photography II.** 3 hours. Continued exploration of photography as an art medium with emphasis on expression and technique. Emphasis on development of a personal style and approach to the medium. Students will work with the instructor to determine techniques appropriate for their individual goals. Digital Techniques will be emphasized during the spring semester and traditional techniques in the fall semester. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 484 Minimum Grade: C- OR AR 484  
Minimum Grade: T

**AR 492. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 494. Adv Metals and Jewelry I.** 3 hours. Advanced metal techniques in the production of functional and non-functional forms. Instructor permission may be obtained to register for this course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 391 Minimum Grade: C- OR AR 391  
Minimum Grade: T

**AR 495. Adv Metals and Jewelry II.** 3 hours. Advanced metal techniques in the production of functional and non-functional forms. Instructor permission may be obtained to register for this course. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 494 Minimum Grade: C- OR AR 494  
Minimum Grade: T

**AR 497. BFA Exhibition.** 6 hours. A capstone course that involves the creation and exhibition of a cohesive body of creative work.

Prerequisites: BFAP - Minimum Score: 1

**AR 498. Professional Practice.** 3 hours. Designed to be the capstone experience for all students who have majored in Art. Students will organize a group exhibition of their work and prepare portfolios and other tools for professional futures.

Emphasis will be placed on responsible teamwork and professionalism.

Prerequisites: (AR 305 Minimum Grade: C- OR AR 305 Minimum Grade: T)

**AR 499. Individual Studies.** 1 TO 9 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**AR 501. Theory and Criticism.** 3 hours. Critical analysis of a selected issue applicable to the candidate's major discipline. Controversial historical or contemporary topics must be documented with written research supporting the candidate's chosen positions and submitted to their major advisors. Prerequisites: AR 503 Minimum Grade: C

**AR 502. Special Projects.** 3 hours. Exploratory research project applied to a technical process or problem supervised by the major advisor. Findings from research will be documented by the candidates and submitted to their major advisors. Prerequisites: AR 503 Minimum Grade: C

**AR 503. Resrch Meth f/ the Visual Arts.** 3 hours. An interdisciplinary study of methods, analyses, and critiques used by visual artists to research issues within and across a range of topics in the visual arts.

**AR 505. Graduate Seminar in Art.** 3 hours. A seminar class that combines research into art theory and art history with discussions about the conceptual aspects of studio work.

**AR 508. Drawing.** 3 hours. Experimentation with various drawing media with emphasis on eventual development of individual expression. Course may be repeated for a maximum of 15 semester hours.

**AR 520. Painting.** 3 hours. Study of painting problems with an emphasis on perceptual and conceptual awareness and personal development of technical abilities with painting media. Course may be repeated for a maximum of 15 semester hours.

**AR 540. Fiber.** 3 hours. An advanced level course that encompasses traditional and contemporary use of fiber and fiber techniques 2D and 3D artworks. Emphasis on aesthetic, expressive, and conceptual use of materials and imagery. Course may be repeated to a maximum of 15 semester hours.

**AR 550. Sculpture.** 3 hours. A three-dimensional study of form and space with emphasis on creative imagination and investigation of contemporary ideas and materials. Course may be repeated for a maximum of 15 semester hours.

**AR 560. Printmaking.** 3 hours. Emphasis on individual concepts related to intaglio, relief, lithography, and stencil processes. Course may be repeated for a maximum of 15 semester hours.

**AR 565. Metalsmithing.** 3 hours. In-depth research and development of individual design concepts in metal manipulation, and stressing form and function. Course may be repeated for a maximum of 15 semester hours.

**AR 570. Ceramics.** 3 hours. Individual research in ceramic forms related to the development of the aesthetic and expressive qualities of clay. Course may be repeated for maximum of 15 semester hours.

**AR 579. Topics in Art.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**AR 585. Photography.** 3 hours. Studies in the craft of photography with emphasis on development of individual expression. Course may be repeated for a maximum of 15 credit hours.

**AR 592. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**AR 597. Thesis Proposal.** 3 hours. The course includes preliminary work for the student's thesis body of work and supporting paper, including identification of artistic influences, historical influences and the conceptual framework for the body of work. Students will write a paper detailing these influences and making connections to the direction of their work. Prerequisites: AR 503 Minimum Grade: B- AND AR 505 Minimum Grade: B-

**AR 598. Thesis.** 6 hours. The thesis may be either written research or creative work in one of the major disciplines. Creative work must be accompanied by a descriptive paper and must be defended during the student's final semester. A graduate exhibition of a creative thesis will be required.

**AR 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ART 305. Art Theory.** 3 hours. A lecture course that covers major themes in art theory and asks students to articulate which aspects of art theory relate to their studio work and how they relate.

Prerequisites: ART 105 Minimum Grade: C- OR ART 105 Minimum Grade: T AND ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T AND ENG 102 Minimum Grade: C- OR ENG 102 Minimum Grade: T

**BIOL 101. Introductory Biology GT-SC1.** 4 hours. Introductory Biology is a one-semester lecture/laboratory course designed to acquaint the non-major with a broad overview of the fundamental principles of biology. Topics considered will include the scientific method of inquiry, evolution, the biology of cells, principles of inheritance, the biology of organisms including a survey of major groups, and ecology with emphasis on the adaptations of organisms to living and non-living environmental factors. The course includes 3 hours of lecture and 2 hours of laboratory per week.

**BIOL 101L. Introductory Biology Lab.** 0 hours. Introductory Biology is a one-semester laboratory course designed to acquaint the non-major with a broad overview of the fundamental principles of biology. Topics considered will include the scientific method of inquiry, evolution, the biology of cells, principles of inheritance, the biology of organisms including a survey of major groups, and ecology with emphasis on the adaptations of organisms to living and non-living environmental factors. This course includes 3 hours of lecture and 2 hours of laboratory per week.

**BIOL 112. Human Anatomy.** 4 hours. A lecture/laboratory course that uses the body-system approach to study the structure of the human body. Typically taken by HPPE students. Topics include gross anatomy, histology, the relationship between structure and function, and anatomical changes associated with disease processes. Course includes three hours of lecture and two hours of laboratory per week.

**BIOL 125. Nutrition.** 2 hours. A study of the fundamentals of human nutrition with emphasis on the impact of diet on health. Topics include the chemical nature and physiological roles of nutrient groups, principles of weight control, nutritional requirements at different life stages, eating disorders, food safety, world hunger, and the role of nutrition in the prevention and treatment of disease. Course includes two hours of lecture per week and is offered during fall of odd numbered years.

**BIOL 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**BIOL 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of department chair.

**BIOL 203. General Biology GT-SC1.** 5 hours. A two-semester lecture/laboratory sequence introducing the fundamental principles of biology at the molecular, cellular, and organismal levels. General Biology is the foundation course for Biology majors and is prerequisite to all 300- and 400- level courses in Biology. Course includes five hours of lecture and two hours of laboratory per week. Students must be qualified to enroll in ENG 101 and Math 104 or MATH 106.

Prerequisites: (A02 - Minimum Score: 19 OR S02 - Minimum Score: 470 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: T) AND (S01 - Minimum Score: 440 OR EPE - Minimum Score: 1 OR (ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T) OR ((A03 - Minimum Score: 18 OR READ 090 Minimum Grade: S OR READ 090 Minimum Grade: T OR ACRD - Minimum Score: 080) AND (A01 - Minimum Score: 19 OR ACWR - Minimum Score: 095 OR ENG 090 Minimum Grade: S OR ENG 090 Minimum Grade: T) ) )

**BIOL 203L. General Biology Lab.** 0 hours.

Prerequisites: BIOL 203 Minimum Grade: D AND BIOL 204 Minimum Grade: D AND CHEM 131 Minimum Grade: D AND CHEM 132 Minimum Grade: D

**BIOL 204. General Biology GT-SC1.** 5 hours. A two-semester lecture/laboratory sequence introducing the fundamental principles of biology at the molecular, cellular, and organismal levels. General Biology is the foundation course for biology majors and is prerequisite to all 300- and 400- level courses in biology. Course includes 5 hours of lecture and 2 hours of laboratory per week.

Prerequisites: BIOL 203 Minimum Grade: C- OR BIOL 203 Minimum Grade: T

**BIOL 204L. General Biology Lab.** 0 hours. A two-semester lecture/laboratory sequence introducing the fundamental principles of biology at the molecular, cellular, and organismal levels. General Biology is the foundation course for biology majors and is prerequisite to all 300- and 400- level courses in

biology. Course includes 5 hours of lecture and 2 hours of laboratory per week.

Prerequisites: BIOL 203 Minimum Grade: C- OR BIOL 203 Minimum Grade: T

**BIOL 205. Human Anatomy & Physiology.** 4 hours. A lecture/laboratory course that uses the body-system approach to study the structure and function of the human body.

Recommended for pre-nursing and certain HPPE and allied health programs. Topics include gross anatomy, histology, cell function, regulation of body activities, and pathological changes in disease. The integumentary, skeletal, muscular, and nervous systems are studied. Course includes 3 hours of lecture and 2 hours of laboratory per week. Students must be qualified to enroll in ENG 101 and MATH 104 or MATH 106.

Prerequisites: (A02 - Minimum Score: 19 OR S02 - Minimum Score: 431 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: T) AND (S01 - Minimum Score: 431 OR EPE - Minimum Score: 1 OR (ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T) OR ((A03 - Minimum Score: 18 OR ENG 090 Minimum Grade: S OR READ 090 Minimum Grade: T OR ACRD - Minimum Score: 080) AND (A01 - Minimum Score: 19 OR ACWR - Minimum Score: 095 OR ENG 096 Minimum Grade: S OR ENG 096 Minimum Grade: T) ) )

**BIOL 206. Human Anatomy & Physiology.** 4 hours. A lecture/laboratory course that uses the body-system approach to study the structure and function of the human body.

Recommended for pre-nursing and certain HPPE and allied health programs. Topics include gross anatomy, histology, cell function, regulation of body activities, and pathological changes in disease. The digestive, respiratory, circulatory, urinary, endocrine, and reproductive systems are studied. Course includes 3 hours of lecture and 2 hours of laboratory per week.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 210 Minimum Grade: C- OR BIOL 205 Minimum Grade: C-) OR (BIOL 203 Minimum Grade: T OR BIOL 210 Minimum Grade: T OR BIOL 205 Minimum Grade: T)

**BIOL 209. General Biology I GT-SC1.** 5 hours. A two-semester lecture/laboratory sequence introducing the fundamental principles of biology at the molecular, cellular, and organismal levels. General Biology is the foundation course for biology majors and is prerequisite to all 300- and 400- level courses in biology. Course includes 5 hours of lecture and 2 hours of laboratory per week.

Prerequisites: (A02 - Minimum Score: 19 OR S02 - Minimum Score: 470 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: T) AND (S01 - Minimum

Score: 431 OR EPE - Minimum Score: 1 OR (ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T) OR ((A03 - Minimum Score: 18 OR ACRD - Minimum Score: 080 OR READ 090 Minimum Grade: S OR READ 090 Minimum Grade: T) AND (A01 - Minimum Score: 19 OR ACWR - Minimum Score: 095 OR ENG 090 Minimum Grade: S OR ENG 090 Minimum Grade: T) ) )

**BIOL 210. General Biology II GT-SC1.** 5 hours. A two-semester lecture/laboratory sequence introducing the fundamental principles of biology at the molecular, cellular, and organismal levels. General Biology is the foundation course for Biology majors and is prerequisite to all 300- and 400- level courses in Biology. Course includes five hours of lecture and two hours of laboratory per week. Students must be qualified to enroll in ENG 101 and Math 104 or MATH 106.

Prerequisites: BIOL 209 Minimum Grade: C OR BIOL 209 Minimum Grade: T OR BIOL 209 Minimum Grade: C AND (CHEM 131 Minimum Grade: C OR CHEM 131 Minimum Grade: T) OR (CHEM 111 Minimum Grade: C OR CHEM 111 Minimum Grade: C OR CHEM 111 Minimum Grade: T)

**BIOL 215. Microbiology for Non-Majors.** 4 hours. A lecture/laboratory course designed to fulfill requirements for pre-nursing and pre-pharmacy students as a practical introduction to microorganisms, especially bacteria and viruses, and their contribution to human health and disease. Laboratory exercises are designed to provide experience in handling microorganisms, bacterial identification, and other basic principles of microbiology. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites: ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T AND CHEM 105 Minimum Grade: C- OR CHEM 105 Minimum Grade: T) AND (CHEM 105L Minimum Grade: C- OR CHEM 105L Minimum Grade: T) ) OR ((BIOL 203 Minimum Grade: C- OR BIOL 203 Minimum Grade: T) AND (BIOL 204 Minimum Grade: C- OR BIOL 204 Minimum Grade: T) )

**BIOL 220. Conservation Biology.** 3 hours. Conservation biology is the study of how to preserve the world's biological and genetic diversity while maintaining functional ecosystems. The course will explore these issues an integrated approach with emphasis on identifying ways that wildlife ad humans can sustainably coexist.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 210 Minimum Grade: C-) OR (BIOL 203 Minimum Grade: T OR BIOL 210 Minimum Grade: T)

**BIOL 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**BIOL 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BIOL 314. Conservation Biology.** 3 hours. Conservation biology is the study of how to preserve the world's biological and genetic diversity while maintaining functional ecosystems. The course will explore these issues using an integrated

approach with emphasis on identifying ways that wildlife and humans can sustainably coexist.

Prerequisites: (BIOL 330 Minimum Grade: C- OR GEOG 307 Minimum Grade: C-) OR (BIOL 330 Minimum Grade: T OR GEOG 307 Minimum Grade: T)

**BIOL 321. Genetics.** 3 hours. A study of Mendelian and molecular genetics of eukaryotes and prokaryotes. Discussions include basic Mendelian principles, meiosis/mitosis, linkage, gene expression, and molecular techniques. Course includes 3 hours of lecture and 1molecular techniques. Course includes three hours of lecture and one hour of recitation per week. Concurrent registration in BIOL 323 and BIOL 325 is recommended.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 210 Minimum Grade: C- OR BIOL 203 Minimum Grade: T OR BIOL 210 Minimum Grade: T) AND (BIOL 204 Minimum Grade: C- OR BIOL 209 Minimum Grade: C- OR BIOL 204 Minimum Grade: T OR BIOL 209 Minimum Grade: T) AND (((CHEM 111 Minimum Grade: C- OR CHEM 111 Minimum Grade: T) AND (CHEM 111L Minimum Grade: C- OR CHEM 111L Minimum Grade: T) ) OR ((CHEM 131 Minimum Grade: C- OR CHEM 131 Minimum Grade: T) AND (CHEM 131L Minimum Grade: C- OR CHEM 131L Minimum Grade: T) ) )

**BIOL 323. Cellular Biology.** 3 hours. The study of higher plant and animal cells and tissues at the biochemical level including: organelle structure, function, and metabolic role; cell growth, differentiation and specialization; and a survey of instrumentation and methodologies for investigating life processes at the biochemical level. Course includes three hours of lecture per week. Concurrent registration in BIOL 321 and BIOL 325 is recommended.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 210 Minimum Grade: C- OR BIOL 203 Minimum Grade: T OR BIOL 210 Minimum Grade: T) AND (BIOL 204 Minimum Grade: C- OR BIOL 209 Minimum Grade: C- OR BIOL 204 Minimum Grade: T OR BIOL 209 Minimum Grade: T) AND ((CHEM 111 Minimum Grade: C- OR CHEM 111 Minimum Grade: T) AND (CHEM 111L Minimum Grade: C- OR CHEM 111L Minimum Grade: T) OR (CHEM 131 Minimum Grade: C- OR CHEM 131 Minimum Grade: T) AND (CHEM 131L Minimum Grade: C- OR CHEM 131L Minimum Grade: T) )

**BIOL 325. Cellular Biology/Genetics Lab.** 1 hours. Required companion laboratory to be taken concurrently with Biol 321 and Biol 323. Laboratory exercises in this course are designed to demonstrate, complement, and extend concepts considered in Biol 321 and Biol 323. Students will engage in exercises involving a variety of techniques in which data pertinent to both disciplines will be gathered and analyzed. Course includes 3 hours of laboratory per week.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 210 Minimum Grade: C- OR BIOL 203 Minimum Grade: T OR BIOL 210 Minimum Grade: T) AND (BIOL 204 Minimum Grade: C- OR BIOL 209 Minimum Grade: C- OR BIOL 204 Minimum Grade: T OR BIOL 209 Minimum Grade: T) AND ((CHEM 111 Minimum Grade: C- OR CHEM 111 Minimum Grade: T) AND (CHEM 111L Minimum Grade: C- OR CHEM 111L Minimum Grade: T) OR (CHEM 131 Minimum Grade: C- OR CHEM 131



Minimum Grade: T) AND (CHEM 131L Minimum Grade: C- OR CHEM 131L Minimum Grade: T) )

**BIOL 330. Ecology.** 4 hours. An introduction to major ecological concepts and models at the levels of individuals, populations, communities, and ecosystems. The laboratory includes laboratory and field exercises, and an introduction to data collection and analysis. Previous credit or concurrent registration in MATH 205 and BIOL 332 are recommended. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 203 Minimum Grade: T OR BIOL 204 Minimum Grade: C- OR BIOL 204 Minimum Grade: T OR BIOL 209 Minimum Grade: C- OR BIOL 209 Minimum Grade: T OR BIOL 210 Minimum Grade: C- OR BIOL 210 Minimum Grade: T) AND (GEOG 307 Minimum Grade: C- OR GEOG 307 Minimum Grade: T)

**BIOL 332. Evolution.** 3 hours. A study of the history and development of evolutionary theory. Consideration is given to evidence for and mechanisms of evolution from anatomical, developmental, geological, mathematical, and molecular perspectives. Credit or concurrent registration in BIOL 330 is recommended. Course includes 3 hours of lecture per week.

Prerequisites: (BIOL 203 Minimum Grade: C- OR BIOL 203 Minimum Grade: T OR BIOL 210 Minimum Grade: C- OR BIOL 210 Minimum Grade: T) AND (BIOL 204 Minimum Grade: C- OR BIOL 204 Minimum Grade: T) OR BIOL 209 Minimum Grade: T OR BIOL 209 Minimum Grade: C- AND BIOL 321 Minimum Grade: C- OR BIOL 321 Minimum Grade: T

**BIOL 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**BIOL 380. Natural Hist of Wrld Regions.** 3 hours. This field course, offered during winter, spring, or summer break for declared science or mathematics major in good standing, explores the natural history of selected regions of the world. Emphasis will be placed on geology, flora, fauna, and ecology of the selected region. Examples of world regions to be studied include the Galapagos Islands and Eastern/Southern Africa. To register for this course, students must have completed two semesters of college-level science courses with a minimum grade of C-, or instructor permission.

**BIOL 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BIOL 404. Physiological Zoology.** 3 hours. Consideration of structural, functional, and behavioral aspects of physiological mechanisms within an ecological context. Adaptations of animals in response to common, changing, and/or extreme environmental stresses will be emphasized at both proximate and ultimate levels of inquiry. Course includes 3 hours of lecture per week and is offered during spring term of odd-numbered years.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum

Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 407. Comparative Animal Physiology.** 4 hours. A lecture and laboratory course in which physiological principles common to all major animal phyla are discussed.

Consideration of function ranges from biochemical to organismal levels and the comparative method is emphasized in the examination of physiological adaptations required to live in a variety of environments. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during fall term of even-numbered years. Biochemistry (CHEM 401 and 402) and senior standing are recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C- AND CHEM 321 Minimum Grade: C- AND CHEM 321L Minimum Grade: C- AND CHEM 322 Minimum Grade: C- AND CHEM 322L Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T AND CHEM 321 Minimum Grade: T AND CHEM 321L Minimum Grade: T AND CHEM 322 Minimum Grade: T AND CHEM 322L Minimum Grade: T)

**BIOL 408. Developmental Biology.** 4 hours. A lecture and laboratory exploration of the principles of cellular differentiation, morphogenesis, and development with emphasis on underlying genetic mechanisms. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 411. Comparative Anatomy.** 4 hours. An integrated lecture/laboratory investigation of the anatomy and functional morphology of the major groups of chordates and vertebrates with emphasis on the comparative method, anatomical changes through evolutionary history, and inferential reconstruction of phyletic evolutionary descent. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during fall term of odd-numbered years.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 417. Vascular Plant Systematics.** 4 hours. A study of the vascular plants, including taxonomy and identification, reproduction, evolution, ecological relations, collection, and preservation. Course includes three hours of lecture and three hours of laboratory per week and is offered during fall term of odd-numbered years.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum

Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330  
Minimum Grade: T AND BIOL 332 Minimum Grade: T)  
**BIOL 420. Mycology.** 4 hours. A study of the biology of fungi with emphasis on their identification, classification, morphology, development, ecology, and economic significance. Course includes three hours of lecture and three hours of laboratory per week and is offered in spring term of odd-numbered years.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 423. Plant Physiology.** 4 hours. A study of the mechanisms of plant function throughout development from seeds through reproduction. This course includes consideration of metabolisms (photosynthesis, respiration, mineral nutrition), water relations, gas exchange and developmental growth in response to hormones. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during fall term of even-numbered years. Successful completion of, or concurrent registration in, years. Successful completion of, or concurrent registration MATH 205 and PHYS 221 is recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 430. Plant Ecology.** 4 hours. A study of the physiological mechanisms underlying plant responses to abiotic constraints. Topics will include the function of plants and plant communities in relation to soils, climate, other plants, animals, and human activity. Course includes 3 hours of lecture and 3 hours of laboratory/field exercises per week and is offered during spring term of even-numbered years. BIOL 417 is recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 440. Invertebrate Zoology.** 4 hours. A survey of the major groups of invertebrate animals from the Protozoa through Chordata with emphasis on anatomy, ecology, evolution, physiology, and taxonomy. Relationships will be demonstrated through study of selected invertebrate types including marine, freshwater, and terrestrial species. Course includes 3 hours of lecture and 3 hours of laboratory per week and is offered during spring term of even-numbered years.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum

Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330  
Minimum Grade: T AND BIOL 332 Minimum Grade: T)  
**BIOL 448. Microbiology.** 4 hours. The study of bacteria, fungi, protozoans, and viruses with emphasis on their morphology, physiology, and medical and ecological interactions with human populations. Laboratory exercises are designed to provide experience in handling microorganisms, identification of bacteria, isolation of bacteriophages, and other basic principles of microbiology. Course includes 3 hours of lecture and 3 hours of laboratory per week. Chemistry 321/321L and Chem 322/322L are recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 450. Immunology.** 4 hours. Introduction to the cellular and molecular participants in the immune response. Discussion of the relationship between immune mechanisms and medical problems such as allergy, AIDS, malignancy, infection, and organ transplantation. Course includes laboratory experiences in cellular immunology, immunoelectrophoresis, and ELISA. Course includes 3 hours of lecture and 3 hours of laboratory per week.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C- AND BIOL 448 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T AND BIOL 448 Minimum Grade: T)

**BIOL 451. Endocrinology.** 3 hours. The study of the production, regulation, and function of classical hormones and paracrine regulatory molecules. Emphasis will be placed on human endocrinology, but the material will also include discussions of the evolution of hormone families and comparisons between species. Class activities will include histological study of endocrine tissue, videos of hormonal action, analysis of experiments in journal articles and discussions of medical case histories. Course includes 3 hours of lecture per week and is offered during the fall term of even-numbered years.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 460. Ornithology.** 3 hours. An integrated lecture and laboratory course covering the major taxonomic groups of birds, their ecology, evolutionary fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Lecture topics are supplemented with laboratory and field identification. Course includes three hours of lecture per week and is offered during spring term of odd-numbered years. Additional laboratory/field exercises are required.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 461. Entomology.** 3 hours. Biology of the insects with emphasis on anatomy, physiology, natural history, life cycles, evolution, and identification of major groups. Collection of local species required. Students should meet with instructor during spring or summer prior to enrolling. Course includes 3 hours of lecture per week and is offered during fall term of odd-numbered years. Additional laboratory/field exercises are required.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 463. Ichthyology.** 3 hours. An integrated lecture and laboratory course covering the major economic groups of fishes, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes three hours of lecture per week and is offered during fall term of odd-numbered years. Additional laboratory/field exercises are required.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 464. Mammalogy.** 3 hours. An integrated lecture and laboratory course covering the major taxonomic groups of mammals, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes 3 years. Additional laboratory/field exercises are required.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 467. Wildlife Management.** 2 hours. Study of the ecological foundation, historical development, techniques, and current perspectives and challenges in wildlife management. Course includes two hours of lecture per week and is offered during fall term of even-numbered years. MATH 205 is recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T) OR (BIOL 330 Minimum Grade: C- AND GEOG 212 Minimum

Grade: C-) OR (BIOL 330 Minimum Grade: T AND GEOG 212 Minimum Grade: T)

**BIOL 468. Vegetation/Habitat Management.** 2 hours. A study of the composition, structure and productivity of vegetation with emphasis on ecological applications in creating and managing wildlife habitat.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 330 Minimum Grade: C- AND GEOG 212 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T) OR (BIOL 330 Minimum Grade: T AND GEOG 212 Minimum Grade: T)

**BIOL 469. Fisheries Management.** 2 hours. A study of the ecological foundation, historical development, techniques, and current perspectives and challenges in inland fisheries management. Emphasis will be on the application of scientific management of fishes, their habitats, and managing human use of inland fisheries. Fisheries management does not include a separate laboratory section, but will include various field trips to give students the opportunity to observe and apply management techniques discussed in class. Course includes three hours of lecture per week and is offered during fall term of odd-numbered years. MATH 205 is recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 471. Herpetology.** 3 hours. An integrated lecture and laboratory course covering the major taxonomic groups of amphibians and reptiles, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes three hours of lecture per week and is offered during fall term of even-numbered years. Additional laboratory/field exercises are required.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 476. Molecular Biology I.** 4 hours. An introduction to the study of nucleic acids, genomes and molecular mechanisms with emphasis on genome organization, gene expression, and the techniques used in the study of molecular biology. Laboratory exercises will include standard methodologies such as restriction mapping, cloning, hybridization, DNA libraries, and PCR. Course includes three hours of lecture and four hours of laboratory per week. Senior standing is recommended.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade:

C- AND BIOL 448 Minimum Grade: C- AND CHEM 401 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T AND BIOL 448 Minimum Grade: T AND CHEM 401 Minimum Grade: T)

**BIOL 477. Molecular Biology II.** 4 hours. This course is designed to provide students with an in-depth understanding of functional genomics and bioinformatics. Topics discussed include structure and anatomy of DNA, sequences and other methods used in decoding DNA, genes, and entire genomes, gene expression profiling, gene annotation, homology, clusters of ortholog genes, protein structure function, high throughput functional assays, and experimental perturbation of genomes for medical purposes. Examples presented in the course illustrate the role of functional genomics in drug design, gene discovery, and in designing individual therapies for a variety of diseases and disorders. Laboratory exercises will give students experience in handling and interpreting biological data using various computational methods.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C- AND CHEM 401 Minimum Grade: C- AND BIOL 476 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T AND CHEM 401 Minimum Grade: T AND BIOL 476 Minimum Grade: T)

**BIOL 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**BIOL 480. Natural Hist/World Regions Sem.** 1 hours. This seminar course is a prerequisite for the corresponding field trip course that explores the natural history of selected regions of the world. Emphasis will be placed on geology, flora, fauna, and ecology of the selected region. Examples of world regions to be studied include the Galapagos Island and Eastern/Southern Africa. The corresponding field trip course is offered for declared science or mathematics majors in good standing.

Prerequisites: (BIOL 203 Minimum Grade: C- AND BIOL 203L Minimum Grade: C- AND BIOL 204 Minimum Grade: C- AND BIOL 204L Minimum Grade: C-) OR (BIOL 203 Minimum Grade: T AND BIOL 203L Minimum Grade: T AND BIOL 204 Minimum Grade: T AND BIOL 204L Minimum Grade: T)

**BIOL 482. Natural Hist of Wrld Regions.** 2 hours. This field course, offered during winter, spring, or summer break for declared science or mathematics major in good standing, explores the natural history of selected regions of the world. Emphasis will be placed on geology, flora, fauna, and ecology of the selected region. Examples of world regions to be studied include the Galapagos Islands and Eastern/Southern Africa. Prerequisites: BIOL 480 Minimum Grade: C- OR BIOL 480 Minimum Grade: T

**BIOL 484. Topics in Wildlife Mgmt.** 3 TO 5 hours. This course will examine issues related to Wildlife Management at local, national, and international levels. The emphasis will be on identifying current challenges faced by National Parks and

other wildlife preserves and developing possible resource managers and stakeholders to develop comprehensive plans to address development, tourism, and poaching.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 492. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 493. Thesis I.** 1 hours. First in a series of two capstone courses for biology majors designed to review and synthesize their biological background. The emphasis is on writing an independent research paper, or formal literature review of a selected topic in biology. Emphasis is on writing as a process and effective peer review. Course includes 2 hours of lecture per week. A minimum of six credit hours of 400- level biology coursework with grades C or better, or permission of the biology department is required.

Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 330 Minimum Grade: C- AND BIOL 332 Minimum Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 330 Minimum Grade: T AND BIOL 332 Minimum Grade: T)

**BIOL 494. Thesis II.** 1 hours. Second in a series of two capstone courses for biology designed to review and synthesize their biological background. The emphasis is on developing oral presentation skills. Students will prepare and deliver several short oral presentations as well as one formal seminar on a biological topic. Course includes two hours of lecture per week.

Prerequisites: BIOL 493 Minimum Grade: C- OR BIOL 493 Minimum Grade: T

**BIOL 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BIOL 579. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**BIOL 592. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BIOL 599. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**BUS 103. Introduction to Business.** 3 hours. An overview of business and economics for the non-major, and a first step for all business majors. The course both defines and applies the fundamental principles of economics, management, marketing, management information systems (MIS), accounting and finance, including personal finance.

**BUS 105. Introduction to Agribusiness.** 3 hours. An introductory course designed to provide students with a basic background in agribusiness issues and practices to give them the foundation to be successful in upper level agribusiness

courses and meet expectations for basic knowledge in agribusiness relationships.

**BUS 114. Personal Finance.** 3 hours. An introductory course designed to expose students to practical means of making decisions on a host of financial dilemmas: banking, budgeting, consumer protection laws, credit, housing, insurance, interest, investments, and retirement.

**BUS 120. Bus Computer Applications I.** 3 hours. The focus of this course is to provide first and second year students with the computer and information system skills to support computer requirements for the School of Business program and meet essential business career demands. The course will cover an introduction to computers and information system technologies. In addition, the goal of the course is to learn basic skills in the Windows operating system, Internet essentials, and Microsoft Office.

**BUS 179. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**BUS 192. Workshops.** 1 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 199. Individual Studies.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BUS 207. Principles of Accounting I.** 3 hours. Course begins with necessary bookkeeping skills for recording simple financial transactions and preparing basic financial statements. Theory behind accounting rules is emphasized so the student can apply knowledge gained to ever changing real-world situations.

**BUS 208. Principles of Accounting II.** 3 hours. Continuation of Bus 207. Covers accounting for capital provided through the partnership and corporate forms of business enterprise. At the conclusion of this course, the student will be able to read and interpret the three principal financial statements: the income statement, balance sheet, and statement of changes in financial position. Topics related to managerial accounting also covered.

Prerequisites: BUS 207 Minimum Grade: C OR BUS 207 Minimum Grade: C- OR BUS 207 Minimum Grade: T OR BUS 207 Minimum Grade: C-

**BUS 211. Business Law.** 3 hours. Study of the legal principles pertaining to contracts, agency, negotiable instruments, corporations, partnerships, and government regulations. Research of actual cases is required.

**BUS 265. Business Communications.** 3 hours. Emphasizes advanced business writing, verbal and non-verbal expression and communication, and presentation skills for contemporary business environments. This course explores the communication process used to strengthen personal and thus business relationships by preparing specific forms of business communication. Team communication, ethical communication, and multi-cultural communication are discussed in this course. Prerequisites: (BUS 120 Minimum Grade: C- AND ENG 101 Minimum Grade: C-) OR (BUS 120 Minimum Grade: T AND ENG 101 Minimum Grade: T) OR (BUS 120 Minimum Grade: C- AND ENG 101 Minimum Grade: C-)

**BUS 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**BUS 292. Workshop.** 1 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 299. Individual Studies.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BUS 301. Computerized Accounting.** 1 hours. Introduction to Computerized Accounting using a cloud based general ledger/subsidiary ledger system. Activities include establishing and maintaining the general ledger account, entering transactions and journal entries and producing reports.

**BUS 304. Principles of Marketing.** 3 hours. Description and analysis of the marketing mix variables (Price, Place, Product, Promotion). Study of the various institutions involved in marketing. Emphasis on the methods available to marketers for building long-term relationships with customers. The importance of a customer perspective is stressed.

Prerequisites: BUS 103 Minimum Grade: C- OR BUS 103 Minimum Grade: T OR BUS 103 Minimum Grade: C-

**BUS 305. Intermediate Accounting I.** 4 hours. The first of a two-course sequence of Intermediate Accounting designed to develop a framework for the role financial accounting plays in the world of business. A study of the conceptual basis of accounting will be conducted, creating a more in-depth understanding of the preparation and interpretation of financial statements and related information. This course will focus on the study of modern-day accounting theory and application of generally accepted accounting principles to various topics and financial statement elements. Students will be introduced to the U.S. Accounting Standards Codification and basic research tools.

Prerequisites: BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: T OR BUS 208 Minimum Grade: C-

**BUS 306. Intermediate Accounting II.** 4 hours. The second of a two-course sequence of Intermediate Accounting designed to develop a framework for the role financial accounting plays in the world of business. A study of the conceptual basis of accounting will be conducted, creating a more in-depth understanding of the preparation and interpretation of financial statements and related information. This course will focus on the study of modern-day accounting theory and application of generally accepted accounting principles to various topics and financial statement elements. Students will continue their use of the U.S. Accounting Standards Codification as a research tools.

Prerequisites: BUS 305 Minimum Grade: C- OR BUS 305 Minimum Grade: T

**BUS 307. Managerial Cost Accounting I.** 3 hours. Principles and methods of recording and interpreting cost data. Major emphasis on developing accounting information for planning, control, and decision making.

Prerequisites: BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: T

**BUS 308. Managerial Cost Accounting II.** 3 hours. Principles and methods of recording and interpreting cost data. Major

emphasis on developing accounting information for planning, control, and decision making.

Prerequisites: BUS 307 Minimum Grade: C- OR BUS 307 Minimum Grade: T

**BUS 312. Web Design I.** 3 hours. The purpose of the course is to introduce students to techniques to create Web pages suitable for coursework, professional purposes, and personal use, as well as expose students to proper Web site design and management techniques. The students will learn the fundamentals of developing Web pages using XHTML, HTML, and a WYSIWYG program such as Dreamweaver. The approach of the course is to promote curiosity and independent exploration of World Wide Web resources and to develop an exercise-oriented approach that allows students to learn by example.

Prerequisites: BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T

**BUS 313. Meth of Teaching Bus Education.** 3 hours. Topics include high school business curriculum, high school business student organizations, distributive education, cooperative office education, vocational certification, business textbook catalogs, equipment, and classroom techniques using learning styles and multimedia methods. Students must take this course concurrently with courses in the senior block in education prior to the student teaching semester. These courses include: ED 416, ED 426, ED 429, ED 436, and ED 436L. A background check must be completed through the Department of Teacher Education before a student can do any field experience hours. Students must be enrolled in the Teacher Education Program before they can enroll for this course. 60 hours of field experience observing secondary business education required for this class.

Prerequisites: (BUS 120 Minimum Grade: C- AND BUS 207 Minimum Grade: C- AND BUS 208 Minimum Grade: C- AND ED 200 Minimum Grade: C- AND ED 220 Minimum Grade: C- AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1) OR (BUS 120 Minimum Grade: T AND BUS 207 Minimum Grade: T AND BUS 208 Minimum Grade: T AND ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1)

**BUS 315. Sales and Sales Management.** 3 hours. This course is designed to introduce students to management techniques as they relate specifically to the marketing and sales area. Topics covered include: the selling process, compensation systems, motivation and leadership, time and territory management, sales forecasting, quotas, and evaluating the sales force.

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T

**BUS 316. Public and Nonprofit Mgmt.** 3 hours. This course is designed to examine public and nonprofit management. This type of management is driven by mission and/or executive/legislative directions. It is not about the bottom line or profit. Students will learn both the theory and practice of public and nonprofit management, using the concept case method and service learning opportunities.

**BUS 318. Business Statistics.** 3 hours. Provides a basic understanding of the fundamental principles with emphasis on

the application of statistical techniques to the analysis and solution of real business problems.

Prerequisites: MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: T

**BUS 320. Bus Computer Applications II.** 3 hours. The focus of this course is to explore application software on a comprehensive level to gain expertise to support decision-making and manage information. Study includes intermediate Word and Excel applications; intermediate to advanced PowerPoint; intermediate Access, integration of Office applications, and an introduction to HTML and building web pages.

Prerequisites: BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T

**BUS 321. Survey of Operating Systems.** 3 hours. This course is designed as an introduction to operating systems. It is intended for students with a basic background in computing systems. The first portion of the course presents the basic concepts of operating systems, which are platform independent. The second portion of the course covers specific issues with four operating systems in widespread use today. Prerequisites: BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T

**BUS 323. Computerized Accounting.** 1 hours. Designed to develop student's basic and applied understanding of accounting information systems. Emphasis placed on obtaining hands-on experience with a computer and familiarity with a number of accounting software programs.

Prerequisites: BUS 207 Minimum Grade: C- OR BUS 207 Minimum Grade: T

**BUS 324. Data Communications & Network.** 3 hours. Network+Guide to Networks, Fourth Edition is designed to prepare users for Comp TIA's newly-revised 2005 Network+ certification exam and will also offer mapping features to the exam objectives. Within this course there is current coverage of networking hardware and software along with the skills necessary to succeed in the dynamic field of networking. Students will acquire thorough explanations of networking fundamentals such as protocols, network design and implementation, and troubleshooting and support.

Prerequisites: BUS 320 Minimum Grade: C- OR BUS 320 Minimum Grade: T

**BUS 331. Bus Application Programming.** 1 hours. This course is the Business Administration MIS emphasis continuation course of CSCI 207. The course continues introducing fundamental principles and concepts of developing programs that support typical business processing activities and needs such as transaction processing and report generation. Students will document systems and programs. Translate user needs to system requirements. Configuration management and system testing is introduced.

Prerequisites: BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T

**BUS 335. Consumer Behavior.** 3 hours. Study of consumer behavior as it relates to the marketing functions. Emphasis on the models of consumer behavior and their application to practical marketing problems.

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T OR BUS 304 Minimum Grade: C-

**BUS 345. Advertising.** 3 hours. Discusses the history, purposes, and regulations of the advertising industry. Topics covered include creative principles, media advantages and disadvantages, media planning, regulation of advertising, and coordination with other promotion activities.

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T OR BUS 304 Minimum Grade: C-

**BUS 355. Individual Income Taxation.** 4 hours. This course involves the study of federal income tax on individual and property transactions. Objectives of taxation are given major emphasis. The Internal Revenue Code is discussed in addition to textbook material in order to acquaint the student with the ultimate source of tax law. Income tax return problems and tax cases may be assigned to provide practical application of the tax law.

Prerequisites: (BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: T)

**BUS 356. Retailing.** 3 hours. Study of marketing and management problems faced in the operation of a retail business. Emphasis is given to techniques for solving problems in location, management, and merchandising, especially with the integration of Internet retailing (E-Tailing) as both a competitor and an extension of the storefront business.

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T

**BUS 358. Accounting Ethics.** 3 hours. Ethics as it applies to the accounting and auditing professions and will be the focus of this course. Emphasis will be on the concept of independence, along with integrity, objectivity, ethical reasoning, and other core values necessary for a high level of professional ethics in the accounting profession.

Prerequisites: (BUS 306 Minimum Grade: C- OR BUS 306 Minimum Grade: T)

**BUS 360. Govt & Institution Accounting.** 3 hours. Study of accounting procedures related to governmental units and nonprofit institutions.

Prerequisites: BUS 305 Minimum Grade: C- OR BUS 305 Minimum Grade: T

**BUS 361. Principles of Management.** 3 TO 4 hours. Explores theory and practice of managing an organization and its personnel with emphasis on planning, designing, and controlling to meet the needs of modern public or private organizations. Includes emerging trends and international issues.

**BUS 362. Human Resource Management.** 3 hours. Analysis of techniques used to organize, motivate, and manage personnel in public or private organizations. Includes case studies and examines current literature and the current legal environment..

Prerequisites: BUS 361 Minimum Grade: C- OR BUS 361 Minimum Grade: T OR BUS 361 Minimum Grade: C-

**BUS 363. Managerial Finance.** 3 hours. A comprehensive study of the field of finance, covering institutions, financial markets, investments, and financial theory and techniques relating to financial decisions in business. Topics include risk and rates of return, time value of money, stocks and bonds characteristics and valuation, cost of capital, capital budgeting techniques, dividend policy, analysis of financial statements, and working capital policy.

Prerequisites: (BUS 208 Minimum Grade: C- AND ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-) OR (BUS 208 Minimum Grade: T AND ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T) OR (BUS 208 Minimum Grade: C- AND ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-)

**BUS 364. Agribusiness Management.** 3 hours. Management issues of agricultural businesses such as the forms of ownership, financial statements, analysis, and planning, investment analysis, strategic marketing, management of organizations, and human resources management.

Prerequisites: (BUS 105 Minimum Grade: D AND BUS 207 Minimum Grade: D AND BUS 363 Minimum Grade: C-) OR (BUS 105 Minimum Grade: T AND BUS 207 Minimum Grade: T AND BUS 363 Minimum Grade: T) OR (BUS 105 Minimum Grade: C- AND BUS 207 Minimum Grade: C- AND BUS 363 Minimum Grade: C-)

**BUS 365. Small Bus Mngmnt/Entrepreneur.** 3 hours. This course presents the techniques and information necessary to create a comprehensive business plan for an entrepreneurial idea. Coursework addresses feasibility analysis, management, marketing, technology, and financial plans, culminating in presentation of a viable business plan.

Prerequisites: (BUS 207 Minimum Grade: C- AND BUS 208 Minimum Grade: C- AND BUS 304 Minimum Grade: C- AND BUS 361 Minimum Grade: C-) OR (BUS 207 Minimum Grade: T AND BUS 208 Minimum Grade: T AND BUS 304 Minimum Grade: T AND BUS 361 Minimum Grade: T) OR (BUS 207 Minimum Grade: C- AND BUS 208 Minimum Grade: C- AND BUS 304 Minimum Grade: C- AND BUS 361 Minimum Grade: C-)

**BUS 367. Financial Analysis.** 3 hours. Examination of techniques for analyzing, understanding, and applying financial information in decision situations. Topics start with financial statement analysis, development of financial models, financial forecasting, cost of capital estimation, and ends with company valuation. In addition, there will be a hands on" project to provide students with experience in analyzing and understanding a corporate annual report using EXCEL spread sheet analysis."

Prerequisites: (BUS 320 Minimum Grade: C- AND BUS 363 Minimum Grade: C-) OR (BUS 320 Minimum Grade: T AND BUS 363 Minimum Grade: T)

**BUS 368. Financial Institutions.** 3 hours. The course focuses on managing return and risk in modern financial institutions. It examines the financial services industry risk of financial intermediation, measurement of interest rate risk, credit and market risk, individual loan and liquidity risks, as well as off-

balance sheet and sovereign risks. The course covers management of assets and liabilities, capital adequacy and depository insurance. Futures, forwards, options, caps, floors, collars, swaps and securitization will be also covered.

Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 370. Understand/Troubleshoot PC.** 3 hours. Gain a basic understanding of how personal computers work. Topics include hardware, how hardware and software work together, understanding the motherboard, the CPU, and troubleshooting basics, managing memory, understanding, installing, and troubleshooting disk drives, supporting input, output, and multimedia devices, supporting printers, installing and using Windows XP Professional, managing and supporting Windows XP, connecting PC's to networks and the Internet, purchasing or building a personal computer, and maintenance and troubleshooting fundamentals.

Prerequisites: BUS 320 Minimum Grade: C- OR BUS 320 Minimum Grade: T

**BUS 371. Payroll Acctg & Taxation.** 3 hours. This course is devoted to the principles of payroll computations and administration including creation and maintenance of payroll records as well as proper payroll tax depositing and reporting. Prerequisites: (BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: T)

**BUS 373. Investment Analysis.** 3 hours. Bus 318 recommended. The course is a study of personal investment planning, traditional and alternative investment vehicles, investment media, investment strategy, and portfolio analysis. The student will become familiar with both money market and capital investment markets as well as strategies for assessing returns and risks of various security instruments.

Prerequisites: (BUS 208 Minimum Grade: C- AND BUS 363 Minimum Grade: C- AND ECON 255 Minimum Grade: C-) OR (BUS 208 Minimum Grade: T AND BUS 363 Minimum Grade: T AND ECON 255 Minimum Grade: T)

**BUS 375. Simulation.** 3 hours. Introduction to computer simulation and modeling of real-world systems. Topics include system analysis and modeling; principles of computer simulation methodologies; data collection and analysis; selecting distributions; simulation using special simulation languages; analysis of results; and selecting alternative systems.

Prerequisites: MATH 360 Minimum Grade: C- OR MATH 360 Minimum Grade: T OR MATH 360 Minimum Grade: C-

**BUS 377. Agricultural Taxation.** 3 hours. This course is devoted to specific income tax laws associated with agricultural business to include farmers and ranchers both as individuals and as part of taxable entities.

Prerequisites: (BUS 355 Minimum Grade: C- OR BUS 355 Minimum Grade: T)

**BUS 378. Commodities/Risk Management.** 3 hours. The goal of this course is to provide students with knowledge of risk management for agricultural endeavors as well as practical knowledge of how the futures and options markets work, how to manage risk involved in agriculture production or operation, and various tools available to manage specific situations. Bus 103 Intro to Business or instructor consent. Bus 105 Intro to

Agribusiness or instructor consent. Bus 318 Principles of Management or instructor consent.

Prerequisites: (BUS 103 Minimum Grade: D AND BUS 105 Minimum Grade: D AND BUS 318 Minimum Grade: C-) OR (BUS 103 Minimum Grade: T AND BUS 105 Minimum Grade: T AND BUS 318 Minimum Grade: T)

**BUS 379. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**BUS 381. Business Internship I.** 1 TO 3 hours. Junior standing and approval of the department chair required. The internships are planned, meaningful work experiences that are academic in nature. Supervision consists of a site supervisor who is a qualified professional in the business or organization where the internship is arranged and a faculty sponsor who is a full-time professor in the School of Business, usually from the student's major. The site supervisor evaluates the work performed by the student on the job. The faculty sponsor is responsible for maintenance of academic quality and assigns the course grade. (30 contact hours=1 credit hour)

**BUS 382. Database & Information Mngmnt.** 3 hours. This course provides the students with an introduction to the core concepts in data and information management. It is centered around the core skills of identifying organizational information requirements, modeling them using conceptual data modeling techniques, converting the conceptual data models into relational data models and verifying its structural characteristics with normalization techniques, and implementing and utilizing a relational database using an industrial-strength database management system. The course will also include coverage of basic database administration tasks. In addition to developing database applications, the course helps the students understand how large-scale packaged systems are highly dependent on the use of DBMSs. Building on the transactional database understanding, the course also provides an introduction to data and information management technologies that provide decision support capabilities under the broad business intelligence umbrella. Prerequisites: BUS 331 Minimum Grade: C- OR BUS 331 Minimum Grade: T

**BUS 383. Int'l Financial Mgmt.** 3 hours. A comprehensive study of international financial markets that covers currency exchange mechanisms in theory and practice. In line with the rapid globalization of the economy, the goal of this course is to analyze the international financial environment and how managers function in this increasingly uncertain global environment. The course will focus on three main areas of international finance: international financial environment, exchange rate behavior, and exchange risk management. Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 384. Natural Resources/Water Law.** 3 hours. The goal of this course is to provide students with knowledge of the regulatory responsibilities related to agriculture production and operations with respect to natural resources and water. The course will cover federal, state, and local requirements as well as application to agribusiness endeavors.

Prerequisites: (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND BUS 211 Minimum Grade: C-) OR



(BUS 103 Minimum Grade: T AND BUS 105 Minimum Grade: T AND BUS 211 Minimum Grade: T)

**BUS 385. Sports Marketing.** 3 hours. Illustrates the dynamic, progressive and influential nature of sports marketing. Explores the sport marketing concept as a consumer-driven, integrated, goal-oriented philosophy for a team, event, organization or athlete. Topics covered include: athletic endorsements, team sports, event sponsorships and alternative sports.

**BUS 386. Principles of Real Estate.** 3 hours. Broad analysis of real estate principles including legal description, agency and listing agreements, financing, property management, fair housing, appraisal tax considerations, closing, record keeping, and trust accounts. Partially satisfies requirements to sit for state Licensing exam.

Prerequisites: BUS 211 Minimum Grade: C- OR BUS 211 Minimum Grade: T

**BUS 387. Colo Real Estate Contracts.** 3 hours. Provides an in-depth understanding of Colorado peculiar real estate law including state approved contracts for the listing and sale of property, the uniqueness of being legally able to prepare legal documents associated with the closing of the sale property. This course also prepares the student to sit for the Colorado Real Estate Licensing Exam, and provides an overall understanding of real property ownership as it applies to real life situations that almost all students will encounter after graduation.

Prerequisites:

**BUS 388. Real Estate Closing/Prac Apps.** 3 hours. This course consists of two parts. Part one contains an introduction to real estate closing and prorations and explains the Real Estate Settlement Procedures Act (RESPA). Part two covers practical applications, educates the student on the material which will be covered on the State License Exam, and walks the student through the process of closing and explains the documents that will be encountered.

Prerequisites: BUS 386 Minimum Grade: C- OR BUS 386 Minimum Grade: T

**BUS 392. Workshops.** .33 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 394. Women & Pwr:Gender,Bus, Ldrshp.** 3 hours. The rise of women into powerful leadership roles in business, politics, and entrepreneurship is among one of the most profound social transformations in recent decades. This course examines contemporary issues relevant to women as leaders. Topics include recent research on women and applied leadership in the workplace; skills and strategies for negotiation, coalition-building and influencing the career path to leadership, and discussions by women from diverse personal and professional backgrounds with similar levels of career achievement.

**BUS 398. Farm and Ranch Management.** 3 hours. The application of economic and business principles to the management and operation of farms and ranches for decision making purposes.

Prerequisites: (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND BUS 207 Minimum Grade: C- AND BUS 361 Minimum Grade: C-) OR (BUS 103 Minimum Grade:

T AND BUS 105 Minimum Grade: T AND BUS 207 Minimum Grade: T AND BUS 361 Minimum Grade: T)

**BUS 399. Individual Studies.** 1 TO 4 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BUS 401. Organizational Behavior.** 3 hours. Participants in the course will explore the theory of human relations in organizations. The emphasis will be on the application of behavioral science knowledge to contemporary organizational issues, which may include individual and group dynamics, motivation, leadership, organizational change, and development.

Prerequisites: BUS 361 Minimum Grade: C- OR BUS 361 Minimum Grade: T

**BUS 404. Advanced Business Statistics.** 3 hours. Involves in-depth study of analysis of variance and takes up topics of correlation, multiple regression, and statistical designs as they relate to business problems.

Prerequisites: BUS 318 Minimum Grade: D OR BUS 318 Minimum Grade: T

**BUS 405. Advanced Accounting.** 4 hours. Bus 405 involves preparation and study of the need for consolidated financial statements. Additionally, it examines accounting problems associated with partnerships and foreign currency transactions.

Prerequisites: BUS 306 Minimum Grade: C- OR BUS 306 Minimum Grade: T OR BUS 306 Minimum Grade: C-

**BUS 407. Auditing I.** 3 hours. Study of ethical standards, auditing standards, audit procedures, and evolution of internal control to learn how financial statements are examined and audit reports prepared in accordance with Generally Accepted Auditing Standards.

Prerequisites: (BUS 305 Minimum Grade: C- OR BUS 305 Minimum Grade: C- OR BUS 305 Minimum Grade: T) AND (BUS 306 Minimum Grade: T OR BUS 306 Minimum Grade: C- OR BUS 306 Minimum Grade: C-) AND (BUS 318 Minimum Grade: C- OR BUS 318 Minimum Grade: C- OR BUS 318 Minimum Grade: T)

**BUS 409. Fraud Examination.** 3 hours. This class will explain how occupational fraud is committed, how fraudulent conduct can be deterred and how allegations of fraud should be investigated and resolved.

Prerequisites: BUS 207 Minimum Grade: C- AND (BUS 208 Minimum Grade: C-) OR BUS 207 Minimum Grade: T AND (BUS 208 Minimum Grade: T)

**BUS 410. Office Management.** 3 hours. Analysis of principles, problems, and methods of scientific office management. Study of management information systems.

Prerequisites: BUS 370 Minimum Grade: D OR BUS 370 Minimum Grade: T

**BUS 411. Information & Records Mgmt.** 3 hours. Furnishes guidelines for the establishment, implementation, and maintenance of manual and computerized records control programs in all types of organizations from small, individually-owned business to large corporations, as well as governmental units at the local, state, regional, and national levels.

Prerequisites: BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T

**BUS 414. Commercial Banking.** 3 hours. Bank Management is an in-depth study of banking institutions, with special emphasis on commercial banks and their connection to the Federal Reserve System and other financial institutions. A risk management perspective is adopted, and the fast changing global regulatory and financial environments are discussed. A Uniform Bank Performance Report will be analyzed.

Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 416. Business Financial Problems.** 3 hours. Emphasis on financial decision-making within the firm using case studies as the primary activity. Topics include financial goals and strategy, financial analysis and forecasting, capital budgeting, capital structure decisions, dividend policy, and firm valuation.

Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 417. Web Design II/e-Commerce.** 3 hours. This course covers the design, implementation and testing of web-based applications including related software, databases, interfaces, and digital media. It also covers social, ethical, and security issues arising from the Web and social software. Student will also turn a static Web site into a dynamic, e-commerce site using a WYSIWYG. Users create robust Web sites using the database features of a WYSIWYG and explore thee-Commerce capabilities. Students use these tools to turn the static pages into a powerful, interactive Web Site.

Prerequisites: (BUS 312 Minimum Grade: C- AND BUS 331 Minimum Grade: C- OR CSCI 245 Minimum Grade: C-) OR (BUS 312 Minimum Grade: T AND BUS 331 Minimum Grade: T OR CSCI 245 Minimum Grade: T)

**BUS 418. Leadership Strategies.** 3 hours. This course presents contemporary theories and approaches to leadership practices in modern organizations. Students learn how effective leadership can assist in the creation of a strong organizational culture and the implications external forces have on individual leadership development and continued growth.

Prerequisites: BUS 361 Minimum Grade: C- OR BUS 361 Minimum Grade: T OR BUS 361 Minimum Grade: C-

**BUS 419. Organizational Change/Develop.** 3 hours. The study of planned and unplanned change in organizations to include diagnosis, planning, and implementation of organizational change initiatives. Emphasis is on teamwork within organizations and survey development.

Prerequisites: BUS 361 Minimum Grade: C- OR BUS 361 Minimum Grade: T

**BUS 425. Systems Analysis.** 3 hours. This course provides an introduction to systems analysis and design. Topics include analyzing the business case, requirements modeling, data and process modeling, and development strategies. Students also learn about output and user interface design, data design, systems architecture and implementation, and systems operations, support and security.

Prerequisites: BUS 320 Minimum Grade: C- OR BUS 320 Minimum Grade: T

**BUS 426. Money & Capital Markets.** 3 hours. Discussion of how financial markets are organized, their role in the allocation of funds to various market segments, and the interaction between financial markets. Topics include aggregate flow of

funds analysis, an overview of financial markets, securities markets (money, bond, mortgage, stock, foreign exchange, derivative securities), as well as commercial banks, insurance and securities companies, mutual and pension funds markets. This course also covers financial markets risks and regulations.

Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 427. Financial Risk Management.** 3 hours. An introduction to financial risks including business risk, operational risk and legal risk. Topics include how to identify, measure, compute and manage financial risks. The focus will be on tools and methods for identifying sources of risk and risk factors for hedging, implementing market risk/value at risk (VaR) methods, economic capital and risk adjusted return on assets (RAROC), asset backed securities (ABSs) and collateralized debt obligations (CDOs).

Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 428. Portfolio Management.** 3 hours. An advanced understanding of key issues in the management of portfolios of securities. Specific items to be learned are capital asset pricing model, arbitrage pricing theory, pricing bonds and assessing their price volatility, managing bond portfolios, equity valuation models, efficient market theory, technical and fundamental analysis, active portfolio management, international investing, and investments in equity options and financial futures.

Prerequisites: BUS 373 Minimum Grade: C- OR BUS 373 Minimum Grade: T

**BUS 429. Honor Seminar in Finance.** 3 hours. The course will provide an in-depth study and analysis of contemporary developments and topics of interest in finance. The topics and format will vary and may include financial management, financial institutions, financial markets, financial ethics, international finance and financial economics. The case method is the primary instructional tool.

Prerequisites: (BUS 363 Minimum Grade: C- AND BUS 373 Minimum Grade: C- AND BUS 416 Minimum Grade: C-) OR (BUS 363 Minimum Grade: T AND BUS 373 Minimum Grade: T AND BUS 416 Minimum Grade: T)

**BUS 430. Production & Operations Mgmt.** 3 hours.

Application of managerial decision making techniques. Covers forecasting, inventory models, linear programming, facility layout and the Transportation Model, process selection and capacity planning, design of work systems, location planning, quality control, scheduling, and project management. Available computer package utilized to solve related problems.

Prerequisites: (BUS 318 Minimum Grade: C- AND MATH 104 Minimum Grade: C-) OR (BUS 318 Minimum Grade: T AND MATH 104 Minimum Grade: T)

**BUS 431. Tech Analysis of Stock Trends.** 3 hours.

Advanced studies in technical market analysis and trading, money management, investor psychology and analysis elements are considered. The Focus will be on the study of price action in trading markets, patterns and trends, price behavior of financial securities, trading tactics, and construction of a trading or investment model. The course will

help students prepare for the Chartered Market Technician (CMT) designation.

Prerequisites: BUS 373 Minimum Grade: C- OR BUS 373 Minimum Grade: T

**BUS 432. Srs 7 Gen Securities Ex Review.** 3 hours. The Series 7 License Exam Review course is designed to prepare the student to take the National Association of Securities Dealers General Securities Representative Exam. After passing the Series 7 License exam the candidate can be licensed to sell various types of securities.

Prerequisites: BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T

**BUS 441. International Marketing.** 3 hours. Analysis of opportunities, distinctive characteristics, and emerging trends in foreign markets, including exploration of alternative methods and strategies for entering foreign markets; organizational planning and control; impact of social, cultural, economic, and political differences; and problems of adapting American marketing concepts and methods. This is accomplished through real life planning and implementation of an international marketing plan designed to market a product or service in a foreign country or countries

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T OR BUS 304 Minimum Grade: C-

**BUS 448. Interactive Marketing.** 3 hours. Focuses on relationship marketing, interactive marketing, integration of consumer data, Internet marketing (E-commerce), media advertising, catalogs, mailing lists, telemarketing, and the use of direct marketing techniques to replace or enhance the traditional marketing methods of retail and direct sales.

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T

**BUS 449. Marketing in the 21st Century.** 3 hours. This course provides the practical tools and strategies required to successfully leverage social networks, capitalize on their powerful word-of-mouth lift, and how to measure these interactive marketing efforts. These tools will be used on an actual social media marketing campaign for a business or non-profit entity. Current and future marketing tools will be discussed and evaluated.

Prerequisites: (BUS 304 Minimum Grade: C- AND BUS 448 Minimum Grade: C-) OR (BUS 304 Minimum Grade: T AND BUS 448 Minimum Grade: T)

**BUS 450. Services Marketing.** 3 hours. The economy of the U.S., as well as much of the world economy is dominated by services. Service organizations require a distinctive approach to marketing strategy, both in development and execution. This distinctive approach requires expansion of ideas from other marketing courses to make them specifically applicable to services marketing.

Prerequisites: BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: T

**BUS 454. Market Research & Information.** 3 hours. Study of the theory and methods used in marketing research to address marketing problems. May include the completion of a research project where students learn by performing a research project from problem formulation to writing a research report. Also

prepares the students for evaluating research performed by others.

Prerequisites: (BUS 304 Minimum Grade: C- AND BUS 318 Minimum Grade: C-) OR (BUS 304 Minimum Grade: T AND BUS 318 Minimum Grade: T) OR (BUS 304 Minimum Grade: C- AND BUS 318 Minimum Grade: C-)

**BUS 455. Entity Taxation.** 4 hours. Business 455 concentrates on the federal income tax consequences of the formation, normal operation, and the dissolution of corporations, partnerships, and fiduciaries. Other taxation problems of special interest may be covered.

Prerequisites: BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: T

**BUS 456. Problem Solving Info Dec Sci.** 3 hours. The course will introduce and provide an understanding to the student of decision-making and the information requirements for making decisions. Within the course, the student will use to resolve a problem a business decision support system (DSS) and selection of DSS tools. The course material will provide the student with an understanding of model-based decision support systems and how a DSS can be used as a key element within a managerial decision process. Attention will be paid to how and why such a model is used in a support system environment. The course stresses case-embedded business problems.

Prerequisites: (BUS 120 Minimum Grade: C- AND BUS 318 Minimum Grade: C- OR MATH 340 Minimum Grade: C-) OR (BUS 120 Minimum Grade: T AND BUS 318 Minimum Grade: T OR MATH 340 Minimum Grade: T)

**BUS 460. Marketing Management.** 3 hours. Twelve hours of marketing courses and senior status required. Capstone course in marketing. Study of the problems faced by marketing managers as they make decisions and develop policies.

Prerequisites: BUS 454 Minimum Grade: C- OR BUS 454 Minimum Grade: T OR BUS 454 Minimum Grade: C-

**BUS 465. Est Gft & Fiduc Tax Law.** 3 hours. This course will address the fundamentals of Estate, Gift, and Fiduciary tax law. Topics will include Federal Gift Tax, death transfer tax laws, and fundamentals and reporting returns for estates.

Prerequisites: BUS 455 Minimum Grade: C- OR BUS 455 Minimum Grade: T

**BUS 466. Bus Ethics Decision Making.** 3 hours. This course explores various ethical issues facing business leaders in modern society. Students will utilize current issues to analyze ethical dilemmas and decision-making processes common to modern organizations. Emphasizes critical thinking, critical reading, and the importance of professional ethics.

Prerequisites: BUS 361 Minimum Grade: C- OR BUS 361 Minimum Grade: T OR BUS 361 Minimum Grade: C-

**BUS 470. Project Management.** 3 hours. The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects that will benefit their organizations as well as society. This course discusses the factors necessary for the successful project management. Topics include project management concepts, needs identification, the project manager, teams, project organizations, project communications, project planning, scheduling control, and cost performance. Project

management software tools will be an integral part of the course.

Prerequisites: (BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T) AND (CSCI 209 Minimum Grade: C- OR BUS 430 Minimum Grade: T OR BUS 430 Minimum Grade: C- OR CSCI 209 Minimum Grade: T)

**BUS 478. Agricultural Marketing.** 3 hours. An overview of current marketing methods used for agricultural products and services, including value added marketing.

Prerequisites: (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND BUS 304 Minimum Grade: C- AND BUS 318 Minimum Grade: C-) OR (BUS 103 Minimum Grade: T AND BUS 105 Minimum Grade: T AND BUS 304 Minimum Grade: T AND BUS 318 Minimum Grade: T) OR (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND BUS 304 Minimum Grade: C- AND BUS 318 Minimum Grade: C-)

**BUS 479. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**BUS 480. Global Business Strategies.** 3 hours. Senior status required. Designed to help students understand planning activities, determination of alternatives, policy formulation, execution of plans and development of corporate company strategy as currently used by business enterprises. Involves extensive case study.

Prerequisites: (BUS 207 Minimum Grade: C- OR BUS 207 Minimum Grade: T) AND (BUS 208 Minimum Grade: C- OR BUS 208 Minimum Grade: T OR BUS 208 Minimum Grade: C-) AND (BUS 304 Minimum Grade: T OR BUS 304 Minimum Grade: C- OR BUS 304 Minimum Grade: C-) AND (BUS 361 Minimum Grade: T OR BUS 361 Minimum Grade: C- OR BUS 361 Minimum Grade: C-) AND (BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: C- OR BUS 363 Minimum Grade: T) AND (ECON 255 Minimum Grade: C- OR ECON 255 Minimum Grade: C- OR ECON 255 Minimum Grade: T)

**BUS 481. Business Internship II.** 1 TO 3 hours. Senior standing and approval of the Department Chair required. The internships are planned, meaningful work experiences that are academic in nature. Supervision consists of a site supervisor who is a qualified professional in the business or organization where the internship is arranged and a faculty sponsor who is a full-time professor in the School of Business, usually from the student's major. The site supervisor evaluates the work performed by the student on the job. The faculty sponsor is responsible for maintenance of academic quality and assigns the course grade (30 contact hours=1 credit hour).

**BUS 488. Ag Policy and Farm Bill.** 3 hours. Development and implementation of public policy in agriculture, implications of international competition and trade, and development and interpretation of argument in policy development.

Prerequisites: (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND BUS 318 Minimum Grade: C- AND ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-) OR (BUS 103 Minimum Grade: T AND BUS 105 Minimum Grade: T AND BUS 318 Minimum Grade: T AND ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T) OR (BUS 103 Minimum Grade: C- AND BUS 105

Minimum Grade: C- AND BUS 318 Minimum Grade: C- AND ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-)

**BUS 492. Workshops.** .5 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 498. World Food Distrib/Ag Economics.** 3 hours.

Knowledge and application of economic concepts to the sectors of agriculture including microeconomic and macroeconomic relationships, world markets, and trade.

Prerequisites: (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-) OR (BUS 103 Minimum Grade: T AND BUS 105 Minimum Grade: T AND ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T) OR (BUS 103 Minimum Grade: C- AND BUS 105 Minimum Grade: C- AND ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-)

**BUS 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**BUS 500. Leadership Skills for Managers.** 3 hours. This course teaches practical skills required for effective management at all levels of an organization, and is designed to increase a learner's understanding of key concepts and procedural guidelines related to organizational management, human resource, and leadership. The purpose is to be equipped to deal effectively with managerial challenges dealing with people.

**BUS 505. Creating Consumer Value.** 3 hours. This course presents learners with a comprehensive approach to creating consumer value. This includes marketing and brand management in for-profit firms as well as identifying and meeting consumer needs in non-profit and governmental organizations. Topics include segmentation and targeting of consumers; the positioning levers of product, price, promotion, and distribution; and brand management.

**BUS 510. Global Business Perspectives.** 3 hours. This course deals with management of organizations that operate, directly and indirectly, in more than one country. While the major focus will be the multi-national corporation, management of smaller firms, which only export, will also be considered. The primary emphasis will be on the special management problems, which are unique to multi-national operations.

**BUS 515. Managerial Statistics.** 3 hours. This course introduces the concepts and skills involved in understanding and analyzing research in a variety of areas. The course provides an overview of basic, general knowledge of various research methodologies. This course also enhances students' abilities to locate, read, comprehend, and critically analyze research articles and reports.

**BUS 520. Managerial Accounting.** 3 hours. This course provides a review of financial reporting standards and statements and analysis of those financial statements. Managerial accounting principles will be explored as well as budgeting, cost allocation, accumulation, cost behavior, and relevant costs; revenues are approached from a managers'

perspective. Prerequisite: undergraduate accounting course with a grade of C or higher.

**BUS 525. Financial Analysis.** 3 hours. Students will embark on studying basic financial principles and enhance that with understanding various valuation concepts and methods. Emphasis is also placed on capital budgeting and long term financing as well as working capital management. The course will blend time-tested finance principles and the latest advancements with the practical perspectives of the financial manager. Prerequisite: undergraduate accounting course with a grade of C or higher.

Prerequisites: BUS 520 Minimum Grade: C

**BUS 540. Strategy.** 3 hours. In this course, learners examine tools and techniques for competitive analysis, strategic planning, and strategy implementation. Learners gain knowledge of the tools and concepts needed to develop a business strategy including macro environmental scanning, industry and competitive analysis, value chain analysis, SWOT analysis, identification of critical success factors and driving forces, and development of strategic alternatives and recommendations.

**BUS 545. Leading Entrepreneurial Orgs.** 3 hours.

Successful organizations emphasize learning to sustain their competitive advantage. This course will study entrepreneurship and intrapreneurship. Areas of emphasis include uncovering the methodologies and characteristics that foster innovations and achieve meaningful change in business that leads to the creation and implementation of profitable business opportunities.

**BUS 550. Technology and Innovation.** 3 hours. This course adopts the perspective of a general manager-- an individual charged with diagnosing complex situations and resolving them in ways that enhance organizational performance. The course emphasizes how general management decisions may contribute to the creation and appropriation of economic value through innovation.

**BUS 555. Leading for Results.** 3 hours. This course focuses on how leaders mobilize others within their organization to get extraordinary things done. You will analyze what characteristics you need to develop to achieve your own professional goals and reflect on ways you can develop your competencies as a leader.

**BUS 560. Leadership Capstone.** 3 hours. This capstone course integrates knowledge gained in the previous graduate business courses. It centers on the theme that organizations achieve sustained success when their managers have astute, timely, strategic game plans, and they implement these plans with proficiency. This class incorporates the "big picture" and cuts across the whole spectrum of business and leadership."

**BUS 564. Accounting Ethics.** 3 hours. This course develops the ethical analysis beyond philosophy ethics courses and beyond business ethics courses. Students must have an undergraduate accounting degree, or consent of the instructor prior to registering for this course.

**BUS 565. Advanced Audit.** 3 hours. This course is designed to enhance students' understanding of the fundamental audit concepts, application of audit standards to cases, ethical issues faced by auditors, and analytical review procedures.

Students must have an undergraduate accounting degree, or consent of the instructor prior to registering in this course.

Prerequisites: BUS 490 Minimum Grade: C OR BUS 490 Minimum Grade: T

**BUS 570. Forensic/Investigative Acctng.** 3 hours. This course is to develop the core foundation of knowledge skills and abilities that are necessary to prepare students to be able to recognize the patterns and circumstances surrounding fraud and forensic accounting matters. Students must have an undergraduate accounting degree, or consent of the instructor prior to registering for this class.

**BUS 575. International Accounting.** 3 hours. This course is to familiarize students with the International Financial Accounting Standards. IFRS, including discussions regarding the differences in financial reporting, taxation, and other accounting practices that exist across countries. Students must have an undergraduate accounting degree, or consent of instructor prior to registering for this course.

**BUS 579. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**BUS 580. Public / Nonprofit Management.** 3 hours. This course is designed to examine public and nonprofit management. This type of management is driven by mission and/or executive/legislative direction. Students will learn both the theory and practice of public and nonprofit management, using the concept case method and service learning opportunities.

**BUS 585. Public Budgeting and Finance.** 3 hours. The course is designed to provide the student with an understanding of the primary financial management issues and decisions that confront senior management in the nonprofit and the public sectors. Students will gain an understanding and examine financial analysis techniques from both a practical and strategic perspective for operating and capital decisions.

**BUS 590. Policy Analysis.** 3 hours. This course introduces the study of public policy and analysis. It provides an overview of key policy areas and examines three aspects of public policy study: (a) government institutions and the policy making process, (b) the concepts and methods of policy analysis, and (c) the role of policy analysis in clarifying public problems and helping citizens and policymakers choose from among policy alternatives.

**BUS 592. Workshops.** .33 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**BUS 595. Public Administration Capstone.** 3 hours. The Capstone Course offers each student the opportunity to demonstrate mastery of the theory and practice of public administration by applying the knowledge and skills gained in the MBA-PA program. This involves completing a portfolio project reflecting the cumulative knowledge gained from these experiences.

**BUS 599. Individual Studies.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**CHEM 103. Intro to Forensic Chem-GT-SC1.** 4 hours. This course serves as an introduction to chemistry using a forensics

perspective and is specifically designed for the non-science major. The course is three credits of lecture and has an accompanying one credit of laboratory that count towards general education credit. Does not count towards a major or minor in chemistry.

Prerequisites: A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C-

**CHEM 103L. Intro to Forensic Chem Lab.** 0 hours. Required companion laboratory to CHEM 103.

**CHEM 105. Intro to Gen, Org, & Bio Chem.** 4 hours. A study of the fundamental concepts of general, organic, and biological chemistry. The course is satisfactory for pre-nursing students who take only one semester of chemistry. It will not satisfy the requirements for a chemistry major or chemistry minor. It is not suitable for the pre-professional programs such as pre-medical, pre-dental, pre-veterinarian, or for medical technology. Four lectures per week.

Prerequisites: A02 - Minimum Score: 19 OR S02 - Minimum Score: 440 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: T

**CHEM 105L. Intro to Gen, Org, & Bio Chem.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 105.

**CHEM 111. Introductory Chemistry GT-SC1.** 4 hours. A study of the fundamental concepts of chemistry. The course is satisfactory for nursing students, for biology majors who take only one year of chemistry, for HPPE advanced track, and for students preparing to take CHEM 131. It will not satisfy the requirements for a chemistry major or minor. It is suitable for the pre-professional programs such as pre-med, pre-dental, pre-vet or medical technology.

Prerequisites: A02 - Minimum Score: 19 OR S02 - Minimum Score: 440 OR ACMA - Minimum Score: 085 OR (MATH 099 Minimum Grade: S OR MATH 106 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 104 Minimum Grade: C- OR MATH 107 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T OR MATH 120 Minimum Grade: T OR MATH 104 Minimum Grade: T OR MATH 107 Minimum Grade: T) OR MATH 099 Minimum Grade: T

**CHEM 111L. Introductory Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 111.

**CHEM 112. Intro Organic/Biological Chem.** 4 hours. A study of the fundamental concepts of organic chemistry and biochemistry. Will not satisfy requirements for a chemistry major, minor or pre-professional studies (pre-med etc.) The

course is satisfactory for biology majors who take only one year of chemistry, and for HPPE advanced track.

Prerequisites: (CHEM 111 Minimum Grade: C- OR CHEM 131 Minimum Grade: C- AND CHEM 132 Minimum Grade: C-) OR (CHEM 111 Minimum Grade: T OR CHEM 131 Minimum Grade: T AND CHEM 132 Minimum Grade: T)

**CHEM 112L. Intro Organic/Biol Chem Lab.** 1 hours.

Required companion laboratory to be taken concurrently with CHEM 112.

**CHEM 131. General Chemistry GT-SC1.** 4 hours. A study of the principles and applications of chemistry suitable for science majors who plan additional course work in biology, chemistry, geology, physics, or mathematics. Organic chemistry is briefly included. The laboratory work consists of learning basic techniques and studying chemical and physical principles discussed in the lecture. This course is designed for students who have had high school chemistry, although is not a prerequisite.

Prerequisites: A02 - Minimum Score: 19 OR S02 - Minimum Score: 440 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 101 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 104 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 101 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: T

**CHEM 131L. General Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 131.

**CHEM 132. General Chemistry GT-SC1.** 4 hours. A continuation of CHEM 131. This course is designed for students who have had high school chemistry, although it is not a prerequisite.

Prerequisites: CHEM 131 Minimum Grade: C- OR CHEM 131 Minimum Grade: T

**CHEM 132L. General Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 112.

**CHEM 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CHEM 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CHEM 216. Glassblowing.** 1 hours. Demonstrations and practice in the fundamental operations involved in the construction of glass laboratory apparatus, including cutting, drawing, bending, flanging, annealing, joining, and modifying glass; also includes introduction to artistic glassblowing. Prerequisites: (CHEM 111 Minimum Grade: D OR CHEM 131 Minimum Grade: D) OR (CHEM 111 Minimum Grade: T OR CHEM 131 Minimum Grade: T)

**CHEM 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CHEM 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

**CHEM 321. Organic Chemistry.** 4 hours. A study of the relationship between structure and reactivity of carbon-containing compounds.

Prerequisites: CHEM 132 Minimum Grade: C- OR CHEM 132 Minimum Grade: T

**CHEM 321L. Organic Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 321. Laboratory time will be divided among techniques, preparation, and mechanistic studies.

**CHEM 322. Organic Chemistry.** 4 hours. A continuation of CHEM 321.

Prerequisites: CHEM 321 Minimum Grade: C- OR CHEM 321 Minimum Grade: T

**CHEM 322L. Organic Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 322. Laboratory time will be divided among mechanistic studies, preparation, introductory qualitative analysis, and independent project work.

**CHEM 331. Analytical Chemistry.** 3 hours. The theory and application of classical and instrumental quantitative analysis with additional emphasis on the fate and analysis of chemicals in the environment.

Prerequisites: (CHEM 132 Minimum Grade: C- AND MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C-) OR (CHEM 132 Minimum Grade: T AND MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T) OR CHEM 120 Minimum Grade: T

**CHEM 331L. Analytical Chemistry Lab.** 2 hours. Required companion laboratory to be taken concurrently with CHEM 331

**CHEM 332. Analytical Chemistry.** 3 hours. A continuation of CHEM 331 with additional coverage of chemical equilibria and electrochemistry.

Prerequisites: CHEM 331 Minimum Grade: D OR CHEM 331 Minimum Grade: T

**CHEM 332L. Analytical Chemistry Lab.** 2 hours. Required companion laboratory to be taken concurrently with CHEM 332.

**CHEM 334. Environmental Chemistry.** 3 hours. This course is designed to introduce the student to a series of topics including stratospheric chemistry, air pollution, global warming, climate change, renewable energy, pesticides, water pollution, and heavy metal pollution.

Prerequisites: CHEM 331 Minimum Grade: C- OR CHEM 331 Minimum Grade: T

**CHEM 334L. Environmental Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 334.

**CHEM 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CHEM 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CHEM 401. Biochemistry.** 3 hours. A study of structural biochemistry. Course begins with a review of water, the lipophilic environment, noncovalent bonding, and bioenergetics. Topics include amino acids, peptides, proteins, nucleic acids, carbohydrates, and lipids. Enzymes are discussed with emphasis on mechanism and kinetics.

Prerequisites: CHEM 322 Minimum Grade: C- OR CHEM 322 Minimum Grade: T

**CHEM 401L. Biochemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 401. Laboratory time will be spent learning protein purification techniques and doing independent project work.

**CHEM 402. Biochemistry II.** 3 hours. A study of biochemical metabolism. Topics include catabolism, anabolism, and metabolic control. Three hours of lecture per week.

Prerequisites: CHEM 401 Minimum Grade: C- OR CHEM 401 Minimum Grade: T

**CHEM 424. Advanced Organic Chemistry.** 3 hours. A third semester course in organic chemistry, designed for students who wish to gain a better background in the subject. Topics include bioorganic chemistry, pericyclic reaction, and natural products synthesis. Offered in spring semesters upon sufficient demand. Three hours of lecture per week.

Prerequisites: CHEM 322 Minimum Grade: C- OR CHEM 322 Minimum Grade: T

**CHEM 431. Phys Chem Lec/Thermodynamics.** 3 hours. Thermodynamics as applied to chemistry and physics. Specific topics include the laws of thermodynamics, thermochemistry, reaction and phase equilibrium, solutions, and electrochemistry. An introduction to chemical kinetics is included.

Prerequisites: (CHEM 132 Minimum Grade: C- OR CHEM 132 Minimum Grade: T) AND (MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T) AND (((PHYS 225 Minimum Grade: C- OR PHYS 225 Minimum Grade: T) AND (PHYS 226 Minimum Grade: C- OR PHYS 226 Minimum Grade: T) ) OR ((PHYS 230 Minimum Grade: D OR PHYS 230 Minimum Grade: T) AND (PHYS 231 Minimum Grade: D OR PHYS 231 Minimum Grade: T) AND (PHYS 232 Minimum Grade: D OR PHYS 232 Minimum Grade: T) AND (PHYS 233 Minimum Grade: D OR PHYS 233 Minimum Grade: T) ) )

**CHEM 432. Phys Chem Lec/Quantum Mechanics.** 3 hours. Quantum mechanics with applications to atomic structure, bonding, solid state, and spectroscopy. An introduction to kinetic molecular theory of gas, transport properties, and statistical mechanics is included.

Prerequisites: (CHEM 132 Minimum Grade: C- OR CHEM 132 Minimum Grade: T) AND (MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T) AND (((PHYS 225 Minimum Grade: C- OR PHYS 225 Minimum Grade: T) AND (PHYS 226 Minimum Grade: C- OR PHYS 226 Minimum Grade: T) ) OR

((PHYS 230 Minimum Grade: D OR PHYS 230 Minimum Grade: T) AND (PHYS 231 Minimum Grade: D OR PHYS 231 Minimum Grade: T) AND (PHYS 232 Minimum Grade: D OR PHYS 232 Minimum Grade: T) AND (PHYS 233 Minimum Grade: D OR PHYS 233 Minimum Grade: T) ) )

**CHEM 433. Physical Chemistry Laboratory.** 2 hours. The principles of physical chemistry applied in the laboratory. Prerequisites: CHEM 431 Minimum Grade: D OR CHEM 431 Minimum Grade: T

**CHEM 434. Physical Chemistry Laboratory.** 2 hours. The principles of physical chemistry applied in the laboratory. CHEM 434 includes an independent project. Prerequisites: CHEM 431 Minimum Grade: D OR CHEM 431 Minimum Grade: T

**CHEM 445. Polymer Chemistry.** 3 hours. Introduction to the chemistry of organic, inorganic, and bio-polymers, with an emphasis on synthesis, mechanism, and reaction kinetics. Modern methods of polymer characterization are also covered. Offered upon sufficient demand.

Prerequisites: (CHEM 322 Minimum Grade: C- AND CHEM 431 Minimum Grade: D) OR (CHEM 322 Minimum Grade: T AND CHEM 431 Minimum Grade: T)

**CHEM 461. Inorganic Chemistry.** 3 hours. Theoretical aspects of inorganic chemistry based upon periodic relationships, symmetry, structure bonding, and reactivities. Offered fall semesters of odd-numbered years.

Prerequisites: (CHEM 321 Minimum Grade: C- AND CHEM 322 Minimum Grade: C-) OR (CHEM 331 Minimum Grade: C- AND CHEM 332 Minimum Grade: C-) OR (CHEM 321 Minimum Grade: T AND CHEM 322 Minimum Grade: T) OR (CHEM 331 Minimum Grade: T AND CHEM 332 Minimum Grade: T)

**CHEM 461L. Inorganic Chemistry Lab.** 1 hours. Required companion laboratory to be taken concurrently with CHEM 461. Practices of inorganic chemistry in the laboratory including synthesis and characterization of compounds.

**CHEM 471. Chemistry Seminar.** 1 hours. Capstone course intended for senior chemistry majors consisting of seminars presented by guest speakers, staff, and students; an assessment exam for seniors; and job placement information. Prerequisite: Completion of sufficient degree requirements to be within three semesters of graduating with a chemistry major.

**CHEM 472. Chemistry Seminar Continuation.** 1 hours. A continuation of CHEM 471.

Prerequisites: CHEM 471 Minimum Grade: C- OR CHEM 471 Minimum Grade: T

**CHEM 476. Molecular Biology.** 4 hours. An introduction to the study of nucleic acids, genomes and molecular mechanisms with emphasis on genome organization, gene expression, and the techniques used in the study of molecular biology.

Laboratory exercises will include standard methodologies such as restriction mapping, cloning, hybridization, DNA libraries, and PCR. Senior standing is recommended. Course includes three hours of lecture and four hours of laboratory per week. Prerequisites: (BIOL 321 Minimum Grade: C- AND BIOL 323 Minimum Grade: C- AND BIOL 325 Minimum Grade: C- AND BIOL 332 Minimum Grade: C- AND CHEM 401 Minimum

Grade: C-) OR (BIOL 321 Minimum Grade: T AND BIOL 323 Minimum Grade: T AND BIOL 325 Minimum Grade: T AND BIOL 332 Minimum Grade: T AND CHEM 401 Minimum Grade: T)

**CHEM 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CHEM 490. Research in Chemistry.** 1 TO 3 hours. Independent investigation in the field of chemistry offered to superior students upon arrangement with the instructor.

**CHEM 492. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CHEM 579. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CHEM 590. Research in Chemistry.** 1 TO 3 hours. Independent investigation in the field of chemistry offered to superior students upon arrangement with the instructor.

**CHEM 592. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CHEM 599. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**CLD 510. Culturally/Linguistic Diverse.** 3 hours. Participants will examine issues in our society and education system that impact students from culturally and linguistically diverse backgrounds. Included are history and socio-political contexts for schools, the role of culture and heritage language in developing academic language and succeeding in school, the relationship between first language maintenance and second language literacy, and the importance of family and community involvement in the academic achievement of CLD students.

**CLD 516. Multicultur Narrativ Ed Reform.** 3 hours. This course emphasizes the ability to deliver literacy instruction to CLD students that supports reading, writing, listening, and speaking, and that is systematic and comprehensive in approach. The relevance of multicultural education to CLD socio-linguistic development is explored.

**CLD 520. Language Acquisition.** 3 hours. Theory, research, and implications for practice of first and second language acquisition, and related cognitive development, are studied. The differences between constructivist and behaviorist learning theory and the relationship to social-cognitive theories of language acquisition, both oral and written, are emphasized.

**CLD 526. Assessment of English Learners.** 3 hours. This course applies principles of formative and summative assessment to the identification, placement, and teaching of students from diverse cultural and linguistic backgrounds. Topics include the selection of English proficiency measures, appropriate use of content achievement tests, assessment of literacy development, and the reporting of assessment results.

**CLD 530. Theory to Practice.** 3 hours. This course focuses on current educational research in and models of ESL



education. These models will be evaluated in relation to the students' knowledge of first and second language acquisition, both oral and written, and learning. Adult-child interactions, learning materials, learning environments, and curricula that support successful learning and language acquisition will be examined. Students will examine their own practices in relation to research-based practices using the SIOP model.

**CLD 535. Internship.** 6 hours. This course provides a candidate practicum experience in ESL settings at different grade levels. In consultation with a college supervisor and mentor teacher, candidates will plan and deliver instruction to CLD students as well as participate in some non-instructional, relevant activities (e.g., curriculum development; CLD assessment; parent involvement). MA Education candidates will complete the Capstone Research Project during this course.

**COMM 165. Digital Filmmaking.** 3 hours. Course covers the aesthetics and practice of narrative, documentary, and experimental media production at an introductory level using a variety of digital filmmaking tools including digital photography, digital video, audio recorders, and editing software. Students will complete video products they can post to YouTube and similar sites.

**COMM 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**COMM 190. Radio Practicum.** 1 TO 3 hours. Students earn one credit hour for every three hours of work weekly on KASF-FM or its web site. See station manager for details.

**COMM 195. Video Practicum.** 1 TO 3 hours. Students earn one credit per three videos (or equivalent work) that they produce for the student-run Grizzly Video Productions (YouTube channel and Campus Cable Channel 5). Please see the Grizzly Video Productions faculty adviser or the student GVP General Manager for further details.

**COMM 197. Newspaper Practicum.** 1 TO 3 hours. Students earn one credit per five stories (of 500 words apiece, or pre-approved substitutions) that they write for the Paw Print. Students should write on a variety of topics. Also required is the attendance of three newspaper staff meetings per credit registered. Please see the newspaper faculty advisor or the student editor for further details.

**COMM 255. Fndmntls of Media Comm GT-AH2.** 3 hours. Students will examine how media form and are formed by culture and society. They will develop a sophisticated understanding of media by exploring the links between media production, media content, and a rapidly changing society. Media surveyed will include film, television, print, popular music, and Internet.

Prerequisites: (ENG 102 Minimum Grade: C-) OR (ENG 102 Minimum Grade: T)

**COMM 275. Basic Media Writing.** 3 hours. Major modes of media writing are covered in this course. Additionally, students critique, discuss, and analyze current print and broadcasting media conventions, ethics, and procedures.

Prerequisites: (ENG 102 Minimum Grade: C-) OR (ENG 102 Minimum Grade: T)

**COMM 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**COMM 285. Digital Media Production.** 3 hours. Teaches skills needed to produce effective digital media in print, audio, and video formats. Students are encouraged to take this course concurrently with newspaper, radio, and/or video practicum.

**COMM 327. Social Media.** 3 hours. Explores emerging trends in social media. Surveys the history of the early Internet and the transition to Web 2.0. Students will apply this knowledge by contributing their own media projects to various social media platforms and evaluating their real or potential outcomes in terms of their goals.

Prerequisites: ENG 102 Minimum Grade: C- OR ENG 102 Minimum Grade: T

**COMM 340. Advanced Media Writing.** 3 hours. This course focuses on writing feature articles, scripts and screenplays for video, and writing for the Internet. Students will undertake a project fitting their own interests and career goals in media. Prerequisites: COMM 275 Minimum Grade: C- OR COMM 275 Minimum Grade: T

**COMM 350. Media Theory & Criticism.** 3 hours. Students will explore various theories that explain the nature of mass communication, the impact that media have on society, and the trends in media consumption. Particular emphasis will be placed on propaganda, violence in media, information processing, media monopolies, and critical media consumption. Students will be expected to track current media and debate contemporary media controversies in class.

Prerequisites: (COMM 255 Minimum Grade: C-) OR (COMM 255 Minimum Grade: T)

**COMM 360. Media Management.** 3 hours. Students will learn how to manage and motivate staff, how to deal with criticism from within and without the organization, and how to unite diverse elements into a cohesive whole. Strongly recommended for candidates for media management positions on campus.

Prerequisites: (COMM 275 Minimum Grade: C-) OR (COMM 275 Minimum Grade: T)

**COMM 365. Digital Filmmaking.** 3 hours. Course covers the aesthetics and practice of narrative, documentary, and experimental media production at an intermediate level using a variety of digital filmmaking tools including digital photography, digital video, audio recorders, and editing software. Students will complete video products they can post to YouTube and similar sites.

**COMM 366. Music Video Production.** 3 hours. Production course focusing on creating short films with a singular, preexisting musical track (music videos"). Students will work through the creative process of producing music videos, from initial concept and arrangements with the musician to completed video. Students will complete the course with a broad overview of music video production as well as finished video projects they can post to YouTube and similar sites."

Prerequisites: (COMM 165 Minimum Grade: C- AND COMM 285 Minimum Grade: C-) OR (COMM 165 Minimum Grade: T AND COMM 285 Minimum Grade: T)

**COMM 367. Short Film/Movie Trailer Prod.** 3 hours. This course is an intensive production workshop on the sort film and the structure of the commercial movie trailer. Students work in

small groups to create an original narrative short film and work individually to create a movie trailer from existing material.

Students will share their works in progress with the class and screen their final work through ASU media outlets such as the Grizzly Video YouTube and GRZ-TV campus cable channel 5. Prerequisites: (COMM 165 Minimum Grade: C- AND COMM 285 Minimum Grade: C-) OR (COMM 165 Minimum Grade: T AND COMM 285 Minimum Grade: T)

**COMM 368. Documentary Film Production.** 3 hours.

Production course introduces students to the documentary, a form of non-fiction filmmaking. Students will create short documentaries in visual media, utilizing narration, video, still photos, and other elements to tell a story for general audiences.

Prerequisites: (COMM 165 Minimum Grade: C- AND COMM 285 Minimum Grade: C-) OR (COMM 165 Minimum Grade: T AND COMM 285 Minimum Grade: T)

**COMM 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student interests in the field.

**COMM 390. Advanced Radio Practicum.** 1 TO 3 hours.

Students will deejay 2 hours weekly for every one credit hour. Students will learn media management skills. The course will consist of a required weekly meeting, development and execution of a show, and learning more about the major management positions in radio.

Prerequisites: COMM 190 Minimum Grade: C- OR COMM 190 Minimum Grade: T

**COMM 395. Advanced Video Practicum.** 1 TO 3 hours.

Students earn one credit per three videos (or equivalent work) that they produce for the student-run Grizzly Video Productions (YouTube channel and Campus Cable Channel 5). Please see the Grizzly Video Productions faculty adviser or the student GVP General Manager for further details.

**COMM 397. Advanced Newspaper Practicum.** 1 TO 3 hours.

Students earn one credit per five stories (of 800 words apiece, or pre-approved substitutions) that they write for the Paw Print. Students should write on a variety of topics. Also required is the attendance of three newspaper staff meetings per credit registered. Please see the newspaper faculty advisor or the student editor for further details. The fundamentals of news reporting are developed with the aid of word processing computer software. The principal concepts of this course apply to all news media.

Prerequisites: (COMM 275 Minimum Grade: C- AND COMM 197 Minimum Grade: C-) OR (COMM 197 Minimum Grade: T AND COMM 275 Minimum Grade: T)

**COMM 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COMM 420. Rhetoric of Popular Culture.** 3 hours. This course takes seriously the idea human discourse is inherently persuasive. Further, it takes seriously the idea that popular culture is still human culture, and therefore worthy of analysis to understand how it influences human relationships and political struggle. Students will examine the messages and persuasive discourse found in everyday texts" in film,

television, the Internet, music, technology, celebrity, fashion, and other modes of cultural consumption."

**COMM 430. Diversity in Media.** 3 hours. Students will analyze how US media represents traditionally marginalized people in the United States. The course will be primarily discussion based, with students and instructor working together to generate ideas and critique dominant ideologies.

**COMM 457. Media Law and Ethics.** 3 hours. This course explores timely controversies that involve the media practitioner in a society where media ethics are constantly questioned by the public.

**COMM 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**COMM 496. Communication Internship.** 1 TO 3 hours. Advanced communication students will work in a pre-employment capacity in the field of communications/journalism (broadcasting, video, print, satellite, or computing), applying learned skills in a working environment.

**COMM 499. Individual Studies.** 1 TO 13 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COMM 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**COUN 215. American Sign Language I.** 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COUN 312. Introduction to Counseling.** 3 hours. This course provides an introduction to the profession of counseling and the importance of interpersonal communication skills and self-awareness across a variety of disciplines. Topics include an introduction to different counseling approaches, such as individual, family, and group counseling.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 204 Minimum Grade: C- OR PSYC 205 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 204 Minimum Grade: T OR PSYC 205 Minimum Grade: T)

**COUN 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**COUN 392. Workshops.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**COUN 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**COUN 411. Transpersonal Psychology.** 3 hours. This course will attempt to tap into this reservoir, to journey into the depth of consciousness of the human being. Essentially, transpersonal psychology is an approach to psychology, psychotherapy, and personal growth which integrates psychology and spirituality. The focus of transpersonal psychology goes beyond behaviorism, psychoanalysis, cognitive psychology, and humanistic psychology. Transpersonal psychology is concerned with the study of humanity's highest potential, and with the recognition,

understanding, and realization of unitive, spiritual, and transcendent states of consciousness.

**COUN 471. American Sign Language IV.** 3 hours. The focus of this no-voice course is to give the student a higher level of a continuous and advanced level of American Sign Language and will include more Deaf Community involvement as well as Deaf culture to add on to the students' current basis for in-depth specific signs and norms. The course will help the student to increase not only additional signing vocabulary but also understand the advanced grammatical uses of ASL. The student will augment a deeper awareness of the deaf community and usage of a manual language in many areas such as Law Enforcement, Education, (as in mainstreaming), Social Services, Counseling, Employment, and other areas where contact with the deaf is needed for maximum communication and interaction.

Prerequisites: COUN 215 Minimum Grade: C OR COUN 321 Minimum Grade: C OR COUN 351 Minimum Grade: C

**COUN 479. Special Topics.** 1 TO 6 hours. Available under each prefix. Offered periodically to meet student special interests in the field.

**COUN 503. Intro to Research.** 3 hours. An introductory course to help students develop an understanding of the importance of research; overview basic elements of quantitative, qualitative, and action research ;methods, enhance skills to evaluate and critique research and literature; and gain an appreciation for conducting research.

**COUN 508. School Law for Counselors.** 3 hours. This course will examine the range of topics associated with counseling in the public and private schools. Topics include laws and cases related to the governance and role of federal and state governments with regard to confidentiality, topics and activities pertaining to the implementation of comprehensive guidance and counseling programs, parent and student rights, discrimination and rights of the disabled, student discipline issues, and other topics influencing the profession of school counseling. Liability, common law, statutory law, and current cases and trends will be investigated.

**COUN 511. Transpersonal Psychology.** 3 hours. Transpersonal psychology is an approach to psychology, psychotherapy, and personal growth which integrates psychology and spirituality. Its focus goes beyond behaviorism, psychoanalysis, cognitive psychology, and humanistic psychology and explores humanity's highest potential, and the recognition, understanding, and realization of unitive, spiritual, and transcendent states of consciousness.

**COUN 513. Deaf Studies.** 3 hours. The focus of this course is to establish an awareness of the deaf community, their culture in relationship to our multicultural society, and their history. Students will be able to incorporate this awareness when interacting with the deaf. Knowledge of American Sign Language is not required.

**COUN 514. Communication Issues/Deaf Chil.** 3 hours. The focus of this course is on communication issues with Deaf children. Students will acquire basic signing skills. Students will also learn how Deaf culture effects communication. Students also will gain an understanding of how Deaf culture relates to our multicultural society. Effective ways to interact with Deaf

children will be emphasized. Knowledge of American Sign Language is not required.

**COUN 515. Multicultural Issues.** 3 hours. This course is designed to assist students in understanding the impact of social/cultural forces upon identity development and formation. Students will explore various components of our pluralistic society and how oppressive systems can exclude and harm individuals. Change theory and advocacy principles will be introduced to aid students in dealing with these issues in their communities and with clients.

**COUN 517. Life Span Development.** 3 hours. This course is designed to provide an understanding of major influences of human development. Presentation of various developmental theories enable the student to understand the stages of the developmental process that include conception, childhood, adolescence, adulthood, aging process, and death and dying. Students will develop an appreciation and awareness of the complexity of human growth and development.

**COUN 524. Coun Theors & Hlp Relationship.** 3 hours. This course presents the major schools of thought influencing the practice of counseling. The relationship of philosophy, theory, and practice will be a primary focus. Students will understand the historical foundations of counseling and the beginnings of their own personal foundation of counseling.

**COUN 527. Group Counseling.** 3 hours. This course explores leadership styles, group dynamics, and group process necessary to run successful groups. The major group counseling theories will be explored, and group skills will be practiced. The course requires that students gain experience as both a growth group participant and as a co-leader.

**COUN 528. Career Development.** 3 hours. This course provides students an understanding of the career planning process. Key career development theories will be examined and applied. The counseling process, the world of work, and career information resources, including computerized career assessment, will be examined in relation to career interventions.

**COUN 530. Couples/Family/Systems.** 3 hours. This course provides counseling students with the theoretical background and therapeutic skills necessary for therapeutic intervention in families, couples, and systems. Students will examine systems theory as it relates to families and couples and develop knowledge and skill pertaining to family-of-origin issues, addictions, parenting, and professional consultation.

**COUN 531. Parenting.** 3 hours. This course will provide helpful strategies to those working with children to help them make more effective choices that allow for shared control and equal respect. Using the Becoming a Love and Logic Parent Training, students will learn tips that will help parents develop the skills for shared control, take care of themselves, and make parenting a more enjoyable process.

**COUN 534. Coun Modalities Sch Setting.** 3 hours. This course focuses on applying the skills interventions and modalities learned in the counseling courses to the school setting. Emphasis will be on learning to use evidence-based practices to help K-12 students function more effectively in the academic, personal/social, and career domains.

**COUN 535. Grief and Loss.** 3 hours. Experiences of grief and loss, death and the process of dying are all a part of our human existence. This course presents an overview of grief and the effects on aspects of living, the dying process, and the importance and process of grief work, and bereavement and how these relate to individuals, families and caregivers. Content will also include some of the history, purpose and current practices related to various rituals; as well as focus on some ethical issues related to death and dying within the counseling profession.

**COUN 536. Pre-Practicum.** 3 hours. This course provides students an introduction to the counseling profession and helping relationships. The course will emphasize personal growth, self-awareness, and professional behavior. Students will experience the helping relationship as both client and counselor.

**COUN 537. Practicum.** 3 hours. Practicum is a clinical, experiential course that requires students to complete hours in a professional setting. The student will apply counseling techniques and skills in a supervised setting. The student will participate in the counseling process, refine techniques, and further enhance his/her therapeutic development.

**COUN 538. Crisis, Disaster, and Trauma.** 3 hours. This course focuses on discovering the types of interventions used to address a range of crises, disasters, and other trauma-causing events. Students will explore theory and models applied to crisis situations and will explore emergency management systems and collaboration among schools, agencies, and governmental entities. Additionally students will be introduced to trauma treatment.

**COUN 539. Sexuality Counseling.** 3 hours. This course is designed to increase the effectiveness of counselors in treating various sexual issues. Topics to be addressed in this course include male and female sexual systems, sexual myths, variations in sexual behavior, and common sexual and relationship concerns/disorders. Various therapeutic approaches will be presented. Note: Material covered and discussed in this class (videotapes included) is to be considered sexually explicit. Any student who is uncomfortable with explicit and detailed discussion of sexual issues, attitudes, behaviors, and practices should frankly consider whether participation in this course is appropriate for them at this time.

**COUN 540. Fdn of School Counseling.** 3 hours. This course provides an introduction to professional school counseling, including historical perspectives, theory, practice, employment settings, credentialing, legislation, research, and ethical considerations.

**COUN 541. Comp School Counseling.** 3 hours. This course offers an in-depth exploration of current professional school counseling. Students will understand the skills needed in counseling, consulting, advocacy, and collaboration to promote academic success for all students. The course offers a comprehensive approach to a school counseling program. Students will learn the mechanism with which school counselors and school counseling teams design, coordinate, implement, manage and evaluate their programs for student success.

Prerequisites: COUN 540 Minimum Grade: C

**COUN 542. Diagnosis and Psychopathology.** 3 hours. The evolution of the DSM, its organization, and use will be explored. The student will develop an understanding of the process of diagnosis and the classification of mental disorders. The etiology and treatment of psychological disorders will be reviewed. Clinical writing skills will be practiced.

**COUN 543. Intro to Student Affairs.** 3 hours. This course will provide an introduction to student affairs work in various higher education settings. Topics will include: an overview of the philosophy, purpose and functions of student affairs; contemporary issues and trends, and some models for implementing, managing and evaluating student affairs programs.

**COUN 544. Student Learning/Dev Theory.** 3 hours. This course examines the range of human development theories that offer insight into the processes of student learning, growth and development during the college years. Special focus will be directed toward understanding the implications of these models for the policies and practices of education in general and student affairs in particular.

**COUN 546. Assessment in Counseling.** 3 hours. This course provides students with an understanding of individual and group approaches to assessment and evaluation. Students will learn various assessment and appraisal techniques with emphasis on multicultural and diversity, ethical, and legal issues.

**COUN 547. Solution-Focused Counseling.** 3 hours. This course will present a way to conceptualize and practice counseling that is time-sensitive, informed by outcome, client directed and focused on the strengths of the client. A fundamental aspect of this approach is that client and counselor are co-constructors of the solution to the client's problem. The philosophical and theoretical underpinnings of solution-focused counseling will be discussed. Students will learn a step-by-step model for implementing this theory. Students will continually have opportunities to practice the concept as presented.

Prerequisites:

**COUN 548. Becoming Brain-Wise Counselors.** 3 hours. This course will introduce students to brain development with emphasis on the experience-dependent brain and how counseling can impact this social brain.

**COUN 549. Foundations Addict Counseling.** 3 hours. This course provides counselors in training with an overview of the addictive process and the practice of addiction counseling. Models and theories of addiction along with professional issues in addiction counseling, co-occurring disorders, such as process addictions will be addressed. Students will demonstrate conceptual knowledge, practical skills, and self-awareness concerning the etiology of addiction and its impact across the life-span, including criminology, neurological and societal implications. Assessment, diagnosis, and treatment of addictions with diversity and advocacy issues also being explored.

**COUN 550. Ethics & Professional Issues.** 3 hours. This course focuses on the ethical standards that govern the counseling profession. Current legislation and court decisions affecting professional behavior are examined. Particular

emphasis is placed on the individual counselor's development of a professional identity within legal and ethical parameters.

**COUN 551. Prof Sch Counseling Issues.** 3 hours. This course will focus on the day-to-day life of the school counselor and current trends in school counseling. Specifically, students will gain an understanding of the counselor as educational leader, working with parents and the community, diversity in schools, serving specific populations, crises/threat assessment, technology, career advisement, and ethical and legal issues.

**COUN 552. Cognitive Behavioral Therapy.** 3 hours. The purpose of this course is to introduce students to Cognitive Behavioral Therapy (CBT) theory and its applications. The traditional theories of Skinner, Bandura, Beck, Ellis and Meichenbaum will be studied as well as newer models of cognitive behavioral therapy (e.g., Cognitive constructivism and Mindfulness). Theory will be applied across the lifespan with a special focus on anxiety and depressive disorders. Students will also learn how to utilize a cognitive-behavioral manual in treatment.

**COUN 553. Child/Adolesc Psychopathology.** 3 hours. This course is designed to present the process of diagnosing childhood and adolescent disorders using the DSM. In addition, this course will provide the guidelines for treatment planning and implementation. Upon completion of this course, students will demonstrate the ability to more accurately diagnose, define treatment goals, and design and implement treatment plans for use in working with children and adolescents.

**COUN 554. Coun Mods for Clin Ment Hlth.** 3 hours. This course focuses on applying the skills, interventions and modalities learned in the counseling courses to the Clinical Mental Health setting. Emphasis will be on learning to use evidence-based practices, working with clients with co-occurring diagnoses, and collaborating with multi-disciplinary teams.

**COUN 555. Fdns Clinical Mental Health.** 3 hours. This course focuses on issues in clinical mental health counseling including professionalism, roles and responsibilities, leadership, and management issues. The roles, responsibilities, and functions of the clinical mental health counselor will be discussed, showing the interrelatedness of community mental health counseling and other therapeutic professions (e.g., hospitals, law enforcement, and human services). In addition, the theoretical and historical framework within which the clinical mental health counselor has functioned in the past, the present, and the future will be explored.

**COUN 556. Mindfulness and Psychotherapy.** 3 hours. This course will introduce students to the practice of mindfulness and how it relates to the person of the therapist, the therapeutic alliance and the practice of counseling.

**COUN 557. Advanced Couples Counseling.** 3 hours. This course provides the counseling student the theoretical background and therapeutic skills necessary for intervention in couples. Students will examine systems theory and other therapeutic interventions for couples.

**COUN 558. Creativity in Counseling.** 3 hours. This course is designed to introduce students to creative approaches in counseling. Topics of discussion will include, but are not limited to: art therapy, sandray, bibliotherapy and music therapy. Students will understand how creative approaches can enhance the counseling process regardless of age and counseling modality. Course activities will include reading discussions, lectures, film and experiential learning.

**COUN 560. Special Issues in Addiction.** 3 hours. This course provides counseling students the opportunity to demonstrate knowledge of the current political arena, including public policy, client advocacy, and culturally relevant educational programs. Students will demonstrate knowledge of addiction treatment, education, prevention, and intervention, as well as the risk for HIV/AIDS/HEP-C. Research supporting best-practices in addiction treatment will be explored, along with the importance of spirituality and wellness. By the conclusion of this course, students will be able to identify and address process addictions including gambling, internet, and pornography.

Prerequisites: COUN 549 Minimum Grade: C

**COUN 561. Addict Assess/Diagnos/Treatmnt.** 3 hours. This course provides graduate-level addiction counseling specialty students with knowledge and skill surrounding assessment, diagnosis, and treatment of addictions. Specifically, students will develop knowledge of assessing, diagnosis, and treating co-occurring medical and psychological disorders, as well as various models and approaches to clinically evaluate and assess addictive disorders. Students will also know specific approaches for determining appropriate level of care inclusive of clients' bio-psychosocial and spiritual history. In addition, students will develop understanding of basic classification, indications, and contraindications of commonly prescribed psychopharmacological medications as well as potential cultural biases relevant to clients with addictive disorders in multicultural populations.

Prerequisites: COUN 549 Minimum Grade: C AND COUN 560 Minimum Grade: C

**COUN 562. Counseling Adolescents.** 3 hours. This course is designed to develop students' knowledge and skills in the theory and practice of working with adolescents. Focus and attention of the course will be on issues, interventions, techniques and special considerations when counseling adolescents in any setting. Related topics include: developmental considerations, social and cultural factors of interpersonal issues of adolescents, gender specific and LGBT issues, multicultural family systems, use of diagnostic criteria, treatment planning issues, counseling interventions, relational and career issues, chemical and process addictions, technology, trauma focus and attachment, justice involved adolescents, sexually maladaptive behaviors and legal and ethical considerations.

**COUN 564. Treatment of Sexual Offending.** 3 hours. This course focuses on applying current skills, interventions, and modalities learned in the counseling courses in the provision of counseling services to those who sexually offend. Additionally, students will gain knowledge and awareness of current issues,

modalities of treatment, and past and current management strategies of juvenile and adult sexual offenders.

**COUN 566. Intro to Play Therapy.** 3 hours. This course provides an overview of essential play therapy elements and principles including history, theories, techniques, and modalities. Emphasis on observation and application of play therapy skills and technique. Covers three content areas required for the Registered Play Therapist credential - History, Theory, and Techniques and methods.

**COUN 567. Gestalt & Existential Therapy.** 3 hours. This course is an in-depth exploration of the therapeutic approaches of gestalt and existential therapies. Specific existential and phenomenological topics will be addressed including death, meaning, isolation, freedom, anxiety, guilt, authenticity, empathy, worlds, and being. Additionally, a range of gestalt concepts will be covered including contact, boundary disturbances, and the empty-chair technique. The emphasis of the course is on fostering an understanding of these theories in the context of counseling practice. Interventions from both theories will be explored. The course will also focus on integration of multiple counseling theories.

**COUN 585. Intern I Clinic Mental Health.** 3 hours. Students will utilize knowledge and skills gained in coursework and the practicum experience in a supervised counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration, and self-awareness.

Prerequisites: COUN 537 Minimum Grade: B AND COUN 555 Minimum Grade: C

**COUN 586. Intern I-Professional School.** 3 hours. Students will utilize knowledge and skills gained in coursework and the practicum experience in a supervised counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration and self-awareness.

Prerequisites: COUN 537 Minimum Grade: B- AND COUN 540 Minimum Grade: B-

**COUN 587. Intern I Addiction Counseling.** 3 hours. Students will utilize knowledge and skills gained in coursework and the practicum experience in a supervised counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration and self-awareness.

Prerequisites: COUN 537 Minimum Grade: C AND COUN 549 Minimum Grade: C AND COUN 560 Minimum Grade: C

**COUN 593. Intern Special-Prof School.** 3 hours. This internship is designed to provide the student with actual supervised experience in school counseling. Instructor approval is required for registration.

Prerequisites: PSYC 524 Minimum Grade: C AND PSYC 536 Minimum Grade: C AND PSYC 537 Minimum Grade: C OR COUN 524 Minimum Grade: C AND COUN 536 Minimum Grade: C AND COUN 537 Minimum Grade: C

**COUN 594. Intern Spec-Clinic Mental Hlth.** 3 hours. This internship is designed to provide the student with actual supervised experience in clinical mental health counseling. Instructor approval is required for registration.

Prerequisites: PSYC 524 Minimum Grade: C AND PSYC 536 Minimum Grade: C AND PSYC 537 Minimum Grade: C OR COUN 524 Minimum Grade: C AND COUN 536 Minimum Grade: C AND COUN 537 Minimum Grade: C

**COUN 595. Intern II Clinical Mental Hlth.** 3 hours. A continuation of Internship I, students will complete their supervised on-site experience, expand their acquired skills, and receive further supervision.

Prerequisites: PSYC 585 Minimum Grade: C OR COUN 585 Minimum Grade: C

**COUN 596. Internship II - School.** 3 hours. A continuation of Internship I, students will complete their supervised on-site experience, expand their acquired skills, and receive further supervision.

**COUN 597. Intern II Addiction Counseling.** 3 hours. A continuation of Internship I, students will complete their supervised on-site experience, expand their acquired skills, and receive further supervision.

Prerequisites: COUN 587 Minimum Grade: C

**COUN 598. Internship Special: Addiction.** 3 hours. This course, designed for students who are adding an additional specialty in Addiction Counseling, will afford students the opportunity to utilize knowledge and skills gained in coursework and the practicum experience in a supervised addiction specific counseling setting. Students will receive supervision, increase knowledge of the profession, increase skill base, and continue the process of self-exploration and self-awareness.

Prerequisites: PSYC 536 AND PSYC 537 AND PSYC 540 AND PSYC 541 AND PSYC 586 AND PSYC 596 OR COUN 536 AND COUN 537 AND COUN 540 AND COUN 541 AND COUN 586 AND COUN 596

**COUN 605. Advanced Theories and Career.** 3 hours. This course examines several major counseling and career theories that inform current counseling practice. Students will have an opportunity to compare and analyze and evaluate the compatibility and effectiveness of counseling theories in practice, including evidence based practices, and ethical and culturally relevant practice in multiple clinical settings. Students will demonstrate knowledge and application of major theories pertaining to the principles and practices of counseling and career development to include the conceptualization of clients from multiple theoretical perspectives.

**COUN 608. Quantitative Research Methods.** 3 hours. This course examines advanced quantitative research models and methods of instrument design such as experimental and quasi-experimental designs to include application of advanced quantitative research skills, evaluation of research proposals from human subjects/institutional review board reviews, application of professional writing for journal and newsletter publication, and appropriate conference proposal procedures. Students will demonstrate knowledge through application of quantitative research questions appropriate for professional research and be introduced to writing for publication. This course will also address ethical and diversity issues involved in research design, measurement, implementation, and generalization of findings.

**COUN 705. Advanced Theories and Career.** 3 hours. This course examines several major counseling and career theories that inform current counseling practice. Students will have an opportunity to compare and analyze and evaluate the compatibility and effectiveness of counseling theories in practice, including evidence based practices, and ethical and culturally relevant practice in multiple clinical settings. Students will demonstrate knowledge and application of major theories pertaining to the principles and practices of counseling and career development to include the conceptualization of clients from multiple theoretical perspectives.

**COUN 708. Quantitative Research Methodo.** 3 hours. This course examines advanced quantitative research models and methods of instrument design such as experimental and quasi-experimental designs to include application of advanced quantitative research skills, evaluation of research proposals from human subjects/institutional review board reviews, application of professional writing for journal and newsletter publication, and appropriate conference proposal procedures. Students will demonstrate knowledge through application of quantitative research questions appropriate for professional research and be introduced to writing for publication. This course will also address ethical and diversity issues involved in research design, measurement, implementation, and generalization of findings.

**COUN 710. Supervision and Consultation.** 3 hours. Theoretical and applied aspects of the human learning process related to clinical supervision and consultation, with an emphasis on the concepts, issues, and strategies of applied clinical supervision and its delivery will be explored in this course. This course provides an opportunity for students to synthesize and apply knowledge of supervision and the consultations process as they develop their personal style for supervision and consultation. Students will be exposed to current theories, models, and topics related to supervision and consultation. Ethical and legal issues in supervision and consultation will be addressed.

**COUN 712. Qualitative Research Methodolo.** 3 hours. This course examines qualitative research design and the development of advanced level qualitative research skills. Explores and contrasts philosophical assumptions of qualitative and quantitative research. Areas of emphasis include methodologies, such as grounded theory, ethnographic, and phenomenological and other emergent research practice and processes. Students will develop competencies in qualitative data collection, analysis, and oral and written data presentation.

**COUN 715. Advanced Multicultural Issues.** 3 hours. This course will provide an understanding of the cultural context of relationships, issues and trends in and trends in a multicultural and diverse society. Emphasis will be placed on delivering culturally relevant counseling in multiple settings, conducting supervision, and conducting and reviewing research. Culturally relevant leadership and advocacy practices will be discussed. Students will explore current social and cultural issues, including social change theory and advocacy action planning. The role of racial, ethnic, and cultural heritage; nationality; socioeconomic status; family structure; age; gender; sexual

identity and orientation; religious and spiritual beliefs; occupation; physical and mental status; local, regional, national, and international perspectives; and equity issues in counselor education programs, counseling supervision, and counseling research.

**COUN 717. Instruct Theory in Coun Ed.** 3 hours. This course prepares students to teach counseling and related courses. Topics covered are learning theories, retention of material, motivation, classroom instructional strategies and techniques, and assessment of learning from the core learning expectations. This course will provide an overview of the history and development of counselor education with an examination of the theoretical orientation and practice skills necessary to function effectively as a counselor educator. Students will examine their personal philosophy of teaching and learning and demonstrate the ability to design, deliver, and evaluate methods appropriate to course objectives.

**COUN 720. Advanced Group Counseling.** 3 hours. This course focuses on a critical analysis of advanced group counseling theories, approaches, literature, and modalities applicable to working with groups. Students will engage in experiential learning focused on in-depth exploration of their personal approach to group leadership and supervision. Students will also develop advanced group counseling leadership skills and identify strategies based upon the special needs and characteristics of diverse client groups.

**COUN 722. Advanced Statistics.** 3 hours. This course examines univariate and multivariate statistics most frequently used in psychological research. Students will learn how to read and interpret these statistics in published psychological research as well as how to apply them the analysis of their own research projects. Students will learn how to select the appropriate statistical analyses, collect data in a controlled manner, analyze the data, and interpret the results. This course emphasizes skill in the application of advanced statistical techniques to social science research, interpreting results of statistical analyses, and data analyses and presentations.

**COUN 724. Seminar in Counselor Education.** 2 hours. This course is designed to facilitate the student's awareness and knowledge in current issues related to counselor educators. Students will discuss and present current issues in the field, providing a format for debate and discussion. The course will increase the student's awareness of the ever-changing areas of social and educational change.

**COUN 726. Advanced Practicum Coun.** 2 hours. This advanced supervised practicum in counseling will enable doctoral-level students to develop and or refine advanced counseling skills and conceptually link counselor practice and supervision. The doctoral practicum focuses on additional supervised clinical counseling experience beyond the supervised experience completed in the student's master's degree program. Students are required to participate in a supervised doctoral-level practicum of a minimum of 100 hours in counseling, of which 40 hours must in direct service with clients. The nature of the doctoral-level practicum experience is to be determined in consultation with program faculty and/or doctoral committee. Students will participate in weekly group

supervision with a faculty member and other practicum students.

**COUN 728. Sem Leadshp Advocacy & Ethics.** 3 hours. This leadership focused course will focus on current issues in counseling to include the role of ethical and legal consideration in counselor education and supervision. Focus will be on theories, skills, and models of leadership as well as strategies for responding to community, national, and international crises and disasters. Students will explore current topical and political issues in counseling and how those issues affect the daily work of counselors and the counseling profession. Students must demonstrate the ability to provide leadership or contribute to leadership efforts of professional organizations and/or counseling programs and the ability to advocate for the profession and its clientele.

**COUN 730. Advanced Assessment.** 2 hours. This course serves in an advanced course to the basic principles of psychological assessment, testing, and evaluation. The focus will be on both psychometric theory and the usage of advanced psychological/counseling testing instruments in assessment. Students will examine and critique a variety of assessment instruments used in counseling.

**COUN 732. Seminar: Prgm Eval & Grant Wrt.** 2 hours. This course focuses on the concepts and processes related to program evaluation and the steps in performing a program evaluation. Emphasis is on the application and demonstration of critical thinking skills related to analyzing and evaluating an array of programs. Students will also demonstrate the ability to write grant proposals appropriate for research, program enhancement, and/or program development. Students will engage in grant writing activities appropriate to their site and counseling goals

**COUN 734. Advanced Research & Publication.** 3 hours. This course examines advanced topics and controversies in qualitative and quantitative counseling research; this integration of theoretical with applied counseling material will augment the department's standard doctoral research offerings. Students will engage in qualitative and quantitative research methods and complete a journal manuscript and conference proposal.

Prerequisites: (COUN 708 Minimum Grade: B- AND COUN 712 Minimum Grade: B- AND COUN 722 Minimum Grade: B-)

**COUN 736. Dissertation Seminar.** 3 hours. This course focuses on developing the essential components of the student's dissertation. This seminar is designed to assist students in making substantive progress in identifying and developing their dissertation proposal. Students will critically examine the current literature associated with their research interests and examine the current literature associated with their research interests and examine applicable conceptual constructs and methodologies. Students will complete the first drafts of the first three chapters of their dissertation, which will be used for their dissertation proposal. A complete review of the literature and draft of the dissertation proposal will be evaluated for methodological strengths and weaknesses.

Prerequisites: (COUN 708 Minimum Grade: B- AND COUN 712 Minimum Grade: B- AND COUN 722 Minimum Grade: B- AND COUN 734 Minimum Grade: B-)

**COUN 737. Doctoral Intern I-Supervision.** 1 hours. Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of providing individual and group supervision to master's level students, teaching and/or co-teaching master's level counseling courses, and participating in professional activities related to counselor education. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience

Prerequisites: COUN 710 Minimum Grade: B-

**COUN 738. Doctoral Internship II Teaching.** 1 hours. Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of student's engaging in teaching activities, which include but are not limited to teaching master's level students on-campus/online. If doctoral students have been limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites: (COUN 710 Minimum Grade: B- AND COUN 737 Minimum Grade: B-)

**COUN 739. Doctoral Internship III Supv.** 1 hours. Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency



setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of providing individual and group supervision to master's level students, teaching and/or co-teaching master's level counseling courses, and participating in professional activities related to counselor education. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites: (COUN 710 Minimum Grade: B- AND COUN 737 Minimum Grade: B- AND COUN 738 Minimum Grade: B-)

**COUN 740. Doctoral Internship IV - Core.** 3 hours. Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experiences in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarships, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of student's choosing from one of three doctoral core areas to complete internship hours. These include counseling, research and scholarship, leadership and advocacy. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they must also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites: COUN 710 Minimum Grade: B- AND COUN 737 Minimum Grade: B- AND COUN 738 Minimum Grade: B- AND COUN 739 Minimum Grade: B-

**COUN 741. Doctoral Internship V Teaching.** 3 hours. Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experience in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship, leadership and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designed program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of student's engaging in teaching activities, which include but are not limited to teaching master's level students on-campus/online. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience.

Prerequisites: (COUN 710 Minimum Grade: B- AND COUN 737 Minimum Grade: B- AND COUN 738 Minimum Grade: B- AND COUN 739 Minimum Grade: B- AND COUN 740 Minimum Grade: B-)

**COUN 742. Doctoral Intern VI-Supervision.** 1 hours. Students are required to complete doctoral-level counseling internships that total a minimum of 600 clock hours. The 600 hours must include supervised experience in at least three of the five doctoral core areas (counseling, teaching, supervision, research and scholarship and advocacy). The 600 credit hours may be allocated at the discretion of the doctoral advisor and the student on the basis of experience and training. Internship is designated to provide individual students with a planned program of advanced doctoral level professional experience in a college or community/agency setting. Internship assignments will be controlled and coordinated by a university instructor. An experienced professional at the internship site provides direct supervision. The doctoral-level internship will consist of providing individual and group supervision to master's level students, teaching and/or co-teaching master's level counseling courses, and participating in professional activities related to counselor education. If doctoral students have had limited clinical counseling experiences prior to beginning their doctoral work, they may also be required to complete credit hours in a counseling setting to gain more counseling experience

Prerequisites: (COUN 710 Minimum Grade: B- AND COUN 737 Minimum Grade: B- AND COUN 738 Minimum Grade: B- AND COUN 739 Minimum Grade: B- AND COUN 740 Minimum Grade: B- AND COUN 741 Minimum Grade: B-)

**COUN 744. Dissertation I.** 3 hours. This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student.

**COUN 746. Dissertation II.** 6 hours. This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on area relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense.

Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student.

Prerequisites: COUN 744 Minimum Grade: B-

**COUN 750. Dissertation III.** 6 hours. This course is a Counselor Education & Supervision doctoral degree requirement focused on preparing students to inform professional practice by generating new knowledge for the counseling profession through dissertation research or a comparable research project focusing on areas relevant to counseling practice, counselor education, and/or supervision. Further, the course requires students to work individually with their doctoral committee to determine the specific requirements for completing dissertation research or comparable research project including a dissertation/project proposal and defense. Students may register for this course after successfully completing oral and written comprehensive exams and with the permission of their dissertation committee. The student's doctoral dissertation/project committee chair (or intended doctoral dissertation/project committee chair) will oversee the work of the student.

Prerequisites: COUN 746 Minimum Grade: B-

**COUN 752. Qualitative Data Analysis.** 2 hours. This course provides an in-depth exploration of four qualitative research methodologies. Advanced topics in qualitative research are considered in order to foster critical thinking skills and to inform a long-term research agenda. Epistemological assumptions, theoretical considerations, data collection, and analytic procedures for grounded theory, phenomenological, narrative, and ethnographic research designs are reviewed. Additionally, this course covers coding processes, lived experience descriptions, the use of photos in data collection, field notes, and autobiographical writing.

**CRJ 102. Intro to Criminal Justice.** 3 hours. This course examines the primary components of the American criminal justice system including an overview of law enforcement, courts and corrections. The interactions and distinctions of each component will be described in the context of both historical development and contemporary application.

**CRJ 201. Corrections Administration.** 3 hours. This course examines the administration of corrections as a component of the criminal justice system. The history and development of corrections is explored, with a special focus on issues involving the care, custody and control of inmates. The development and implementation of policies and procedures to effectively manage correctional facilities will be explored.

Prerequisites: (CRJ 102 Minimum Grade: C- OR CRJ 102 Minimum Grade: C- OR CRJ 102 Minimum Grade: T)

**CRJ 203. Law Enforcement Operations.** 3 hours. This course examines the primary components of the American law enforcement agencies. The development of uniquely American policing and its specialties are explored. Origins and limitations on police power at the local, county, district, specialty, state, federal and military level and their execution are a focus. The

concepts will be described in the context of both historical development and contemporary application.

**CRJ 307. Police/Society/Community Relations.** 3 hours. This course examines the current issues and themes relating to the role of the police in the general community and the greater society. It provides an in-depth study of the philosophies, programs, problems, and definitions that have recently been linked in the literature to the concept of community policing. Also covered are related topics including the organizational structure of police departments, problems in policing, new theories of the effects of policing on crime, the effectiveness of community policing, and recent major changes in U.S. policing.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**CRJ 309. Women, Crime & Law.** 3 hours. A sociological examination of women who commit crime, who are victims of crime, and who work in the criminal justice system.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**CRJ 405. Theories of Crime Analysis.** 3 hours. This course is an in-depth examination of the application of analytical methods to crime data collected for use in criminal investigation, trend analysis, community policing, staffing, and other law enforcement situation. In addition, there will be identification of the tools used by crime analysts to solve real-world problems in law enforcement.

Prerequisites: (SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T)

**CRJ 407. Forensic Evidence.** 3 hours. This course focuses on the context of forensic evidence techniques and how they relate to the law. Modern techniques as well as techniques that have been used in the past will be examined. The crime scene will be looked at, the steps involved in recreating the crime scene, and collecting and testing evidence will be explored. We will also analyze the most recent court decisions that examine the use of forensic science during the investigation and at the trial of criminal cases. Each of the topics will have cases which have set precedence for future court cases.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**CRJ 409. Current Issues/Criminal Justice.** 3 hours. This course analyzes the criminal justice process and its effects on practitioners, clients, and the public. It examines resources, organizational status, and leadership in regards to law enforcement agencies, courts and correctional settings, with particular emphasis on how leadership influences the effectiveness of the organization. The construct of bureaucracy and the major philosophical foundations of leadership are also examined.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**CRM 500. Philosophy, Laws, Standards.** 3 hours. This is the introductory course for Cultural Resource Management. It covers the history and philosophy of CRM, the heritage preservation laws that created and govern the field, and current standards and practices of the field.

**CRM 510. Technology and Techniques.** 3 hours. This course is a survey course to introduce and give experience to students to the wide variety of technologies and the necessary techniques to implement those technologies in the field and/or office in a CRM setting. Three major areas of research will be field, analysis, and data dissemination technologies. Specific techniques can be adjusted to each student's previous background and technological expertise.

**CRM 520. Report Writing.** 3 hours. Central to all good archaeology is the writing of reports. This is especially true in cultural resource management, but these reports have unique requirements. They must meet professional standards, the standards of the agencies responsible for the resources, and they must be written in a way that is understandable to the project sponsors. This course will prepare students to produce well-written reports and correspondence for this profession.

**CRM 560. Applied GIS/CRM Professionals.** 3 hours. This course will introduce students to real world applications of Geographical Information Systems (GIS) as it is used in the Cultural Resource Management (CRM) field. Students will learn from applied examples about the critical thinking needed in cartography, digital data management, spatial data collection, resource management, statistical analysis, and visual learning.

**CRM 570. Selected Readings in CRM.** 3 hours. This course permits the student to work with an instructor to develop a syllabus of readings on a topic of the student and instructor's choice that is not otherwise offered through the institution.

**CRM 571. Archaeological Theory.** 3 hours. This is an online course which will cover the central theories that have driven the field of archaeology.

**CRM 579. Special Topics.** 1 TO 6 hours. This course will be developed by the instructor on topics of interest to the students in the CRM Master's Program that are not otherwise offered in the degree plan.

**CRM 580. Internship / CRM.** 3 hours. This is a practicum in cultural resource management during which the student will work on one or more actual CRM projects at least at the level of assistant project director. The work will be carried out in conjunction with a recognized CRM firm or a land managing agency.

**CRM 591. Thesis.** 3 hours. This course is the culminating experience for the MA program in which students demonstrate mastery of the discipline by producing an acceptable Master's Thesis.

**CRM 599. Individual Archaeological Exp.** 1 TO 3 hours. This course permits the student to receive credit for prior professional employment and/or archaeological research. The work will be presented in the form of a research report that meets professional standards.

**CSCI 100. Essentials of Info Technology.** 3 hours. Introduction to fluency with information technology. While this course satisfies the Technology Proficiency Requirement, its depth goes beyond simple proficiency and provides the student with a robust understanding of what is needed to use information technology effectively across a broad range of applications for personal, workforce, educational, and societal needs. An emphasis is placed on computer security topics that

are relevant to even the most casual computer user. Course includes two hours of lecture and one lab period per week.

Prerequisites: MATH 099 Minimum Grade: D

**CSCI 101. Introduction to Programming.** 3 hours.

Introduction to computer programming. Students will learn to write object-oriented, structured, event-driven code through the use of a user-friendly programming language such as Python, Alice, or Microworlds.

Prerequisites: A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S

**CSCI 104. Fundamentals of Programming.** 3 hours. This course is the first course in the introductory programming sequence for computer science and information technology majors, but is suitable for non-majors interested in getting a taste of computer programming. The course covers program creation, basic control structures, variables, arithmetic expressions, functions, parameters, internal documentation, arrays and strings.

**CSCI 150. Introduction to Programming.** 3 hours.

Introduction to computer programming. Students will learn to write object-oriented, structured, event-driven code through the use of a user-friendly programming language such as Visual Basic, Alice, or Microworlds.

Prerequisites: MATH 099 Minimum Grade: S OR A02 - Minimum Score: 19 OR S02 - Minimum Score: 440 OR MAPT - Minimum Score: 23 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: T OR MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: T OR MATH 155 Minimum Grade: C- OR MATH 155 Minimum Grade: T OR MATH 155 Minimum Grade: C- OR MATH 156 Minimum Grade: C- OR MATH 156 Minimum Grade: T

**CSCI 170. Computer Security.** 2 hours. Covers the fundamentals of computer security. Students will conduct hands-on activities for securing both Windows and UNIX operating systems using virtual machines.

**CSCI 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CSCI 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CSCI 200. Discrete Concepts.** 3 hours. A course on the fundamentals of discrete (as opposed to continuous) processes. The course is a foundational course for computer science majors and is meant to be taken early in the program. The course covers a variety of discrete mathematical topics

required for a solid background in computer science, including logic, machine number representation, algorithms, recursion, basic counting techniques, graphs and trees, Boolean algebra, finite state automata, computability theory, regular expressions, and complexity classes.

Prerequisites: MATH 106 Minimum Grade: C- AND (CSCI 208 Minimum Grade: C- OR CSCI 210 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T AND CSCI 208 Minimum Grade: T OR CSCI 210 Minimum Grade: T)

**CSCI 202. Progrmg/Science/Math/Enginrg.** 3 hours. Covers the fundamentals of programming in a language widely used in mathematical, scientific, and engineering disciplines. The programming language may vary each time the course is offered. Examples of languages that may be used in the course include C++, Python, and MatLab.

Prerequisites: (MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: T)

**CSCI 205. Computer Science I.** 5 hours. This course is the second course in the introductory programming sequence for computer science and information technology majors. Through the study of object design this course introduces the basics of graphical user interfaces, data types, control structures, methods, arrays, strings, files, simple graphics and fundamental algorithms. Students will also be introduced to object oriented design, polymorphism, interfaces, the concept of object abstraction, and simple design patterns.

Prerequisites: (CSCI 101 Minimum Grade: C- OR CSCI 104 Minimum Grade: C- OR CSCI 202 Minimum Grade: C-) OR (CSCI 101 Minimum Grade: T OR CSCI 104 Minimum Grade: T OR CSCI 202 Minimum Grade: T)

**CSCI 206. Computer Science II.** 3 hours. This course is the third course in the introductory programming sequence for computer science. The course emphasizes classic data structures and algorithms. Concepts covered include graphs, trees, recursion, complexity classes, sort and search routines, algorithm design, implementation and analysis, threading, generic programming and streams.

Prerequisites: (CSCI 205 Minimum Grade: C-) OR (CSCI 205 Minimum Grade: T)

**CSCI 207. Comp Science IA-Fund of Prog.** 3 hours. This course is the first course in the introductory programming sequence for computer science and business administration/management information science. Through the study of object design this course introduces the basics of graphical user interfaces, data types, control structures, methods, arrays, strings, and files.

Prerequisites: A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MAPT - Minimum Score: 23 OR S02 - Minimum Score: 440

**CSCI 208. Comp Science IB-Obj-Oriented.** 1 hours. This course is the second course in the introductory programming sequence for computer science. The course emphasizes object-oriented programming through a study of encapsulation, polymorphism, coupling, cohesion, composition, aggregation, object-oriented design, interfaces, access control, and

inheritance. Course content also includes an introduction to lists, wrappers, abstract, and final classes as well as the classic model/view/controller and singleton design patterns. Prerequisites: CSCI 207 Minimum Grade: C- OR CSCI 207 Minimum Grade: T

**CSCI 209. Computer Science II-Adv Prgm.** 4 hours. This course is the third course in the Introductory programming sequence for computer science. The course emphasizes classic data structures and algorithms. Concepts covered include graphs, trees, recursion, complexity classes, sort and search routines, algorithm design, implementation and analysis, threading, generic programming, and streams.

Prerequisites: CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T

**CSCI 210. Programming-Math, Sci, & Eng.** 3 hours. Covers the fundamentals of programming in a language widely used in mathematical, scientific, and engineering disciplines. The programming language may vary each time the course is offered. Examples of languages that may be used in the course include C++, Python, and MatLab.

Prerequisites: (MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T)

**CSCI 215. Networking and Security.** 3 hours. Introduces the structure, implementation, and theoretical underpinnings of computer networking and the applications that have been enabled by that technology. Topics include the fundamentals of communications, network management, and wireless computing. An emphasis is placed on network security issues.

Prerequisites: CSCI 170 Minimum Grade: C- OR CSCI 170 Minimum Grade: T

**CSCI 216. Networking and Security Lab.** 2 hours. Students will implement secure network services. Students will also practice various types of hacking attacks and study defenses against them. Virtual machines will be used to simulate networks.

Prerequisites: (CSCI 215 Minimum Grade: C- OR CSCI 345 Minimum Grade: C-) OR (CSCI 215 Minimum Grade: T OR CSCI 345 Minimum Grade: T)

**CSCI 224. Discrete Concepts.** 3 hours. A course on the fundamentals of discrete (as opposed to continuous) processes. The course is a foundational course for students pursuing the B.S. Mathematical Sciences - Computer Science degree. The course covers a variety of discrete mathematical topics required for a solid background in computer science, including mathematical logic, induction and recursion, algorithms and algorithmic complexity, combinatorics and discrete probability, number theory and cryptography, graphs and trees, matrices and relations, Boolean algebra, finite state automata, and the theory of computation.

Prerequisites: (MATH 106 Minimum Grade: C- AND CSCI 205 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T AND CSCI 205 Minimum Grade: T)

**CSCI 235. Foundations of Networks.** 3 hours. This course introduces students to foundational topics on computer networks. An emphasis is placed on the structure, implementation and theoretical underpinnings of computer networking. Focus is on the basics and core concepts of

networking like the OSI layered network architectures, network protocols and principles. Topics include the fundamentals of networking and communications, network management and wireless computing. This class also touches upon some basic security issues related to the layered network design and architecture.

**CSCI 236. Research in Computer Science.** 1 hours. An independent research course. The student will work with a professor on a research project either designed by the student or the professor. The student's research must result in a paper or project and a presentation before a group of peers and professors.

Prerequisites: CSCI 209 Minimum Grade: C- OR CSCI 209 Minimum Grade: T

**CSCI 245. Web Programming and Security.** 4 hours. Covers basic aspects of the internet, focusing on web programming and application layer computer security. No programming background is required. Students will learn how to write a web application using both client- and server-side scripting languages. Students will also participate in activities involving hacking and defending web applications.

Prerequisites: (CSCI 100 Minimum Grade: C- OR CSCI 208 Minimum Grade: C- OR BUS 120 Minimum Grade: C- OR TPP - Minimum Score: 1) OR (CSCI 100 Minimum Grade: T OR CSCI 208 Minimum Grade: T OR BUS 120 Minimum Grade: T OR TPP - Minimum Score: 1)

**CSCI 250. Human Computer Interaction.** 3 hours. Presents a comprehensive introduction to the principles and techniques of human-computer interaction.

Prerequisites: CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T

**CSCI 275. Professional Practice.** 1 hours. Involves work as a computer technician at a business or non-profit as well as studying for and taking an approved professional certification. Professional work experience must be documented and approved prior to enrollment in the course.

Prerequisites: (CSCI 245 Minimum Grade: C- OR CSCI 245 Minimum Grade: T) OR ((CSCI 215 Minimum Grade: C- OR CSCI 215 Minimum Grade: T) AND (CSCI 216 Minimum Grade: C- OR CSCI 216 Minimum Grade: T) )

**CSCI 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CSCI 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CSCI 301. Soft Develop & Prof Pract I.** 2 hours. Combines a range of topics integral to the design, implementation, and testing of medium-scale software including fundamental design patterns, software development processes and project management. Students will form teams and create a design for a medium scale software system. In addition to material on software architecture and engineering, this course also includes material on professionalism and ethical responsibilities in software development and design.

Prerequisites: (CSCI 250 Minimum Grade: C- OR CSCI 250 Minimum Grade: T) AND (CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T)

**CSCI 302. Soft Develop & Prof Pract II.** 2 hours. The follow up course for CSCI 301 in which students will implement, with their team, a software design from CSCI 301. Students will experience project management and software development processes directly. The course will focus on programming techniques and the last stages of the software developmental process, including design, validation, evolution, human computer interaction, using API's, software tools and software development environments.

Prerequisites: CSCI 301 Minimum Grade: C- OR CSCI 301 Minimum Grade: T

**CSCI 307. Prgrmg Languages & Platforms.** 3 hours. This course will examine several of the most used programmable platforms/contexts, the programming languages that are used for each, and why each is the way it is. Specific cases and examples that will be considered are cloud computing, mobile platforms, multiprocessors, service oriented architectures, virtual machines, functional programming, logic programming, web services, security, scripting, and even a little low level programming. Students will learn about the various types of programming languages and their appropriate use as well as the use of scripting languages, architectures, application programming interfaces, and programming practices to facilitate the management, integration and security of the systems that support an organization.

Prerequisites: (CSCI 205 Minimum Grade: C-) OR (CSCI 205 Minimum Grade: T)

**CSCI 308. Architecture/Operating Systems.** 3 hours. Introduction to the concepts of computer architecture and operating systems, including assembly level machine organizations, representation of data, memory systems, bus principles, digital logic, microprograms, functional machine architecture, RISC, CISC, parallel architectures, and overview of operating systems and operating systems principles, concurrency, and memory management.

Prerequisites: CSCI 209 Minimum Grade: D OR CSCI 209 Minimum Grade: T

**CSCI 315. Users Services Practicum.** 3 hours. Assisting computer users with application and instructional software, aiding peers with program development and debugging, and managing day-to-day demands of the computer lab. The course is graded P/F.

Prerequisites: (CSCI 150 Minimum Grade: D OR CSCI 208 Minimum Grade: D OR MATH 210 Minimum Grade: D) OR (CSCI 150 Minimum Grade: T OR CSCI 208 Minimum Grade: T OR MATH 210 Minimum Grade: T)

**CSCI 316. Computer Architecture.** 3 hours. This class will introduce concepts of computer architecture and organization, including assembly level machine organization, data representation, memory systems, bus principles, digital logic, micro programs, functional machine architecture, RISC, CISC, parallel architectures and other advanced architectures. It will expose students to assembly-level programming and will make them implement assembly programs.

Prerequisites: CSCI 206 Minimum Grade: C- OR CSCI 206 Minimum Grade: T

**CSCI 317. Computer System & Architecture.** 4 hours. This class will familiarize students with the basic internals (inner-workings) and design of an OS as well as the core fundamental concepts. Students will learn how an OS exploits the hardware resources of one or more processors, provides a set of services to system users and manages secondary memory and I/O devices. Topics will include process, thread, scheduling, concurrency (exclusion and synchronization), deadlock (prevention, avoidance and detection), memory management, IO management, file management, virtualization and the role of an OS for realizing distributed systems. This course will also cover some security topics with respect to protecting an OS.

Prerequisites: (CSCI 206 Minimum Grade: C-) OR (CSCI 206 Minimum Grade: T)

**CSCI 320. Advanced Internet.** 3 hours. Advanced topics and hands-on experience with hardware and software systems used for providing internet services in industry, education and government. The course will survey systems and service options, examine how to establish and maintain services, and explore implications of new technology for future internet and intranet systems.

Prerequisites: (CSCI 245 Minimum Grade: C- OR CSCI 245 Minimum Grade: T) AND ((CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T) OR (CSCI 210 Minimum Grade: C- OR CSCI 210 Minimum Grade: T) )

**CSCI 325. Algorithm Design & Analysis.** 3 hours. Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of efficiency. Topics include asymptotic complexity bounds, techniques of analysis, algorithmic strategies, and an introduction to automata theory and its application to language translation.

Prerequisites: MATH 250 Minimum Grade: C- AND CSCI 209 Minimum Grade: C- OR (MATH 250 Minimum Grade: T AND CSCI 209 Minimum Grade: T)

**CSCI 328. Artificial Intelligence/Machine Learning.** 3 hours. Provides both a brief overview of the basics of artificial intelligence and machine learning, and an in-depth investigation of selected hot topics in the field. The course will examine basic and advanced search techniques, knowledge representation, machine learning and data mining, natural language processing, and historical and philosophical issues regarding artificial intelligence. The course is a project-based course that will involve implementing and experimenting with open-source machine-learning software.

Prerequisites: (CSCI 206 Minimum Grade: C- AND CSCI 224 Minimum Grade: C-) OR (CSCI 206 Minimum Grade: T AND CSCI 224 Minimum Grade: T)

**CSCI 330. Artificial Intelligence.** 2 hours. Provides both a brief overview of the basics of artificial intelligence and machine-learning, and an in-depth investigation of selected hot-topics in the field. The course will examine basic and advanced search techniques, knowledge representation, machine learning and data mining, natural language processing, and historical and philosophical issues regarding

artificial intelligence. The course is a project-based course that will involve implementing and experimenting with open-course machine-learning software.

Prerequisites: (CSCI 209 Minimum Grade: C- AND MATH 340 Minimum Grade: C-) OR (CSCI 209 Minimum Grade: T AND MATH 340 Minimum Grade: T)

**CSCI 341. Web Design.** 3 hours. This course covers the design, implementation and testing of web-based applications including related software, databases, interfaces, and digital media. It also covers social, ethical, and security issues arising from the Web and social software. Students use these tools to turn the static pages into a powerful, interactive Web site.

Prerequisites: (CSCI 205 Minimum Grade: C-) OR (CSCI 205 Minimum Grade: T)

**CSCI 343. Database Systems.** 3 hours. Introduction to database design, implementation, security, transaction management, administration, and programming. Includes a study of embedded, relational, object-oriented, and distributed database architectures.

Prerequisites: (CSCI 205 Minimum Grade: C-) OR (CSCI 205 Minimum Grade: T)

**CSCI 345. Net-Centric Computing.** 3 hours. Introduces the structure, implementation, and theoretical underpinnings of computer networking and the applications that have been enabled by that technology. Topics include the fundamentals of communications, network management, wireless computing, and recent trends in network communications. An emphasis is placed on network security issues. Aspects of cryptographic programming are covered including secure communication with DES, key exchange and Diffie Hellman protocol, digest algorithms, and SSL.

Prerequisites: CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T

**CSCI 347. Software Development/Prof Practic I.** 2 hours.

Combines a range of topics integral to the design, implementation, and testing of medium-scale software systems including fundamental design patterns, software development processes and project management. Students will form teams, work on two small projects during the term and create a proposal for a medium scale software system to be completed in CS348. In addition to material on software architecture and engineering, this course also includes material on professionalism and ethical responsibilities in software development and design.

Prerequisites: (CSCI 206 Minimum Grade: C-) OR (CSCI 206 Minimum Grade: T)

**CSCI 348. Software Development/Prof Practic II.** 2 hours. The follow up course for CSCI 347 in which students will implement, with their team, a software design they created in CSCI 347. Students will experience project management and software development processes directly. The course will focus on programming techniques and the last stages of the software development process, including design, validation, evolution, human computer interaction, using APIs, software tools and software development environments.

Prerequisites: (CSCI 347 Minimum Grade: C-) OR (CSCI 347 Minimum Grade: T)

**CSCI 360. Database Systems.** 2 hours. Introduction to database design, implementation, security, transaction management, administration, and programming. Includes a study of embedded, relational, object-oriented, and distributed database architectures.

Prerequisites: CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T

**CSCI 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CSCI 385. Users Services Practicum.** 3 hours. This course is focused on providing experience in the administration of computer systems. Students will be involved in security, cloning, and general management issues associated with computer labs. The course is graded P/F.

Prerequisites: (CSCI 205 Minimum Grade: C-) OR (CSCI 205 Minimum Grade: T)

**CSCI 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CSCI 410. Computer Graphics & Multimedia.** 3 hours. Offers an introduction to computer graphics, which has become an increasingly important area within computer science. Computer graphics, particularly in association with the multimedia aspects of the World Wide Web, have opened up exciting new possibilities for the design of human-computer interfaces. The purpose of this course is to investigate the principles, techniques, and tools that have enabled these advances.

Prerequisites: (CSCI 209 Minimum Grade: C- AND MATH 321 Minimum Grade: C-) OR (CSCI 209 Minimum Grade: T AND MATH 321 Minimum Grade: T)

**CSCI 418. Multiprocessor Computing.** 3 hours. Introduction to multiprocessor programming and application development covers the principles and practice of distributed system architectures and models, interprocess communication, distributed algorithms, concurrency, security, application programming interfaces, system performance, and programming paradigms appropriate for programming of multiprocessor systems.

Prerequisites: (CSCI 316 Minimum Grade: C- AND CSCI 325 Minimum Grade: C-) OR (CSCI 316 Minimum Grade: T AND CSCI 325 Minimum Grade: T)

**CSCI 435. Advanced Networking.** 3 hours. This course introduces students to network configurations with in-depth and enhanced understanding of the inner workings of computer networks. Focus is given to applications of the computer networking technologies and consolidates student understandings of network architectures (the OSI model) and protocol design principles through lab sessions. Lab sessions feature computer networking hands-on exercises. The course also exposes students to network programming and therefore requires programming skills as a prerequisite. Aspects of cryptographic programming are covered along with topics on secure communication including DES, key exchange, Diffie-Hellman protocol, digest algorithms and SSL.

Prerequisites: (CSCI 235 Minimum Grade: C- AND CSCI 206 Minimum Grade: C-) OR (CSCI 206 Minimum Grade: T AND CSCI 235 Minimum Grade: T)

**CSCI 436. Research in Computer Science.** 1 hours. An independent research course. The student will work with a professor on a research project designed by the student or the professor. The student's research must result in a professional quality paper or project and a presentation before a group of peers and professors.

**CSCI 445. Distributed Computing.** 3 hours. Introduction to distributed programming and application development. Covers the principles and practice of distributed system architectures and models, interprocess communication, distributed algorithms, concurrency, security, application programming interfaces, and system performance.

Prerequisites: (CSCI 308 Minimum Grade: C- OR CSCI 308 Minimum Grade: T)(CSCI 345 Minimum Grade: C- OR CSCI 345 Minimum Grade: T)(CSCI 215 Minimum Grade: C- OR CSCI 215 Minimum Grade: T) AND (CSCI 216 Minimum Grade: C- OR CSCI 216 Minimum Grade: T)

**CSCI 471. Senior Capstone I.** 1 hours. First-semester of a capstone course intended for senior computer science and information technology majors. In this course students will begin the development of a project to be conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of technical material appropriate to the disciplines of mathematics, computer science, and physics.

**CSCI 472. Senior Capstone II.** 1 hours. Second-semester of a capstone course intended for senior computer science and information technology majors. In this course students will continue the development of an independent project, begun in CSCI 471, and conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of a technical material appropriate to the mathematical sciences.

Prerequisites: (CSCI 471 Minimum Grade: C-) OR (CSCI 471 Minimum Grade: T)

**CSCI 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CSCI 492. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**CSCI 579. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**CSCI 592. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**CSCI 599. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ECE 279. Special Topics.** 3 hours. Offered periodically to meet students special interests in the field.

**ECE 303. Current Issues and Trends EC.** 3 hours. Students will examine social, political, economic, and educational trends

and issues that influence the education of young children, both past and present. They will investigate research, practices, and positions related to the issues studied. Students will explore available models for possible solutions or resolution of issues, as well as factors that may have an impact on desired outcomes for the field.

**ECE 323. Young Children w/Special Needs.** 3 hours. This course is designed to ensure that students have a firm grounding in working with students with special needs in the early childhood setting. Needs of the child are explored through an examination of the child, family and environmental characteristics. Typical and atypical language, speech, emotional, motor and cognitive development is presented with a focus on the interdependent nature of these domains. The course will enable students to understand the importance of trans-disciplinary collaboration of educators and specialists from occupational therapy, physical therapy, speech and language, psychology and recreation and health in making educationally relevant decisions. Students become familiar with individual and group activities and strategies for implementation in the classroom and enter with a clear set of guidelines for intervention strategies with children and support for families. Ten logged and documented field hours in an approved setting are required.

Prerequisites: (PSYC 204 Minimum Grade: C OR ECE 260 Minimum Grade: T)

**ECE 333. Tchg/Lrng Eng Lang Lrns.** 3 hours. Students will discover and implement various research-based strategies and techniques used to create and support language- and culturally-rich environments for dual language learners in early childhood settings. Topics discussed in the course include: supporting first and second language emergent literacy; implementing effective classroom communication; organizing the classroom for language/culturally-responsive instruction; and of dual language learners, impact of cultural and linguistic diversity on teaching and learning; second language learning processes and milestones; issues and factors related to second language acquisition and teaching; and working with parents and families of dual language learners. Fifteen logged and documented field hours in an approved early childhood site required.

Prerequisites: (ECE 303 Minimum Grade: C AND ED 230 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ECE 340 Minimum Grade: C AND ECE 343 Minimum Grade: C AND ECE 353 Minimum Grade: C AND ECE 363 Minimum Grade: C AND ECE 433 Minimum Grade: C AND ECE 424 Minimum Grade: C OR ED 345 Minimum Grade: C) AND BKCK - Minimum Score: 1

**ECE 340. Und/Wrk Diverse Fmly & Comm.** 3 hours. Students will be introduced to the interrelationships of family systems and will develop an awareness of the educator's role in supporting young children and their families. This course emphasizes cultural diversity, parenting styles; environmental influences, diverse communities and resources for families. Twenty logged and documented field hours in an approved early childhood site required.

Prerequisites: (ECE 303 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ED 340 Minimum Grade: C)

**ECE 343. Advocacy and Leadership in EC.** 3 hours. This course gives students a foundation in the theories of leadership and the concepts of supervision that are applicable in early childhood settings. Students will be expected to have opportunities to practice the various and diverse skills associated with effective supervision. This course will foster the development of early childhood stakeholder leadership skills including advocacy, supervision, accessing funding, and networking. Ten logged and documented field hours in approved ECE setting required.

Prerequisites: ECE 303 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ECE 340 Minimum Grade: C AND ECE 353 Minimum Grade: C AND ECE 424 Minimum Grade: C AND ECE 433 Minimum Grade: C AND ED 230 Minimum Grade: C

**ECE 353. Play in Early Childhood.** 3 hours. In this course students explore the nature of play, and creativity, and how these are nurtured and enriched. Play theory, play research and the nature and stages of play are examined. Interrelationship between play, creativity, and development, learning, and imagination are considered. This course is designed to examine the content and methods available to facilitate children's expression through art, music, free play and dramatic play within the early childhood environment. Students will learn how to use the environment and interaction to facilitate through play the development of young children to promote growth across development domains. Fifteen logged and documented field hours in an approved early childhood site required. Field hours are tied to artifacts and proficiency of standards.

Prerequisites: ECE 303 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ECE 340 Minimum Grade: C AND ECE 424 Minimum Grade: C AND ED 340 Minimum Grade: C

**ECE 363. Spanish for Teachers.** 3 hours. This course provides foundational Spanish knowledge and skills for classroom teachers in the Early Childhood program of study. Prerequisites: ECE 303 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ECE 340 Minimum Grade: C AND ECE 353 Minimum Grade: C AND ECE 424 Minimum Grade: C AND ECE 433 Minimum Grade: C AND ED 230 Minimum Grade: C

**ECE 373. Adv Infant & Toddler Devt.** 3 hours. This course provides an in-depth study of important influences on infant and toddler development, with emphasis on the role and responsibilities of parents and caregivers in creating high quality, supportive environments with sensitivity to attachment and the importance of communication skills in nurturing positive parent/teacher/child relationships. Fifteen hours of Field Experience are required to be logged in an approved ECE setting/Infant Toddler Room to receive credit for this class. Prerequisites: BKCK - Minimum Score: 1

**ECE 379. Special Topics.** 3 hours. Offered periodically to meet student special interests in the field.

**ECE 399. Individual Study.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.



**ECE 401. Integrated Math & Sci Mthds EC.** 2 hours. This course is designed to provide the student with methods and techniques for teaching mathematics and science in the early grades (K-3) along with a study of current National and Colorado State Standards for mathematics and science. This course will provide a deep understanding of the concepts covered in early learning of both content areas. Techniques for assessing student knowledge and ways of integrating mathematics and science with other disciplines will also be covered. This course is aligned with standards needed for licensure. This course is taken concurrently with ECE 402 Literacy and Language and ECE 430 K-3 Practicum ECE Senior Block. Math 155 minimum grade C or T and Math 156 minimum grade C or T, or the general education requirement for mathematics minimum grade C or T.

Prerequisites: (ECE 303 Minimum Grade: C OR ECE 303 Minimum Grade: T) AND (ED 230 Minimum Grade: C OR ED 230 Minimum Grade: T AND ECE 323 Minimum Grade: C OR ECE 323 Minimum Grade: T AND ECE 340 Minimum Grade: C OR ECE 340 Minimum Grade: T AND ECE 343 Minimum Grade: C OR ECE 343 Minimum Grade: T AND ECE 353 Minimum Grade: C OR ECE 353 Minimum Grade: T AND ECE 363 Minimum Grade: C OR ECE 363 Minimum Grade: T AND ECE 433 Minimum Grade: C OR ECE 433 Minimum Grade: T AND ECE 424 Minimum Grade: C OR ECE 424 Minimum Grade: T AND ED 345 Minimum Grade: C OR ED 345 Minimum Grade: T) AND BKCK - Minimum Score: 1

**ECE 402. Adv Lit and Lang Devl.** 2 hours. This course in Literacy and Language Development focuses on reading and writing methodology and curricula in language development, content area literacy, vocabulary development, study skills, and inferential and critical comprehension skills. Using the reading and writing processes as basic foundations, this course will provide the balanced practices related to the implementation of literacy instruction. The course will also include and extension of children's literacy (expository) as a vehicle for exploring a variety of genres. Best practices research in the reading and writing instruction will be embedded throughout the courses. Students will also learn about individualized assessment for the diagnosis of reading and writing and spelling disabilities. This course also helps the teacher licensure candidate create a body of evidence using multiple assessments (both formal and informal) which informs the design of an Individual Literacy Plan (ILP); student study terms (SST); remediation plans; special education staffing; and instructional improvement. Additionally, the exploration of recognizing cognitive discrepancies among students; the recognition of perceptual-communicative disorders; the understanding of achievement and cognitive discrepancies; the uses and purpose of standardized testing; and the aforementioned concepts in their relationship to improving instruction and student performance will be emphasized.

Prerequisites: BKCK - Minimum Score: 1 AND (ECE 303 Minimum Grade: C OR ECE 303 Minimum Grade: T AND ED 230 Minimum Grade: C OR ED 230 Minimum Grade: T AND ECE 323 Minimum Grade: C OR ECE 323 Minimum Grade: T AND ECE 340 Minimum Grade: C OR ECE 340 Minimum Grade: T AND ECE 343 Minimum Grade: C OR ECE 343

Minimum Grade: T AND ECE 353 Minimum Grade: C OR ECE 353 Minimum Grade: T AND ECE 363 Minimum Grade: C OR ECE 366 Minimum Grade: T AND ECE 433 Minimum Grade: C OR ECE 433 Minimum Grade: T AND ECE 424 Minimum Grade: C OR ECE 424 Minimum Grade: T AND ED 345 Minimum Grade: C OR ED 345 Minimum Grade: T)

**ECE 403. K-3 Practicum ECE Senior Blk.** 2 hours. This course is designed to provide the student with an opportunity to learn from mentor teachers in the field and put into practice methods and techniques for teaching literacy, mathematics and science in the early grades (K-3). This course is aligned with standards need for licensure. This course is taken concurrently with ECE 402 Literacy and Language and ECE 401 Integrated Mathematics and Science Methods. Thirty logged and documented field hours in an approved early childhood site required.

Prerequisites: AND (ECE 303 Minimum Grade: C OR ECE 303 Minimum Grade: T AND ED 230 Minimum Grade: C OR ED 230 Minimum Grade: T AND ECE 323 Minimum Grade: C OR ECE 323 Minimum Grade: T AND ECE 340 Minimum Grade: C OR ECE 340 Minimum Grade: T AND ECE 343 Minimum Grade: C OR ECE 343 Minimum Grade: T AND ECE 353 Minimum Grade: C OR ECE 353 Minimum Grade: T AND ECE 363 Minimum Grade: C OR ECE 363 Minimum Grade: T AND ECE 433 Minimum Grade: C OR ECE 433 Minimum Grade: T AND ECE 343 Minimum Grade: C OR ECE 343 Minimum Grade: T AND ECE 424 Minimum Grade: C OR ECE 424 Minimum Grade: T AND ED 345 Minimum Grade: C OR ED 345 Minimum Grade: T) BKCK - Minimum Score: 1

**ECE 424. Curriculum and Instruction.** 3 hours. This course provides a brief overview of the educational and philosophical principles that influence early childhood curriculum (for children ages 0-8). Students will explore in-depth components of early childhood effective instruction, theoretical bases, planning, implementation, and evaluation of all aspects related to curriculum that supports the development of the whole child". Thirty field hours logged and documented in approved ECE required."

Prerequisites: ECE 303 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ED 230 Minimum Grade: C

**ECE 425. Student Teaching-Early Childh.** 15 hours. The purpose of this course is to expose the student to a semester of teaching, observing, and participating in classroom related experiences in a preschool setting. The experience will be supervised by one or more cooperating teachers and coordinated by a college supervisor. For a 0-8 license in Early Childhood Education, students must teach in two different age ranges (K-2, and pre-primary: ages 3-5 years). Student teaching is counted as 640 hours of the 800 hours required by CDE.

Prerequisites: (ECE 110 Minimum Grade: C- AND ECE 112 Minimum Grade: C- AND ECE 115 Minimum Grade: C- AND ECE 320 Minimum Grade: C- AND ECE 340 Minimum Grade: C- AND ECE 424 Minimum Grade: C-) OR (ECE 110 Minimum Grade: T AND ECE 112 Minimum Grade: T AND ECE 115 Minimum Grade: T AND ECE 320 Minimum Grade: T AND ECE 340 Minimum Grade: T AND ECE 424 Minimum Grade: T)

**ECE 433. Creating Positive Environments.** 3 hours.

Students will study establishing a positive social climate, designing appropriate physical environments, establishing classroom rules and routines, and discussing techniques for handling challenging behaviors. There will be an emphasis on understanding factors that influence the development of various behaviors within the context of children's social and emotional development. Students will gain understanding in the guidance of social development in young children in both indoor and outdoor environments using developmentally appropriate practices. Effective family and staff interactions will also be addressed. Fifteen field hours logged and documented in approved ECE setting required. Field hours are tied to artifacts and proficiency of standards.

Prerequisites: ECE 303 Minimum Grade: C AND ECE 323 Minimum Grade: C AND ECE 340 Minimum Grade: C AND ECE 424 Minimum Grade: C AND ED 230 Minimum Grade: C

**ECE 443. DAP and Efct Prcts - Assmt.** 3 hours. This course is designed to lead students to an understanding of the link between practice and assessment. Students will study methodologies, instruments, and procedures in assessing young children, their environments, and their programs. While studying developmentally appropriate activities and materials, students will also conduct and examination of formal and informal classroom assessment procedures, observation techniques, using data for planning, methods of action research, and standardized measurement. There will be a focus on how children represent their understanding through language, dramatic play, art, blocks, sand and water manipulatives. Considerations in choosing, administering, and reporting results of assessments will also be addressed. Fifteen logged and documented field hours in an approved early childhood site required. Field hours are tied to artifacts and proficiency of standards.

Prerequisites: ECE 424 Minimum Grade: C OR ECE 424 Minimum Grade: T AND ECE 303 Minimum Grade: C AND ECE 230 Minimum Grade: C AND ECE 340 Minimum Grade: C AND ECE 343 Minimum Grade: C AND ECE 353 Minimum Grade: C AND ECE 363 Minimum Grade: C AND ECE 433 Minimum Grade: C AND ED 345 Minimum Grade: C OR ED 345 Minimum Grade: T AND BKCK - Minimum Score: 1

**ECON 201. Econ & Today's Society GT-SS1.** 3 hours. A general education course using economic thinking to better understand major issues of the nation and world. Learning how the economic behavior of individuals, families, businesses, and government, reflects their drive to meet their needs and satisfy their wants in a world of economic and environmental scarcity. This Course will help students understand the causes and potential solutions to issues such as energy scarcity, unemployment, inflation, pollution, poverty, health care, education, and other important issues.

**ECON 255. Macroeconomics Principles.** 3 hours. Detailed understanding of the national economy and macroeconomic principles: including opportunity cost, production possibility curve, demand and supply, fiscal and monetary policy, market failures, and the workings of the market system. Analysis of the changes in economic policies from a now globalized economy

**ECON 256. Microeconomics Principles.** 3 hours. Detailed understanding of the micro approach to the workings of the market system focusing on the individual and the firm and the economic tools needed to operate efficiently.

Prerequisites:

**ECON 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ECON 379. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

Prerequisites: (ECON 255 Minimum Grade: D AND ECON 256 Minimum Grade: D) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T)

**ECON 399. Individual Studies.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: (ECON 255 Minimum Grade: D OR ECON 255 Minimum Grade: T) AND (ECON 256 Minimum Grade: D OR ECON 256 Minimum Grade: T)

**ECON 425. Economic Policy.** 3 hours. Study of the structure and functions of the U.S. economic system and the use of monetary, fiscal, and other policies to stabilize the economy. Emphasis on historical roots and the evolution into new behavioral economic ideas as well as the complex interplay of policy and economic forces.

Prerequisites: (ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C- AND MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C-) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T AND MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T)

**ECON 433. Managerial Economics.** 3 hours. Application and integration of microeconomic theory and the tools of decision science to managerial decision-making. Particular emphasis placed on the economic differences caused by monopolies, cartels, and multi-national organizations and their domination of many industries. Understanding of game theory and new economic analysis tools.

Prerequisites: (ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C- AND MATH 104 Minimum Grade: C-) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T AND MATH 104 Minimum Grade: T) OR (ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C- AND MATH 104 Minimum Grade: C-)

**ECON 474. Seminar Current Econ Issues.** 3 hours. Analysis in seminar format of a broad range of vital economic issues affecting American society.

Prerequisites: (ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C-) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T)

**ECON 479. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

Prerequisites: (ECON 255 Minimum Grade: D AND ECON 256 Minimum Grade: D) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T)

**ECON 499. Individual Studies.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of

special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: (ECON 255 Minimum Grade: D AND ECON 256 Minimum Grade: D) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T)

**ECON 505. Managerial Economics.** 3 hours. This course demonstrates how economics theory is applied to national and international managerial decision-making. The course covers topics such as demand analysis, production and cost functions, market structure, managerial understanding of public policy, and international trade finance topics. Pre-req.-Undergraduate Economics course with a grade of C or higher.

**ECON 579. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

Prerequisites:

**ECON 599. Individual Studies.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

Prerequisites:

**ED 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**ED 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 200. Perspectives Teaching/Learning.** 3 hours. A study of school, societal and cultural issues and their influences on teaching and learning. As an introductory course, the purpose is to learn about teaching as a career choice, the historical development of American education, social and political structures in the schools, and power groups influencing educational policy. Issues of educational reform will include civil rights, students' rights, ethnic, gender and racial issues, individualizing instructions, special education, learning theory models, ( inclusive of diversity issues related to electronic media) and alternative school structures. Emphasis is placed on the orientation and development of a proficient and reflective professional educator. A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office Prior to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites: BKCK - Minimum Score: 1

**ED 220. The Exceptional Learner.** 3 hours. This course is designed to survey the foundations of special education, including historical, philosophical perspectives, legal issues and current trends in instruction and programming. Students will explore the role of general education as it relates to the education of the student with exceptional needs. Emphasis will be placed on developing knowledge of various disabling conditions, available resources and educational alternatives. Students will learn about the ethical and sociopolitical influences on prevention, intervention and educational programs for students with special needs, from birth through

post-secondary ages. Learning characteristics and the diverse needs of students who receive special education services will also be studied. From a pedagogically sound, as well as developmentally appropriate perspective, the similarities and differences within and between exceptionalities and typical development will be emphasized. A 20-hour, supervised field-based experience is a course requirement. Students will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office PRIOR to the beginning of the field experience component. Background check must be completed before classes begin. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites: BKCK - Minimum Score: 1

**ED 230. Lit/Language Development I.** 3 hours. This beginning course in reading and writing defines the relationship among a) cognitive and linguistic development, b) emergent literacy, c) the history of reading instruction, and d) the neuro-physiology and (brain research) of language learning [i.e., speaking, reading, writing, visual representation, and listening]. There is a dual focus on the process of reading and writing and the expectations at each level of proficiency and how those expectations are related to: a) phonics, b) concepts about print, c) gaining meaning from text, d) developmental stages of spelling, e) phonemic awareness, word identification, stages of graphonics and sign vocabulary, and f) the writing process. Additionally, this course will include an introduction to children's literature (narratives) as a vehicle for exploring literacy elements and integrated language arts.

Prerequisites: BKCK - Minimum Score: 1

**ED 279. Special Topics.** 0 TO 5 hours. Offered periodically to meet student special interests in the field.

**ED 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 300. Literacy & Language Dev II.** 3 hours. This second course in the Literacy and Language Development sequence focuses on reading and writing methodology and curricula in language development, content area literacy, vocabulary development, study skills, and, inferential and critical comprehension skills. Using the reading and writing processes as basic foundations, this course will provide the balanced practices related to the implementation of literacy instruction. The course will also include an extension of children's literacy instruction. The course will also include an extension of children's literacy (expository) as a vehicle for exploring a variety of genres. Best practices research in the reading and writing instruction will be embedded throughout the courses. Prerequisites: (TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1 AND ED 230 Minimum Grade: C) OR (TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1 AND ED 230 Minimum Grade: T)

**ED 310. Methods/Teaching Science-Elem.** 3 hours. This course provides a background in constructivist, inquiry based science instruction that corresponds to the Colorado State Science Content Standards. This background prepares the student to develop and implement student centered learning in

science. Emphasis is given to the integration science into the broader curriculum, especially literacy, and to instruction strategies that support success for all students, including linguistically and culturally diverse students. This course has field lab hours, which are attached to the senior block, focusing on field-based experience related to the teaching of science in the elementary classroom. Students will have completed Gen Ed Science requirements minimum grade C or T.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 328. Methods/Teaching Math-Elem.** 3 hours. This course is designed to provide the student with methods and techniques for teaching mathematics in the elementary school along with a study of current National and Colorado State Standards for elementary school mathematics. This course will provide a deep understanding of the concepts covered in elementary school. Techniques for assessing student knowledge and ways of integrating mathematics with other disciplines will also be covered. This course has field lab hours focusing on field-based experience related to the teaching of math in the elementary classroom. Lab assignments are off-campus; students are responsible for their own transportation. MATH 155 minimum grade C or T and MATH 156 minimum grade C or T or the gen ed requirement for math plus one class from the following (minimum grade C or T): MATH 106, MATH 107, MATH 120, MATH 121, PSYC 211.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1 AND (MATH 155 Minimum Grade: C OR MATH 155 Minimum Grade: T) AND (MATH 156 Minimum Grade: C OR MATH 156 Minimum Grade: T) OR (MATH 104 Minimum Grade: C OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: C OR MATH 120 Minimum Grade: T OR MATH 121 Minimum Grade: C OR MATH 121 Minimum Grade: T OR MATH 150 Minimum Grade: C OR MATH 150 Minimum Grade: T) AND (MATH 106 Minimum Grade: C OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: C OR MATH 120 Minimum Grade: T OR MATH 121 Minimum Grade: C OR MATH 121 Minimum Grade: T OR PSYC 211 Minimum Grade: C OR PSYC 211 Minimum Grade: T)

**ED 340. Methods/Teaching Math-Sec.** 3 hours. This course is designed to support the beginning secondary math teacher. Presuming a solid foundation of conceptual knowledge in the content area, the course emphasizes the development of a framework of instructional knowledge and skills to provide successful learning for all students. This course has 60 field lab hours, which are off-campus; students are responsible for their own transportation. Students must take at least 24 semester hours of credit in math.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 345. Educational Psychology.** 3 hours. Designed to explore the background of educational psychology. Major topic areas include: research, value and utilization, student characteristics and diversity, learning theories and their

application, motivation, teaching methods and practices, evaluating student learning, and standardized measurements. Students will develop increased ability to understand and assess the interrelationships of intellectual, cognitive, instructional, personality, social and cultural influences, theories, and factors as they affect the learning environments. Students will cover assessment procedures, analysis of data, legal and ethical responsibilities as part of necessary research and evaluation within the school learning environment. Emphasis is placed on developing knowledge of historical and current research and its meaning for interaction and planning in the school setting.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 350. Methods/Teaching Science-Sec.** 3 hours. This course is designed to support the beginning secondary science teacher. Presuming a solid foundation of conceptual knowledge in the content area, the course emphasizes the development of a framework of instructional knowledge and skills to provide successful learning for all students. This course has 60 field lab hours, which are off-campus; students are responsible for their own transportation. Students are required to take at least 24 semester hours of credit in math and/or science (minimum grade C- or T).

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ED 392. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ED 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 404. Literacy and Language Dev III.** 2 hours. This third course in the Literacy and Language Development sequence focuses on individualized assessment for the diagnosis of reading and writing and spelling disabilities. This course also helps the teacher licensure candidate create a body of evidence using multiple assessments (both formal and informal) which informs the design of an Individual Literacy Plan (ILP); student study teams (SST); remediation plans; special education staffings; and, instructional improvement. Additionally, the exploration of recognizing cognitive discrepancies among students; the understanding of achievement and cognitive discrepancies; the uses and purposes of standardized testing; and the aforementioned concepts in their relationship to improving instruction and student performance will be emphasized. This course has field lab hours, which are off-campus; students are responsible for their own transportation.

Prerequisites: (TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1 AND ED 230 Minimum Grade: C AND ED 300 Minimum Grade: C) OR (TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1 AND ED 230 Minimum Grade: T AND ED 300 Minimum Grade: T)

**ED 405. Literacy & Language Dev III.** 3 hours. This third course in the Literacy and Language Development sequence

focuses on individualized assessment for the diagnosis of reading and writing and spelling disabilities. This course also helps the teacher licensure candidate create a body of evidence using multiple assessments (both formal and informal) which informs the design of an Individual Literacy Plan (ILP); student study teams (SST); remediation plans; special education staffings; and instructional improvement. Additionally, the exploration of recognizing cognitive discrepancies among students; the understanding of achievement and cognitive discrepancies; the uses and purposes of standardized testing; and the aforementioned concepts in their relationship to improving instruction and student performance will be emphasized. A 20-hour, supervised, field-based experience is a course requirement. Elementary licensure candidates will be required to wear photo identification as they participate in this field experience. Photo IDs must be obtained from the ASU Campus Card Office PRIOR to the beginning of the field experience component. This is a requirement, not an option. This course is offered through Extended Studies through the REAP program only. Prerequisites: (ED 300 Minimum Grade: C AND ED 230 Minimum Grade: C AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1) OR (ED 300 Minimum Grade: T AND ED 300L Minimum Grade: T AND ED 230 Minimum Grade: T AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1)

**ED 410. Class Instruct/Mngmnt.** 3 hours. This course is designed to introduce candidates for licensure to basic theory and principles of practice in the area of classroom management and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to evaluation and planning to successfully deal with management in the classroom. Additional focus will be on the successful management of time, communication, and record-keeping procedures that support and enhance student learning. Additionally candidates for licensure will design a management plan for a specific grade level. This data will be added to the portfolio initiated in the Perspectives Teaching and Learning course. A 20-hour, supervised field-based experience must be completed as a course requirement. This course is offered through Extended Studies through the REAP program only. Prerequisites: TEPP - Minimum Score: 1

**ED 414. Class Instruct/Mngmnt - Elem.** 2 hours. This course is designed to introduce elementary licensure candidates to basic theory and principles of practice in the areas of classroom instruction, classroom management, and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to the design and implementation evaluation and planning to successfully deal with management in the classroom. Additional focus will be on classroom instruction that promotes student achievement, the successful management of time, communication, and recordkeeping procedures that support and enhance student learning. Additionally, licensure candidates will design a management plan. This course had field lab hours, which are off-campus; students are responsible for their own transportation. Prerequisites: admitted to Teacher Education Preparation

Program, score of 1 and background check completed, score of 1.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 416. Sec/K-12 Class Instruct/Mngmnt.** 2 hours. This course is designed to introduce licensure candidates to basic theory and principles of practice in the areas of classroom instruction, classroom management, and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to the design and implementation evaluation and planning to successfully deal with management in the classroom. Additional focus will be on classroom instruction that promotes student achievement, the successful management of time, communication, and record keeping procedures that support and enhance student learning. Additionally, licensure candidates will design a management plan. This course had field lab hours, which are off-campus; students are responsible for their own transportation. Prerequisites: admitted to Teacher Education Preparation Program, score of 1 and background check completed, score of 1.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 420. Ed Practices/Assessment.** 3 hours. This course is designed to assist the elementary licensure candidate in learning the theoretical foundations, skills and strategies to assess students in ways that inform instruction and improve learning. Candidates will explore the purposes of assessment, learn when and how to use a variety of assessment methods, learn to construct valid classroom instruments (i.e. selected-responses, constructed-response, and performance assessments), learn how to minimize assessment bias, and use appropriate accommodations that ensure student learning in a standard-based curriculum. A 20-hour, supervised, field-based experience must be completed as a course requirement. This course is offered through Extended Studies through the REAP program only.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 424. Elem Ed Practices/Assessment.** 2 hours. The Teacher Education Program portfolio will be continued in this course. The required elements for the program portfolio will include student constructed assessment tools, a standard-based mini unit, electronic data on alternative assessments and an assessment reporting profile. This course had field lab hours, which are off-campus; students are responsible for their own transportation.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 426. Sec/K-12 Ed Practice/Assmnt.** 2 hours. This course is intended to assist the secondary licensure candidate in learning the theoretical foundations, skills and strategies to assess students in ways that inform instruction and improve learning. Candidates will explore the purposes of assessment, learn when and how to use a variety of assessment methods, learn to construct valid classroom instruments (i.e. selected-response, constructed-response and performance assessments), learn how to minimize assessment bias, and

use appropriate accommodations that ensure student learning in a standard-based curriculum. This course had field lab hour, which are off-campus; students are responsible for their own transportation.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 429. Content Area Literacy.** 2 hours. Approaches and strategies for teaching secondary reading in various subject areas. Topics include textbook selection and readability, comprehension skills, study skills, and meeting needs of diverse student populations.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 434L. Field Experience Lab - Elem.** 3 hours. Senior Block component. Labs scheduled one day per week, eight hours per day. Students complete field hours as arranged by the Teacher Education office. Reflections and proficiencies demonstrated during this experience meet requirements for evidences related to concurrent (senior block) courses. Supervision is provided by senior block course instructors. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 435. Student Teaching-Elementary.** 1 TO 15 hours. Corresponds with the public school calendar for one full semester. Student teacher candidates must pass state required field content examination, (i.e., the Program for Licensing Assessments for Colorado Educators (PLACE) or Praxis II content exam) prior to the student teacher semester. This field experience provides student teachers with comprehensive experience. Students must complete all components explained in the Student Teaching Handbook. An Educational Field Experience Team will help student teacher acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating mentor teacher, the college field supervisor, the building principal, and the classroom students. The student teaching experience requires a minimum of 640 hours of contact time.

Prerequisites: TEPP - Minimum Score: 2 AND BKCK - Minimum Score: 1

**ED 436L. Field Experience Lab-Sec/K-12.** 3 hours. Senior block component. Labs scheduled one day per week, eight hours per day. Students complete field hours as arranged by the Teacher Education office. Reflections and proficiencies demonstrated during this experience meet requirements for evidences related to concurrent (senior block) courses. Supervision is provided by senior block course instructors. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 438L. Field Experience Lab-MA+.** 2 hours. MA+Senior Block component. Students complete field hours as arranged by the Teacher Education Office. Reflections and proficiencies demonstrated during this experience meet requirements for evidences related to concurrent (senior block) courses.

Supervision is provided by MA+ course instructors. Lab assignments are off-campus; students are responsible for their own transportation.

Prerequisites: TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**ED 445. Student Teaching-Secondary.** 1 TO 15 hours. Corresponds with the public school calendar for one full semester. Student teacher candidates must pass state required field content examination, i.e. (the Program for Licensing Assessments for Colorado Educators (PLACE) or Praxis II content exam) prior to the student teacher semester. This field experience provides student teachers comprehensive experience. Students must complete all components explained in the Student Teaching Handbook. An Educational Field Experience Team will help the student teacher acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating mentor teacher, the college field supervisor, the building principal, and the classroom students. The student teaching experience requires a minimum of 640 hours of contact time.

Prerequisites: TEPP - Minimum Score: 2 AND BKCK - Minimum Score: 1

**ED 455. Student Teaching K-12.** 1 TO 15 hours. Corresponds with the public school calendar for one full semester. Student teacher candidates must pass state required field content examination, (i.e., the Program for Licensing Assessments for Colorado Educators (PLACE) or Praxis II content exam) prior to the student teacher semester. This field experience provides student teachers comprehensive experience. Students must complete all components explained in the Student Teaching Handbook. An Educational Field Experience Team will help student teacher candidates acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher candidate, the cooperating mentor teacher, the college field supervisor, the building principal, and the classroom students. The student teaching experience requires a minimum of 640 hours of contact time.

Prerequisites: TEPP - Minimum Score: 2 AND BKCK - Minimum Score: 1

**ED 478. Special Topics.** 3 hours. This course is designed to provide the secondary licensure candidate with focused application and discussion of the skills and strategies needed to effectively teach in the content area. This course is a pre-requisite to the secondary Post-Baccalaureate Licensure (PBL) program of study. Topics will vary according to the emphasis area of the candidate: business, foreign language (Spanish), English, math, science, or social studies.

**ED 478L. Field Experience Lab.** 5 hours. Lab hours in degree programs are assigned within the syllabi of the courses in which the hours are assigned. There is no syllabus for this lab course.

**ED 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**ED 487L. Field Experience Lab.** 5 hours. Lab hours in degree programs are assigned within the syllabi of the courses in

which the hours are assigned. There is no syllabus for this lab course.

**ED 490. Senior Seminar.** 2 hours. This course is designed to provide the student with focused application and discussion of the skills and strategies needed to effectively teach in today's public school classrooms. The course is designed to run concurrently with the Student Teaching experience in the Post-Baccalaureate Licensure (PBL) program of study. Topics will include addressing special needs, linguistic and cultural diversity, differentiating instruction, and sheltering content through professional inquiry and the application of knowledge to planning and instruction.

**ED 492. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ED 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ED 500. Culture of the Valley.** 3 hours. This course surveys the various cultures of the San Luis Valley and the characteristics of schooling among various cultural groups of the San Luis Valley.

**ED 501. Perspectives/Foundations.** 3 hours. This course allows students to explore their identities as teachers and learners. The role of teamwork, leadership and relationships as a part of teacher identity will be emphasized. It provides a background in historical development of American education, social and political structures in education and family, community and cultural issues influencing teaching and learning with attention to rural environments. Issues of educational reform will include civil rights; students' rights; ethnic, gender, and racial issues; individualizing instruction; and special education. The study of the principles, purposes, and goals of education will be approached with a practical application of philosophy to classroom teaching.

**ED 502. Assess Mgt Climate & Culture I.** 3 hours. This is part one of a two-part course that supports residents in developing practical and effective approaches to various forms of student assessment, along with introducing residents to basic and theory and principles in the areas of classroom management, climate, and culture. Residents will make distinctions between formative and summative assessments and will learn various approaches to gathering student and teacher feedback to facilitate students' learning. The course will explore methods of tracking student progress in order to guide instruction through the Response to Intervention (RTI) model. Residents will foster a predictable learning environment in which positive, nurturing relationships are developed, along with a commitment to and respect for diversity.

**ED 503. Prin Lic Tools/Skills I.** 3 hours. This course is an orientation to the Principal Licensure program with assessment components, grounding in the analysis and understanding of school supervision, finance, curriculum development, new state educational standards, student testing and data collection and 21st Postsecondary Workforce Readiness Act. This course will also teach educational leadership candidates to apply and assess current technologies for school management and business procedures, as well as, develop and monitor long

range plans for school and district technology and information systems.

**ED 505. Schools and Society.** 3 hours. This course will research the role of schools in communities to include: retention of students, school safety, community involvement, diversity issues, social, political and economic status of the area that you are teaching in. In-service & pre-service and the development of related situational improvement plans as well as both staff and student data collection will be studied. The course will concentrate on fiscal management and the political arena where the decisions on management are made. Particular emphasis in this class will include equity in State funding, Colorado's new P-12 Standards, the state's conversion from CSAP to TCAP, your districts employee classification system, Joint Budget Committee, Colorado's Senate Education Committee and your districts and local county voting affiliations.

Prerequisites: ED 503 Minimum Grade: B

**ED 506. Rflctv Tch: Differentiated Ins.** 3 hours. This course is designed to explore the background of educational pedagogy through reflective teaching. Major topic areas include: research, value and utilization, student characteristics and diversity, learning theories and their application, classroom management, teaching methods and practices, evaluating student learning, and standardized measurements.

**ED 507. Assess Mgt Climate/Culture II.** 3 hours. This is part two of a two-part course that supports residents in designing and analyzing various assessments, along with developing theory and principles in the areas of classroom management, climate, and culture. Residents will recognize and utilize formative and summative assessments and will apply various approaches to gathering student and teacher feedback to facilitate students' learning. The course will explore methods of tracking student progress in order to guide instruction through the Sheltered Instruction Observation Protocol (SIOP) model. Residents will foster a democratic environment in which positive, nurturing relationships are developed, along with a commitment to and respect for diversity.

**ED 508. School Law.** 3 hours. This course will provide an opportunity for teachers and administrative candidates to enhance their knowledge of education legal issues through the study of case law. The principals of common law, the features of statutory law, and the relationships of courts to schools, plus other legal issues in education will be discussed. Current trends in legal issues will be included. Major topics include student rights, teacher rights, church and state, special education, torts, due process, and student records. Situational and comparative analysis of education as a fundamental right will be researched as well as; student educational rights; due process; chain of command; technology policy; local curriculum policy; responsibility & accountability; intergovernmental agencies; external funding strategies; code of ethical conduct; respectful interaction; codes of conduct variables and the development of related situational improvement plans.

Prerequisites: ED 503 Minimum Grade: B

**ED 509. Fiscal Management.** 3 hours. Situational and comparative analysis of generally accepted accounting practices; governmental designated grant funding; private

funding; and external funding strategies variables; and the development of related situational improvement plans.

Prerequisites: ED 505 Minimum Grade: B AND ED 508 Minimum Grade: B AND ED 515 Minimum Grade: P

**ED 510. Personnel Management.** 3 hours. This course will include researching and understanding SB 191, state teacher and administration licensing, Colorado Teaching Standards, state curriculum, due process, program validity, instructor performance documentation, in-service & professional development, student needs & accommodations and both student and staff improvement plans. Candidates will also research licensed and classified personnel policies, practices and staffing including: professional standards; strategic plan, recruitment and retention, documenting justifiable actions; written documentation of expectations; due process, buyouts; recruiting for the profession variables and the development of related situational improvement plans.

Prerequisites: ED 505 Minimum Grade: B AND ED 508 Minimum Grade: B AND ED 515 Minimum Grade: P

**ED 511. Methods of Tching Science-Elem.** 3 hours. This graduate course promotes an inquiry-based, constructivist approach for teaching science in elementary classrooms. Residents in this course will support the meaningful integration of science, technology, engineering and mathematics. The course aims to enhance the theoretical background, and pedagogical knowledge and skills in science essential for prospective teachers to be successful in their classrooms. This includes being able to address the needs of diverse populations especially culturally and linguistically diverse students.

**ED 513. Ensuring Safe Schools.** 1 hours. Situational and comparative analysis of school climate; building security; facilities management; transportation responsibilities; law enforcement relations; technology implementation variables; and the development of related situational improvement plans.

Prerequisites: ED 505 Minimum Grade: B AND ED 508 Minimum Grade: B

**ED 514. Curric/Data Coll/Schools & Soc.** 4 hours. This course addresses key areas of curriculum, instruction, data collection, Colorado's Educational Standards, Colorado's Workforce Readiness Act, personnel management, building level assessment and school safety.

**ED 515. Principal Licensure Intern I.** 1 hours. The principal licensure candidate's program will culminate with a minimum of 360 hour field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked). During this 60 hour internship candidates will demonstrate competencies in the subject areas of schools, society and school law to include: two 2-3 page reflection papers one on each topic and log 60 hours of approved internship.

Prerequisites: ED 503 Minimum Grade: B

**ED 516. Administrator 3.04 Intern I.** 2 hours. This course equips candidates with foundations of School Law and Fiscal Management. Candidates must demonstrate a mastery of education legal issues through the study of case law and current legal fiscal issues.

**ED 519. Culture and Communities.** 3 hours. This course surveys the various cultures of the Colorado region and the characteristics among various cultural groups in the state.

**ED 520. Rflctv/Tchr:ResBsdStdntChg.** 3 hours. Designed to explore the background of educational pedagogy through reflective teaching. Major topic areas include: research, value and utilization, student characteristics and diversity, learning theories and their application, classroom management, teaching methods and practices, evaluating student learning, and standardized measurements.

**ED 521. Foundations of Literacy.** 3 hours. This course work provides K-12 classroom teachers with basic knowledge of a balanced literacy and content area literacy approach to instruction. This course will build upon and expand the teacher's knowledge of learning theory, methods and materials for developing literacy, historical and current trends in literacy instruction, and also provide a research base for classroom organization and selection and management of instructional resources.

**ED 522. Diagnosis & Assmnt of Literacy.** 3 hours. This course is designed to aid K-12 teachers in developing both knowledge and proficiency in diagnostic reading techniques and also in planning and delivering instructional programs for developmental readers, struggling readers and proficient readers. The course focuses on applying research based assessment models and strategies in both elementary classrooms and secondary content area instruction.

**ED 523. Lit Strategies f/Div Learners.** 3 hours. This course is designed to assist teachers in the mainstream classroom in improving literacy learning for all students, especially those who are now least served. Course content will include the practical application of theory to literacy instruction in classrooms of the 21st century. These cultural, racial, ethnic, gender, religious, socioeconomic, and learning diversities found in real" classrooms will be explored relative to the real and perceived role that those differences have on students' literacy learning. The course will focus on developing teachers' ability to effectively meet the literacy needs of English language learners, special education students and gifted students in the mainstream classroom."

**ED 524. Lit in Content Areas.** 3 hours. This course explores the need for all teachers to share the responsibility for K-12 students' reading and writing ability by emphasizing literacy instruction in the content areas. This course will highlight methods for incorporating reading and writing across the curriculum with a focus on building background for reading, study skills, uses of technology in content instruction, questioning and discussion, vocabulary, study strategies, integrating literature across the curriculum and dealing with special literature across the curriculum and dealing with special needs students.

**ED 525. Principal Licensure Intern 2.** 1 hours. The principal licensure candidate's program will culminate with a minimum of 360 hour field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked). During this 60 hour internship candidates will demonstrate competencies in the subject areas of fiscal and personnel management to



include: two 2-3 page reflection papers one on each topic and log 60 hours of approved internship.

Prerequisites: ED 505 Minimum Grade: B AND ED 508 Minimum Grade: B AND ED 515 Minimum Grade: P

**ED 526. Readers Writers Workshop.** 1 hours. This course is designed to provide teachers with the tools and knowledge to develop a plan for implementing Readers Writers Workshop in their classroom. Teachers will learn how to plan, facilitate, manage, and assess both reading and writing workshops in the classroom. Reading and transacting with texts and writing using the process approach will be the main focus.

**ED 527. Internship in Literacy.** 6 hours. Each candidate for the endorsement in Literacy is required to complete an internship in a classroom at the appropriate level (Elementary, Secondary, or K-12) depending on the candidate's license. Practice experiences may include the following instruction settings or a combination of the following instruction settings self-contained classroom setting, reading or early literacy classes, secondary reading classes, summer school or migrant school, tutoring students in reading, curriculum development activities, assessment or diagnostic activities related to literacy, peer coaching/seminar sessions, or other activities as approved.

**ED 528. Managing Curr/Instruct/Assess.** 3 hours. This course will introduce the new Colorado K-12 Standards, TCAP, RTI and 21st Century Workforce Readiness Act. Also, this course will teach educational leadership candidates to apply to and assess current technologies for student/teacher data collection, school management and business procedures, as well as, develop and monitor long range plans for school and district technology and information systems, keeping in mind the impact of technologies on student outcomes and school operations. Also this course will assist you in understanding the goals and mission of Special Programs concerning special populations and program offerings, to learn to correctly identify populations and the legality of serving populations where you work, to teach you the value of all students and the importance of cherishing and appreciating all students and their backgrounds.

Prerequisites: ED 509 Minimum Grade: B AND ED 510 Minimum Grade: B AND ED 525 Minimum Grade: B

**ED 529. Instruct/Improve Supervision.** 3 hours. This course will give students an understanding how day to day teaching is accomplished, to include in-services, mentoring programs, understanding of new Colorado Teaching Standards, TCAP and RTI and teacher/administration expectations and accountability. With building safety emphasized, transportation, buildings and grounds, food service and all auxiliary services will be covered.

Prerequisites: ED 509 Minimum Grade: B AND ED 510 Minimum Grade: B AND ED 525 Minimum Grade: B

**ED 530. Educ Philosophy & Foundations.** 3 hours. This course offers a study of the principles, purpose, and goals of education. Philosophical perspectives on the role of education from the ancient to contemporary times will be presented. The focus is on the practical application of philosophy to classroom teaching. Units within the course include (1) Metaphysics: What should we teach? (2) Epistemology: How should we

teach? and (3) a thorough investigation of a wide-range of teaching strategies derived from the philosophical literature.

**ED 531. Building Level Assessment.** 2 hours. Building level situational and comparative analysis of assessment orientations; due process; building level records & information management; progress documentation & communication; HS/MS/EL schedule variables; and the development of related situational improvement plans.

Prerequisites: ED 509 Minimum Grade: B AND ED 510 Minimum Grade: B AND ED 513 Minimum Grade: B

**ED 533. Prin Lic Tools/Skills II.** 3 hours. This course is a continuation of the Principal Licensure program ED 503 with more depth assessments of school supervision, school safety, law, finance, strategic planning, curriculum development, state educational standards, student testing, current technologies and data collection and 21st Postsecondary Workforce Readiness Act.

Prerequisites: ED 505 Minimum Grade: B AND ED 508 Minimum Grade: B AND ED 509 Minimum Grade: B AND ED 510 Minimum Grade: B

**ED 535. Principal Licensure Intrnshp 3.** 1 hours. The principal licensure candidate's program will culminate with a minimum of 360 hour field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked). During this 60 hour internship candidates will demonstrate competencies in the subject areas of managing curriculum, instruction, assessment, supervision for improvement of instruction and building level assessment include: two 2-3 page reflection papers one on each topic and log 60 hours of approved internship.

Prerequisites: ED 533 Minimum Grade: B

**ED 536. School Law & Fiscal Management.** 4 hours. This course equips candidates with foundations of School Law and Fiscal Management. Candidates must demonstrate a mastery of education legal issues through the study of case law and current legal fiscal issues.

**ED 537. Administrator 3.04 Intern II.** 2 hours. This internship allows the candidate to document proficiencies in the subject areas of School Law and Fiscal Management.

**ED 538. Child/Adolescent Development.** 3 hours. This course is designed for students pursuing a career in teaching. While students will learn about the theories and principles of child and adolescent development and learning, they will do so considering the applications in educational settings. Development and learning are examined as part of the decision making process regarding instruction, curriculum, learning environments, student motivation, classroom management, assessment, and technology. The role of context and culture is an underlying theme.

**ED 539. Methods of Teaching Math & Sci.** 3 hours. Students will examine the theories of teaching math and science. This class provide opportunities for observing, preparing, and teaching lessons as well as for assessing learning. This will include working with students individually, in small groups, and with the whole classroom.

**ED 540. Intro to Leadership Studies.** 3 hours. An introductory course to meet Colorado standards 6.02, 6.03,

6.09. The administrator candidate will identify and critique (1) theories of leadership and their application to various school environments and educational trends, (2) various ethical frameworks and perspectives on ethics, (3) models of moral leadership, and (4) models and strategies of the change process. The student will develop an educational philosophy or platform. Colorado standards 6.02, 6.03, 6.05.

**ED 541. Standards-based Education.** 3 hours. Participants will study the concept of standards-based education as a means of educational reorganization and reform. In addition, they will be able to apply this conceptual knowledge to the design and implementation of standards-based practices in their classroom and schools.

**ED 545. Principal Licensure Internship 4.** 3 hours. The principal licensure candidate's program will culminate with a minimum of 360 hour field experience under the supervision of two building principals (one of which cannot be in the building where the candidate is currently working or has worked). During this internship candidates will demonstrate competencies in the areas of: schools, society, school law, fiscal management, personnel management, curriculum and instruction and school safety to include: three 2-3 page reflections and logging 160 hours of approved internship hours. Prerequisites: ED 535 Minimum Grade: P

**ED 546. Curriculum & Instruction.** 3 hours. This course addresses curriculum reform and improvement of instructional standards. As traditional views of education are abandoned through investigation of curricular issues, the skills of thinking and problem solving will replace discrete subject areas as the core of the curriculum, which will lead to changes in instruction and assessment. The focus for this course will be on the major areas that influence curriculum: philosophy, educational anthropology, standards, subject-matter integration, cultural pluralism cross-subject curricula, the nature of knowledge, human development, and social forces.

**ED 548. Assessment Techniques.** 3 hours. This course will provide an overview of assessment and provide specific instruction on the construction of reliable and valid instruments, including selected response and constructed response formats. Performance assessment will be examined and keyed to constructing a body of evidence necessitated by Standards-based Education.

**ED 549. Educating Diverse Learners.** 3 hours. The faculty of Graduate Teacher Education is committed to preparing candidates for the Master's degree who demonstrate the knowledge, skills, and dispositions that will enable them to effectively meet the needs of all students in the schools of the 21st century. This core course is designed for future principals, teachers, counselors, special educators, and teachers of the linguistically different.

**ED 550. Curriculum & Assessment.** 3 hours. This course provides a general foundation of knowledge skills, and principles in curriculum and assessment. Through this course, candidates will focus on the major influences on curriculum and the concomitant development of valid and reliable assessments that will allow educators to make formative and summative judgments regarding the curriculum. A major

emphasis will be on developing assessment skills and competencies that promote the learning of children and youth.

**ED 551. Supervise/Personnel & Programs.** 3 hours. This class will emphasize the relationship between teaching appraisal and the need for continuous personal professional development. Among the major topics examined in this course will be the establishment of a mentor program, a critical understanding of the clinical evaluation process, termination and non-renewal process, legal aspects of personnel and program management, management of student services programs, community involvement in program development and assessment, principles of learning, discipline and safe school policies, and an understanding of the various evaluation models found in teaching.

**ED 553. Systems Theory & Leadership.** 3 hours. In this course students will begin to understand the systems in school districts that contain interconnected parts, and complex webs of interactive loops. Systems thinking is often difficult. School systems are so complex that it is difficult for school leaders to be certain they are truly understanding and considering all of the elements of the system when making changes. Systems thinking applied to educational organizations involves a large element of sense making regarding their experiences in school districts.

**ED 555. Ed Political/Organizational Theory.** 3 hours. This course will concentrate on fiscal management and the political arena where the decisions on management are made. Particular emphasis in this class will include equity in funding, efficiency, adequacy of funding, and policy responses. Students will be made aware of the political climate/theory both in the micro and macro frameworks of the American public education systems.

**ED 556. What Writers Need.** 3 hours. This course is designed to aid K-12 teachers in developing both knowledge and proficiency in demonstrating skills necessary to implement writing instruction practices successfully for all learners including students with special needs and culturally and linguistically diverse learners. The course focuses on Common Core State Standards for Writing with an emphasis in connecting writing to reading.

**ED 557. Research Methods.** 3 hours. Research Methods is designed to provide residents in the program with background knowledge of quantitative and qualitative research methods. The course will help residents evaluate the appropriateness of each method when designing a research project. Residents will develop mini-proposals for each type of research in preparation for implementing and reporting on their own research project.

**ED 558. Action Research II with CRP.** 3 hours. Action Research I & Action Research II are designed to provide residents in the program with practical knowledge and skills to design, implement, and report on action research conducted in a classroom. In these courses, residents will act as teacher-researchers in order to explore issues that impact the achievement of culturally and linguistically diverse learners. An overarching goal is to prepare educators to systematically investigate a relevant aspect of their instructional and professional practice. These courses will allow residents to use

functional research tools that can inform their practice and address challenges in meeting student needs that can lead to better teaching & learning in the classroom.

**ED 560. Psych of Teaching & Learning.** 3 hours. A course in educational psychology that will provide a practical understanding of human development, learning, and teaching. Historical theories of cognitive and psychosocial development as well as learning theories and motivation will be viewed in light of recent findings on how the mind works. These findings will inform pedagogy as it relates to problem-solving, learning styles, differentiated instruction, learner-centered pedagogy, and assessment.

**ED 561. Literacy/Language I - Elem.** 3 hours. This is a graduate level course in reading and writing that defines the relationship among a) cognitive and linguistic development, b) emergent literacy, c) the history of reading instruction, and d) the neuro-physiology and (brain research) of language learning [i.e., speaking, reading, writing, visual representation, and listening].

**ED 563. Content Area Literacy - Sec.** 3 hours. This is a graduate level course that covers approaches and strategies for teaching secondary reading in various subject areas. Topics include textbook selection and readability, comprehension skills, study skills, and meeting needs of diverse student populations.

**ED 564. Methods of Teaching Math-Elem.** 3 hours. This graduate level course is designed to provide the candidate with methods and techniques for teaching mathematics in the elementary school along with a study of current National and Colorado State Standards for elementary school mathematics.

**ED 566. Special Populations/Programs.** 3 hours. This course consists of a combination of instructor-led activities and group presentations by students. Public school personnel directly responsible for some of the special programs will serve as resource persons. Special programs within the scope of this course include all federal and state funded programs that address the needs of special populations.

**ED 567. Methods of Teaching Math - Sec.** 3 hours. This graduate level course is designed to support the beginning secondary math teacher presuming a solid foundation of conceptual knowledge in the content area.

**ED 568. Methods/Teaching Science-Sec.** 3 hours. This graduate level course is designed to support the beginning secondary science teacher presuming a solid foundation of conceptual knowledge in the content area.

**ED 571. Education Research.** 3 hours. This course is designed to provide students with an introduction to the fundamentals of research. In this course the students will develop the knowledge and skills to critically consume research". Students will examine the foundations of qualitative and quantitative research, focusing on foundational and contemporary research that is significant for professional practice."

**ED 573. Literacy/Language II - Elem.** 3 hours. This graduate level course is the second course in the Literacy and Language Development sequence that focuses on reading and writing methodology and curricula in language development, content

area literacy, vocabulary development, study skills, and, inferential and critical comprehension skills.

**ED 574. School Principalship Intern I.** 2 hours. The administrator candidate's program will culminate with a 180-hour field experience under the supervision of a building principal. The candidate will demonstrate competencies in the four areas of leadership: strategic leadership, instructional leadership, organizational leadership, and school-community leadership. The supervised experience will encompass two semesters of fieldwork in order to open and close a school.

**ED 575. Data-Driven Decision Making.** 3 hours. This course is designed to use data collection and communication to improve instruction, student retention/growth, and introduce candidates to state and national requirement/laws reporting, timelines and student graduation rates.

Prerequisites: ED 540 Minimum Grade: C AND ED 516 Minimum Grade: C AND ED 554 Minimum Grade: C AND ED 562 Minimum Grade: C AND ED 552 Minimum Grade: C AND ED 509 Minimum Grade: C AND ED 570 Minimum Grade: C

**ED 576. School Principalship Intern II.** 2 hours. The administrators candidate's program will culminate with a 180-hour field experience under the supervision of a building principal. The candidate will demonstrate competencies in the four areas of leadership: strategic leadership, instructional leadership, organizational leadership, and school-community leadership. The supervised experience will encompass two semesters of field work in order to open and close a school.

**ED 577. Internship - Secondary.** 12 hours. The student teaching experience requires many new responsibilities. The experience provided to student teachers during this field experience is comprehensive. An Educational Field Experience Team is in place during the apprenticeship to help student teachers acquire the necessary skills in the practice of building a community of learners while teaching and learning. The community of learners includes the student teacher, the cooperating teacher, the college supervisor, the building principal, and the students. The student teacher experience requires 680 hours contact time.

Prerequisites: TEPP - Minimum Score: 1

**ED 579. Special Topics.** .5 TO 12 hours. Offered periodically to meet student special interests in the field.

**ED 580. 21st Century Education.** 3 TO 4 hours. This course analyzes current initiatives that impact schools and teaching. This may include content in workforce readiness skills, P-16 transitions, teacher accountability and legislative mandates.

**ED 581. COBoettchrTchrRsdncySUInsttute.** 3 hours. This is a graduate level orientation course for the Colorado Boettcher Teacher Residency Program. Residents will tour campus, meet with their financial aid advisor, sign their service agreement forms, and review the expectations and requirements outlined in the Residency Handbook. Reflection and collaboration are the focal points for this institute, so residents will participate in team building activities surrounding the Boettcher Guiding Principles, Seven Norms of Collaborative Work, and Culturally Relevant Pedagogy. Mentor teachers will be brought into the seminar to collaborate with the residents and plan for the residency experience.

**ED 585. Policy & Change Agents.** 3 hours. This Policy and Change Agents course will investigate the history of American education as well as the policy pitfalls that have dogged education systems and reform initiatives. This course will examine the positive and negative effects of corporate influence, reform agendas, the complexities of education legislation and funding as well as issues of access and achievement gaps. In this course educators will explore potential paths forward.

**ED 586. Ed Crtive & Entrpl Learners.** 3 hours. The Educating Creative and Entrepreneurial Learners course will examine a variety of instructional strategies to foster engagement, understanding, and inquiry. This course will focus on student-directed and differentiated experiences to increase rigor and deepen learning.

**ED 587. Instructional Coaching.** 3 hours. This course is the co-requisite for ED 586, Educating Creative and Entrepreneurial Learns, in which students refine their instructional practices focused on highly engaged, student-directed learning. In this course the teachers will receive on-site, job-embedded coaching related to their own classroom practice. For candidates that are already instructional coaches, they will receive parallel meta-coaching.

**ED 588. Adaptive Leadership.** 3 hours. School improvement today relies on teachers and leaders having a learning orientation and understanding of their role in reframing organizational structures; participating in collaborative inquiry and distributed leadership; employing technical and adaptive strategies, and embracing collective responsibility for the culture of the schools as well as the performance of students. This course draws on the literature of both business and education to explore the concepts crucial to educational leadership that maximizes the growth of teachers and students.

**ED 590. PLCs: Collab & Coll Resp.** 3 hours. Creating Collaborative Cultures and Collective Responsibility through Professional Learning Communities will change educators to alter long-held assumptions, beliefs, expectations, and habits. Residents will examine the influences of beliefs and norms on classroom and school cultures. Additionally, residents will explore how Professional Learning Communities can dramatically improve school performance, student engagement, and the self-efficacy of educators.

**ED 591. Capstone Project.** 3 hours. In this course students develop skills in evaluating published research, writing a critical analysis, producing a literature review, and formulating a research problem. The final product for this course is the completed capstone project.

**ED 592. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ED 593. Ed Crtive & Entrpl Teachers.** 3 hours. The Educating Creative and Entrepreneurial Teachers course will examine how relationships, learning environments, reciprocal growth, and communication skills contribute to educator effectiveness. Teachers will investigate approaches to create trusting and supportive relationships and to foster collaborative and self-directed learning environments. Throughout this course, teachers will plan reflect, and problem-solve to

generate reciprocal growth and learning for themselves and colleagues.

**ED 594. Mentoring and Coaching.** 3 hours. This course is the co-requisite for ED593, Educating Creative and Entrepreneurial Teachers, in which students refine their understanding of instructional leadership and coaching. In this course, the teachers will receive on-site, job-embedded coaching related to peer observations, instructional coaching, and constructive feedback.

**ED 598. Capstone Rsrch Project Seminar.** 3 hours. This seminar provides for the completion of the Capstone Research Project and requires the candidate carry out and report on an Action Research study.

Prerequisites: ED 549 Minimum Grade: B AND ED 550 Minimum Grade: B AND ED 571 Minimum Grade: B OR (ED 549 Minimum Grade: B AND ED 550 Minimum Grade: B AND ED 571 Minimum Grade: B)

**ED 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ED 614. School District Management.** 4 hours. This course introduces superintendent candidates to district wide leadership, management, and accountability in curriculum development and approval, instruction, data collection, Colorado Academic Standards, SB 191, Colorado's Workforce Readiness Act, district personnel management, system-wide strategic planning, building(s) level assessment, district wide technology systems, school view and school safety.

**ED 615. Superintendent Internship I.** 2 hours. This 150 hour internship, introduces superintendent candidates to district wide leadership, management, and accountability in curriculum development and approval, instruction, data collection, Colorado Academic Standards, SB 191, Colorado's Workforce Readiness Act, district personnel management, system-wide strategic planning, building(s) level assessment, district wide technology systems, school view and school safety.

**ED 624. School Law/Fiscal Management.** 4 hours. This course introduces superintendent candidates to district wide leadership in School Law and Fiscal Management. Candidates will have a command of education legal issues through the study of case law, employee and student rights, educational organization, educational technology policy, district responsibility and accountability, networking with inter-governmental agencies, strategies for procurement of external funding, and code of ethical issues related to managing a school district. Candidates will demonstrate a comprehensive, working knowledge of generally accepted accounting practices applied to the school district budget, governmentally designated grant funding, private funding, and external funding strategy variables, in addition to the development of related situational improvement plans in order to become a successful superintendent candidate.

**ED 625. Superintendent Internship II.** 2 hours. This 150 hour internship introduces superintendent candidates to district wide leadership, of School Law and Fiscal Management by providing candidates with a command of education legal issues through the study of case law, current trends in rights, and due

process as; student educational rights; due process; chain of command; technology policy; policy; responsibility & accountability; intergovernmental agencies; external funding strategies; code of ethical conduct; Candidates will gain a comprehensive, working knowledge of generally accepted accounting practices; governmental designated grant funding; private funding; and external funding strategies variables; and the development of related situational improvement plans become a successful Superintendent.

**EDRD 579. Special Topics.** .5 TO 3 hours. Offered periodically to meet student special interest in the field.

**EDRD 592. Workshop.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**EDRD 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**EMM 102. Principles of Emergency Mgmt.** 3 hours. This course presents the theories, principles, and approaches to emergency management. The philosophy of Comprehensive Emergency Management will be discussed with the four attendant steps which include mitigation, preparedness, response, and recovery. An analysis of past disasters will be presented along with their impacts on policy formation leading up to the current FEMA all-hazards approach. The role, duties, and importance of the Emergency Manager will be discussed throughout the semester. Finally, legal issues involving emergency management will be presented.

**EMM 106. Emergency Plan/Exercise Design.** 3 hours. This course examines concepts of principles of community risk assessment, regional and cooperative procedures and plans, relationship of structural, pre- and post-occurrence factors, communications, planning, organizing, coordination, command, and logistics related to disaster planning. Examines practical execution of planning through exercise processes and drills, especially as prescribed by FEMA guidelines.

**EMM 210. Field Study in Emergency Mgmt.** 3 hours. This course provides guidance as the student develops a disaster mitigation plan, a disaster response plan, and a training exercise using FEMA principles under the supervision of an experienced emergency manager.

**ENG 060. College Prep Writing I.** 4 hours. Focuses on sentence and paragraph structure and development and introduces formal writing concepts. Enables the student to review and improve grammar skills while employing critical thinking strategies and the writing process to respond to a wide variety of writing situations. At the completion of the course, the student's writing will be re-evaluated in the form of the English Placement Exam (EPE) to determine if he or is ready for a college level writing course (ENG 101).

Prerequisites: ACWR - Minimum Score: 025

**ENG 079. Special Topics.** 4 hours. Offered periodically to meet student special interests in the field.

**ENG 090. College Prep Writing II.** 4 hours. Emphasizes critical thinking as students explore writing for specific purposes and audiences. Enables the student to develop skills

required for college-level writing while reviewing sentence and paragraph structure and focusing on essay development.

Prerequisites: (ACWR - Minimum Score: 070 OR ENG 060 Minimum Grade: S) OR (ACWR - Minimum Score: 070 OR ENG 060 Minimum Grade: T)

**ENG 092. College Compstn & Reading.** 3 hours. Students in this course will learn new and purposeful ways to engage with reading, writing, and thinking. Through this engagement, students will create an academic identity, which will enable them to persist through college until they complete their degree or certificate program. The course work will first focus on understanding concepts and relationships and then move to a stronger focus on evaluating and critiquing ideas and arguments. This course is specifically designed to prepare students for the reading and writing tasks they will face in 100-level content courses.

**ENG 096. College Prep Read & Writing.** 3 hours. English 096 emphasizes critical thinking as students explore reading and writing for different academic disciplines. The course is designed to enable students who do not place into ENG 101, to build skills required for college-level reading and writing while developing writing skills which include sentence, paragraph, and essay structures. Students also focus on writing as a process of invention, exploration, organization, and development of ideas.

**ENG 101. Communication Arts I GT-C01.** 3 hours. A course designed to provide students with the reading, writing, and critical thinking skills necessary to produce effective college-level expository writing. Students are placed in this course according to current state placement policy.

Prerequisites: (A01 - Minimum Score: 19 OR ACWR - Minimum Score: 095 OR ENG 090 Minimum Grade: S OR ENG 096 Minimum Grade: S OR ENG 090 Minimum Grade: T OR ENG 096 Minimum Grade: T) OR (A03 - Minimum Score: 18 OR ACRD - Minimum Score: 080 OR READ 090 Minimum Grade: S OR READ 090 Minimum Grade: T) OR S01 - Minimum Score: 440 OR EPE - Minimum Score: 1 OR MEE - Minimum Score: 1

**ENG 102. Communication Arts II GT-C02.** 3 hours. The emphasis in this course is upon source-based writing designed to develop skills in critical reading, thinking, and writing. A series of written assignments, including a fully documented paper and oral presentation, are required.

Prerequisites: ENG 101 Minimum Grade: D OR ENG 101 Minimum Grade: T OR A01 - Minimum Score: 29 OR S01 - Minimum Score: 660 OR ENG 101 Minimum Grade: D

**ENG 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ENG 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ENG 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ENG 200. College Writing Review.** 1 TO 3 hours. Designed for referred students at the sophomore or junior level, the course emphasizes composition and writing in the disciplines. Students will polish their writing skills and develop portfolios.

Prerequisites: (ENG 101 Minimum Grade: C- AND ENG 102 Minimum Grade: C-) OR (ENG 101 Minimum Grade: T AND ENG 102 Minimum Grade: T)

**ENG 203. Major Themes in Lit GT-AH2.** 3 TO 6 hours. This course is designed to expose students to a variety of literature and to develop critical thinking, reading, and writing skills. Eng 203 is a prerequisite to all higher numbered English courses. Prerequisites: ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T OR ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T

**ENG 210. The Study of Literature.** 3 hours. This course covers fundamental literary terms and concepts. Focus on close analyses of texts: tone, symbolism, figurative language, speaker, diction, and syntax. Introduction to literary theories. Mechanics of incorporating primary and secondary sources using MLA style. Development of analytical reading and writing skills. PREREQUISITES TO ALL HIGHER NUMBERED LITERATURE COURSES.

Prerequisites: ENG 102 Minimum Grade: C- OR ENG 102 Minimum Grade: T OR ENG 102 Minimum Grade: C-

**ENG 214. Oral Interpret and Performance.** 3 hours. Helps develop effectiveness in personal expression and abilities in the oral performance of one's own original works of fiction, nonfiction, and poetry.

**ENG 225. Honors English.** 3 hours. For selected students with a high degree of self-motivation.

**ENG 226. Basic English Grammar.** 3 hours. A study of the concepts and terminology of the grammar of standard written English including an analysis of the parts of speech and their functions in sentences.

Prerequisites: ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T OR ENG 101 Minimum Grade: C-

**ENG 227. Intro to Creative Writing.** 3 hours. Students write and read poetry, fiction, creative nonfiction, and drama, develop aesthetic standards, and evaluate their writing and that of their classmates. Course emphasizes the writing process, including strategies for invention and revision, and presents ideas for teaching creative writing.

Prerequisites: ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T OR ENG 101 Minimum Grade: C-

**ENG 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**ENG 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ENG 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ENG 300. Interrelations of the Arts.** 3 hours. An examination of the ways in which the fine arts are interrelated, with particular attention given to the differing treatments of important literary, musical, and artistic themes. Same as PHIL 300.

**ENG 302. Creative Comm in Classroom.** 3 hours. This course is designed to develop proficiency in oral communications for prospective teachers. Through instructor and student led discussions, small group work, in-class exercises and creative activities, the class will explore the role

of communication in the classroom as well as everyday life. There will be a strong focus on the creative uses and development of oral communication skills for both teachers and students.

Prerequisites: ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T

**ENG 304. Lit Traditions for Teachers.** 3 hours. This course explores literary tradition and will provide students with the tools necessary to integrate literature in the total instructional program. The course will be divided into sections focused on the genres of fiction, poetry, and drama.

Prerequisites: ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T

**ENG 306. English Grammar for Teachers.** 3 hours. Fundamentals of English grammar and a brief, non-technical history of the language, geared toward future educators in the Rural Educational Access Program (REAP) and similar distance programs. Students will review basic grammatical elements.

Prerequisites: ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T

**ENG 309. Eng Lit I:Beowulf-Trans Write.** 3 hours. Historical survey of English literature. Prerequisites: ENG 210 minimum grade C- or T

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 310. English Lit: Romance to Modern.** 3 hours. Continuing historical survey of English literature. Prerequisites: ENG 210 minimum grade C- or T

Prerequisites: (ENG 210 Minimum Grade: T OR ENG 210 Minimum Grade: C- OR ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: T OR ENG 203 Minimum Grade: C- OR ENG 203 Minimum Grade: C-)

**ENG 311. World Literature I.** 3 hours. Selected masterpieces of world literature from ancient times to 1700. Includes some works from outside the Western tradition.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 312. World Literature II.** 3 hours. Selected masterpieces of world literature from 1700 to the present. Includes some works from outside the Western tradition.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 314. Adolescent Literature.** 3 hours. A course designed to acquaint prospective teachers of English with representative literature of adolescence.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 315. Children's Literature.** 3 hours. Survey of literature for children (ages 0-14) from ancient times to the present. Evaluation and use of books and other resources in the home, in public libraries, and in school media centers.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 316. Methods/English in Sec School.** 3 hours. A study of effective teaching methods used in presenting grammar, composition, and literature to junior and senior school students. Usually taken as part of the Education licensure senior block. Students should have a strong preparation in upper-division English content courses. Admission to the Teacher Education Program is required. This course must be taken along with other courses designated in the senior block. Students wishing to take the course who do not meet the above requirements must obtain instructor permission.

Prerequisites: (ED 200 Minimum Grade: C AND ED 200 Minimum Grade: C AND ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: C- AND ENG 226 Minimum Grade: C- AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1) OR (ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T AND ENG 210 Minimum Grade: T OR ENG 203 Minimum Grade: T AND ENG 226 Minimum Grade: T AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1)

**ENG 320. Literature & Sexualities.** 3 hours. An examination of a variety of sexual identities and expressions as portrayed in literature.

**ENG 326. CW Poetry Workshop I.** 3 hours. This course will teach students to develop their craft and creativity in the genre of poetry. Students submit original poems weekly, read selected works of contemporary, published poetry, and critique their own work and that of their classmates. Students practice revision and submit revised work in a final portfolio of at least 10 pages.

Prerequisites: (ENG 227 Minimum Grade: C- OR ENG 227 Minimum Grade: T) AND (ENG 210 Minimum Grade: C- OR ENG 210 Minimum Grade: T OR ENG 203 Minimum Grade: C- OR ENG 203 Minimum Grade: T) OR (ENG 227 Minimum Grade: C- AND ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: C-)

**ENG 327. Fiction Workshop I.** 3 hours. This course will teach students to develop creativity in the genre of prose fiction (short story). Students will submit their original writing, read works of published fiction, and critique their own work and the work of their classmates.

Prerequisites: ENG 227 Minimum Grade: C- OR ENG 227 Minimum Grade: T

**ENG 328. Nonfiction Workshop I.** 3 hours. This course covers techniques in nonfiction writing encompassing a variety of styles, forms, and topics, encouraging exploration of the genre's innumerable possibilities while developing the student's personal and critical theories of writing.

Prerequisites: (ENG 102 Minimum Grade: C- AND ENG 227 Minimum Grade: C-) OR (ENG 102 Minimum Grade: T AND ENG 227 Minimum Grade: T) OR (ENG 102 Minimum Grade: C- AND ENG 227 Minimum Grade: C-)

**ENG 329. Women and Drama.** 3 hours. A survey of the history and literature associated with women in theatre. The course will include the history of actual women involved in the evolution of western and eastern theatre traditions as well as playscripts which deal with the subject of women's issues.

There will be a strong emphasis on the incorporation of contemporary dramatic theory, especially feminist theory, to analyze dramatic texts. The course will cover Greek through Contemporary Drama.

Prerequisites: (ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: C-) OR (ENG 210 Minimum Grade: T OR ENG 203 Minimum Grade: T)

**ENG 350. 20-21st C Brit/Anglophone Lit.** 3 hours. An examination of British and Anglophone writers and the movements they are associated with, including traditionalists, modernists, post-modernists and post-colonialists. Course content investigates the global and multicultural nature of recent and current Anglophone literature.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 355. The Novel.** 3 hours. Selected novels written between the 18th century and the present.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 356. The Russian Novel.** 3 hours. A study of major Russian novels.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 357. Introduction to Linguistics.** 3 hours. This course provides a comprehensive introduction to phonetics and phonology, morphology, syntax, and semantics. Additional topics may include historical linguistics, first and second language acquisition, psycholinguistics and sociolinguistics. Fieldwork and ethnographic projects comprise a significant portion of the coursework. Also included is a brief history of the English language and review of the varieties of American and other Englishes.

Prerequisites: ENG 226 Minimum Grade: C- OR ENG 226 Minimum Grade: T

**ENG 358. Bible as Literature.** 3 hours. This course analyzes the Bible as literature, examines the use of biblical motifs, imagery, and themes in post-biblical texts, and explores the First Amendment challenges confronting those who plan to teach Bible-as-literature courses in the public schools.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 359. Mythology.** 3 hours. This course will analyze the sources and uses of classical mythology in Western imaginative literature and artistic expression, explore the variety of mythology texts and authors, and examine the tradition of critical commentary on the role of authors, and examine the tradition of critical commentary on mythology in the making of culture.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 363. Advanced Composition.** 3 hours. Advanced techniques of effective writing for a variety of purposes. Includes a unit on writing for the World Wide Web. Prerequisites: ENG 102 Minimum Grade: C OR ENG 102 Minimum Grade: T OR ENG 102 Minimum Grade: C

**ENG 365. Ethnic & Minority Literature.** 3 hours. A study of the literature of Native American, African-American, Chicano, and other American ethnic and minority groups. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: C-)

**ENG 375. Chicano Literature.** 3 hours. This course explores the canon of Chicana/o Literature and its multiple influences. Specifically, the course deals with the cultural, political and societal climates that necessitated the literature. The course will focus on oral tradition and its evolution into other genres of Chicana/o Literature (poetry, fiction, & essay). Chicana/o Literature (poetry, fiction, & essay). Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field. Prerequisites:

**ENG 385. Women and Literature.** 3 hours. A survey of literature written by women beginning with Sappho and focusing on the western tradition. An introduction to feminist literary criticism. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents. Prerequisites:

**ENG 394. American Literature I.** 3 hours. Pre-Columbian to 1865 survey of American Literature from its native and colonial beginnings through the mid-nineteenth century. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 395. American Literature II.** 3 hours. Survey of American literature from 1865 to the present. Thematic emphases include the development of American, Native American, and feminist literary traditions; industrialization, urbanization, and the closing of the frontier, realism, naturalism, and modernism; the Lost Generation; and the '60s and postmodernism. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: (ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: T OR ENG 203 Minimum Grade: T)

**ENG 403. Shakespeare.** 3 hours. Combines study of comedies, histories, and tragedies. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 407. Chaucer.** 3 hours. Concentrates mainly on the Canterbury Tales, but covers other major works as time permits. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 203 Minimum Grade: T)

**ENG 409. Renaissance Literature.** 3 hours. Survey of Renaissance literature, with emphasis on Milton. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 416. The Teaching of Writing.** 3 hours. A study of theories about writing through reading, research, reflection, writing and practice. Students will practice the teaching of writing and develop instructional strategies and philosophies for all levels including college.

**ENG 425. English Syntax.** 3 hours. A descriptive study of English syntax in the framework of generative-transformational grammar, with emphasis on theoretical approaches developed in the 1980's and later. Prerequisites: ENG 357 Minimum Grade: C- OR ENG 357 Minimum Grade: T

**ENG 426. Poetry Workshop II.** 3 hours. This course will teach students to further develop their craft and creativity in the genre of poetry. Students will submit original poems weekly, read selected works of contemporary published poetry, and critique their own work and the work of their classmates. They will practice revision and submit revised work in a portfolio of at least 15 pages. Prerequisites: ENG 326 Minimum Grade: C- OR ENG 326 Minimum Grade: T

**ENG 427. Fiction Workshop II.** 3 hours. This course will teach students to further develop their craft and creativity in the genre of prose fiction (short story). Students will submit their original writing, read works of published fiction, and critique their own work and the work of their classmates. Prerequisites: (ENG 227 Minimum Grade: C- AND ENG 327 Minimum Grade: C-) OR (ENG 227 Minimum Grade: T AND ENG 327 Minimum Grade: T)

**ENG 428. Nonfiction Workshop II.** 3 hours. This course covers advanced techniques in nonfiction writing begun in ENG 328 as the student assembles a portfolio of work suitable for application to graduate programs. Prerequisites: (ENG 227 Minimum Grade: C- AND ENG 328 Minimum Grade: C-) OR (ENG 227 Minimum Grade: T AND ENG 328 Minimum Grade: T)

**ENG 443. 20th Century American Novel.** 3 hours. Selected American Novelists 1900 to present. Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR



ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 450. Romantic and Victorian Lit.** 3 hours. Selected works of major English writers of the Romantic and Victorian periods.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 458. Reading Poetry.** 3 hours. A study of poetry from ancient to contemporary with an emphasis on form and technique.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 460. Reading Short Prose.** 3 hours. A study of fiction and nonfiction short prose forms with an emphasis on authors writing in the English and American traditions, but including works in translation, and with special attention to form and technique.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 465. Modern Drama.** 3 hours. Study of representative modern European and American plays.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 470. Classical Drama.** 3 hours. A chronological study of the major periods of dramatic literature, from the emergence of Greek Tragedy in the 5th century B.C. to the development of European Realism in the 19th century. The focus of the course will be placed equally upon script analysis and dramaturgy.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 472. Contemporary Drama.** 3 hours. This course will require students to analyze and discuss contemporary dramas of two types: those which do not necessarily fit the typical genres, structures, and styles of modernist drama (e.g., commercial drama, television drama, commercial film script), and those which focus on the concerns of marginalized groups in America (i.e., gay and lesbian, African-American, Asian-American, Native-Americans, Latinos, etc.)

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 475. Problems in American Studies.** 3 hours.

Emphasizes specific topics in American studies, including readings in the literature and an investigation of current problems, including the American character, popular culture and ethnic and women's studies.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ENG 480. Contemporary Literary Theory.** 3 hours. Study of the developments of literary critical theory and practice from the beginning of the 20th century to the present. Some emphasis on important earlier theories as they relate to contemporary developments.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 490. Major Authors.** 3 hours. Study of major figures in fiction, dramatic literature, and poetry. Author (s) will be selected by instructor.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T) OR (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-)

**ENG 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents. Prerequisites:

**ENG 495. Senior Seminar.** 3 hours. This course is designed to be the academic capstone experience for all students who are majoring in English/Liberal Arts and to prepare students for graduate studies in the field. Subject matter will vary depending upon the instructor's specialization or area of interest. All seminar students will write a major research essay that reflects the student's mastery of library usage, research methodology, breadth of knowledge, critical thinking, and writing ability.

Prerequisites: (ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: C-) OR (ENG 203 Minimum Grade: T OR ENG 210 Minimum Grade: T)

**ENG 497. Capstone Writing Workshop.** 3 hours. This course is designed as a capstone for all Creative Writing majors. The content of the course will focus on organization, editing, and honing of a final writing project.

Prerequisites: (ENG 210 Minimum Grade: C- OR ENG 203 Minimum Grade: C- OR ENG 210 Minimum Grade: T OR ENG 203 Minimum Grade: T) AND (ENG 214 Minimum Grade: C- OR THTR 213 Minimum Grade: C-) OR (ENG 214 Minimum Grade: T OR THTR 213 Minimum Grade: T) AND (ENG 227 Minimum Grade: C- OR ENG 227 Minimum Grade: T) AND (ENG 326 Minimum Grade: C- OR ENG 326 Minimum Grade: T) AND (ENG 327 Minimum Grade: C- OR ENG 327 Minimum Grade: T) AND (ENG 328 Minimum Grade: C- OR ENG 328 Minimum Grade: T)

**ENG 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ENG 510. Study Lit & Literary Theory.** 3 hours. The course will focus on the most recent and relevant critical frameworks, and such lenses will be used to analyze works of literature from the classical period to today. Recent works of fiction, poetry, drama, and creative nonfiction will provide core readings, including works that would appeal to adolescent audiences. Some texts may be read in translation. Close reading skills will be applied. While this course focuses

primarily on English content, issues related to the teaching of literary studies and analysis will be covered.

**ENG 511. Study of Rhetoric & Composition.** 3 hours.

Advanced study of composition and rhetorical theory, its history, and practice of teaching writing, with special emphasis on teaching composition to diverse students at various levels (e.g., middle school, high school and college freshman).

**ENG 512. Cont Lit in American Pub Sch.** 3 hours. This course investigates the politics at work in banning and challenging literature in the American public school system and offers middle and high school English teachers that skills necessary to teach and defend the pedagogical value of contentious literature."

**ENG 515. Tchng Eng Secondary Classroom.** 3 hours. This course is designed to provide a conceptual framework for aligning curriculum to State and Common Core Standards. Students will explore an array of methods for appropriately assessing the degree of student understanding, knowledge, and skill while meeting the demands of state and national standards. The course will include practical analysis and application of data to drive curriculum and meaningful assessment.

**ENG 516. Methods/Teaching English-Sec.** 3 hours. This graduate level course is a study of effective teaching methods used in presenting grammar, composition, and literature to junior and senior school students.

**ENG 517. Understanding Language.** 3 hours. This course explores the nature of language primarily through an exploration of English structures. Those structures include sound patterns (phonetics and phonology); word classes (lexicon); word parts (morphology); and sentence patterns (syntax). Other topics include bilingualism (and issues pertaining to bilingual education); the varieties of English nationally and internationally; a social history of English and the expansion of English; first and second language development; methodologies of teaching ESL; and language death.

**ENG 563. Theory & Perf of Dramatic Lang.** 3 hours. This course examines both historical and contemporary dramatic and performance theories with a focus on the application to the creative study of plays in the classroom.

**ENG 565. Issues in Vid Prod/Soc Media.** 3 hours. The ability to use video equipment, including video software, and social media successfully is increasingly a vital skill in today's society. To that end, in this course students will learn how to use social media and video production equipment/software, how to instruct others in their uses, and the major issues facing students regarding social media and video on the Internet.

**ENG 567. Media Literacy.** 3 hours. With the proliferation of media in our society, it is important that informed citizens of all ages understand the socialization role of media in US society. To that end, this course prepares students for discussions about the media, understanding its ideological, cultural, socio-political role and influence, with the goal of having these discussions beyond the classroom so that students and those they encounter can make conscious, informed decisions about the messages in the media.

**ENG 570. Advanced Readings.** 3 hours. This individualized course allows the student, working one-to-one with a professor, to pursue readings and advanced, in-depth study into a particular author's work, a genre, or a literary period, or to pursue advanced, in-depth study into an area of composition or an area of theatre production or performances. This course may be repeated to allow the student to pursue study in another area.

**ENG 574. Special Topics Varied Lit.** 3 hours. This course will vary annually in the spring semester. Each 3-credit offering will explore a new area of literature or composition.

**ENG 579. Special Topics.** .5 TO 3 hours. Offered periodically to meet students' special interests in the field.

**ENG 592. Workshop.** .5 TO 6 hours. Short course offered on an intermittent basis to meet the needs of special constituents.

**ENG 595. Thesis.** 3 hours. This course is the culminating experience for the MA program in which students demonstrate mastery of the discipline by producing an acceptable Master's Thesis.

**ENG 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ENV 101. Intro to Environmntl Sci GT-SC1.** 4 hours. An introductory level study of ecosystems, evolution population growth dynamics and problems, atmospheric and geologic processes, nonrenewable resource use, soil and land use, nutrient cycling, energy use, pollution and conservation strategies.

Prerequisites: MATH 099 Minimum Grade: S OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR A02 - Minimum Score: 19 OR S02 - Minimum Score: 440 OR ACMA - Minimum Score: 085 OR MAPT - Minimum Score: 23 OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 120 Minimum Grade: T

**FR 103. Elementary French I.** 4 hours. Covers the principles of pronunciation and essentials of grammar in addition to practice in conversation, composition, and reading.

**FR 104. Elementary French II.** 4 hours. Covers the principles of pronunciation and essentials of grammar in addition to practice in conversation, composition, and reading.

**FR 135. Begin Conversational French.** 2 hours. Practice in speaking French. Discussion based on cultural topics.

**FR 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**FR 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**FR 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**FR 203. Intermediate French.** 3 hours. A review of grammar, practice in composition, speaking and understanding French, intensive work in reading, and some discussion of the literature read.

Prerequisites: (FR 103 Minimum Grade: D AND FR 104 Minimum Grade: D) OR (FR 103 Minimum Grade: T AND FR 104 Minimum Grade: T)

**FR 204. Intermediate French.** 3 hours. A review of grammar, practice in composition, speaking and understanding French, intensive work in reading, and some discussion of the literature read.

Prerequisites: (FR 103 Minimum Grade: D AND FR 104 Minimum Grade: D) OR (FR 103 Minimum Grade: T AND FR 104 Minimum Grade: T)

**FR 235. Continuing Conv. French.** 2 hours. Practice in speaking French. Discussion based on cultural topics.

Prerequisites: FR 135 Minimum Grade: D OR FR 135 Minimum Grade: T

**FR 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**FR 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**FR 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**FR 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**FR 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**FR 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest the field. By faculty permission and approval of the department chair.

**FR 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in field.

**FR 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**FR 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**FR 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**FR 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**FR 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**GEOG 101. Intro/Physical Geog (GT-SC1).** 4 hours. An introduction to the relationships among the four spheres of Physical Geography (i.e., atmosphere, biosphere, hydrosphere, and lithosphere.) This course emphasizes the understanding of Earth processes from a geographical perspective. A major focus is the relationship between humans and the environment, including global climate and environmental change. The course provides an introduction to the fields of climatology, biogeography, soils, and geomorphology.

**GEOG 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GEOG 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair

**GEOG 201. Intro to Cartography and GIS.** 3 hours. This course will introduce students to the core concepts of Geographic Information Systems (GIS) and the importance and relevance of GIS in today's world. Students will learn what GIS is, what it is used for, and how to perform basic and core tasks involving GIS analysis. An objective is to help students develop the ability to think critically about cartographic processes and representations as well as develop their skills in creating maps.

Prerequisites: TPP - Minimum Score: 1 OR CSCI 100 Minimum Grade: C- OR BUS 120 Minimum Grade: C- OR CSCI 100 Minimum Grade: T OR BUS 120 Minimum Grade: T OR BUS 120 Minimum Grade: C- OR CSCI 100 Minimum Grade: C-

**GEOG 212. Nat Res Mgt on Public Lands.** 3 hours. Reviews public lands management from both a theoretical and descriptive perspective. The major political forces affecting public lands, and the specific details of energy policy, forests, rangelands, national parks, and wildlife on public lands are discussed.

Prerequisites: GEOG 101 Minimum Grade: C- OR BIOL 330 Minimum Grade: C- OR GEOG 101 Minimum Grade: T OR BIOL 330 Minimum Grade: T

**GEOG 215. Cultural Geography of Lat Am.** 3 hours. An introduction to the study of contemporary Latin America. Particular attention will be given to the region's cultural and sociological characteristics and to the quest for economic development.

**GEOG 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GEOG 299. Individual Studies.** 0 TO 3 hours. Provides opportunity for individual research/study of special interests in the field. By faculty permission and approval of the department chair.

**GEOG 300. World Geography.** 3 hours. A study of historical, political, economic, and demographic aspects of world geography emphasizing the role of geography in the developmental nations. This course will fulfill the Colorado Department of Teacher Education requirement in geography for social studies licensure.

**GEOG 307. Biogeography.** 3 hours. This class is required in the B.A. Earth Sciences (Physical Geography) degree. The course builds upon topics introduced in the introductory physical geography courses and synthesizes concepts addressed in other upper-division courses dealing with vegetation science, climatology, soil, historical geology, ecology, and evolution to explain patterns and processes influencing past and present distributions of organisms. Prerequisites: GEOG 101 Minimum Grade: C- OR GEOG 101 Minimum Grade: T

**GEOG 311. Climatology.** 4 hours. This course examines the global patterns of climate and the process that shape them. Particular attention is given to climate change mechanisms (past & present), human-induced changes to the climate

system, and likely future changes. Field and computer based methodology relevant to the field of climatology is also emphasized.

Prerequisites: GEOG 101 Minimum Grade: C- OR GEOG 101 Minimum Grade: T

**GEOG 330. Nature and Properties of Soils.** 4 hours.

Analyzes soil as natural bodies and managed resources, focusing on impacts of landforms, hydrology, nutrients, and organisms on soils. The laboratory includes analysis of soil patterns, methods of sampling, and techniques of determining physical and chemical properties of soils. Course includes three hours of lecture and two hours of laboratory per week.

Prerequisites: (CHEM 111 Minimum Grade: C- OR CHEM 111 Minimum Grade: T OR CHEM 131 Minimum Grade: C- OR CHEM 131 Minimum Grade: T) AND (GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T) AND (GEOG 101 Minimum Grade: C- OR GEOG 101 Minimum Grade: T)

**GEOG 379. Special Topics.** 1 TO 6 hours. Offered

periodically to meet student special interests in the field.

**GEOG 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair

**GEOG 411. Mountain Geography.** 3 hours. This class focuses on the physical science of mountains, including the origin of mountains as well as the climatic, geomorphic, and ecological processes and patterns found in mountain environments. The impact of mountains on human settlement and activities are discussed, as well as how humans have impacted mountain environments. Students must take a minimum of 6 credits of 300 or 400 level GEOG or GEOL with a grade of C- or better is also required.

Prerequisites: (GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T) AND (GEOG 101 Minimum Grade: C- OR GEOG 101 Minimum Grade: T)

**GEOG 420. Remote Sensing.** 4 hours. The course considers acquisition and interpretation remote sensed environmental data, theory and sensors, and manual computerized interpretation methods.

Prerequisites: (GEOG 101 Minimum Grade: C- OR GEOG 111 Minimum Grade: C- AND GEOG 201 Minimum Grade: C-) OR (GEOG 101 Minimum Grade: T OR GEOG 111 Minimum Grade: T AND GEOG 201 Minimum Grade: T)

**GEOG 421. Glacial and Periglacial Geog.** 3 hours. This course will examine geomorphological aspects of the cryosphere, giving emphasis to the study of landforms and sediments created by ice sheets and periglacial processes both past and present. Where relevant, the applied aspects of glacial and periglacial geomorphology will be given specific attention. Students must take a minimum of 6 credits of 300 or 400 level GEOG or GEOL with a grade of C- or better.

Prerequisites: (GEOL 311 Minimum Grade: C- AND GEOG 101 Minimum Grade: C-) OR (GEOL 311 Minimum Grade: T AND GEOG 101 Minimum Grade: T)

**GEOG 440. Senior Capstone in Geography.** 2 hours.

Capstone experiences integrate material learned in the major through independent research and creative thinking by students. The capstone experience may include a primary

research experience (such as field project or internship) or a substantive exploration of a geographic topic. Emphasis is also placed on effective writing and oral presentation skills.

Departmental approval required for a capstone project.

Minimum 10 credit hours 300/400-level GEOG coursework minimum grade C- or T.

**GEOG 460. Geog of World Regions Seminar.** 1 hours. This seminar course is a prerequisite for the corresponding summer field trip course exploring regions of the world. A different region is highlighted every other spring semester. Focus is placed on understanding the structural geology, tectonic landscape, surficial processes, and human- environment interactions of the region. Students will study and discuss geological and geographic processes specific to the region. Examples of world regions include the Northern Alps, Iceland, Great Britain, Newfoundland, and Japan. Completion of at least one upper division GEOG course with a grade of C or better.

**GEOG 462. Geog of World Regions.** 3 hours. This field course, offered during winter, spring, or summer break, explores regions of the world through a geographic and geological perspective. A different region is studied every other summer. Focus is placed on understanding the structural geology, tectonic landscape, surficial processes, and human- environment interactions of the region. Students will gain an intimate knowledge of world regions, landscapes and cultures. Examples of world regions include the Northern Alps, Iceland, Great Britain and Newfoundland, and Japan.

Prerequisites: GEOG 460 Minimum Grade: C- OR GEOG 460 Minimum Grade: T

**GEOG 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GEOG 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair

**GEOL 111. Physical Geology - GT-SC1.** 4 hours. An introduction to the materials of the earth and the internal and surficial processes that have acted upon the earth through time. Course includes three hours of lecture and two hours laboratory per week. Laboratory work includes identification and classification of minerals and rocks and exercises involving topographic and geological maps. Students required to enroll in developmental courses (i.e., ID 095, ID 096, MATH 095, or MATH 097) or having a math ACT score of less than 19 may not enroll in Physical Geology.

Prerequisites: (A02 - Minimum Score: 19 OR S02 - Minimum Score: 470 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: T) AND (S01 - Minimum Score: 431 OR EPE - Minimum Score: 1 OR (ENG 101 Minimum Grade: C- OR ENG 101 Minimum Grade: T) OR ((A03 - Minimum Score: 18 OR ACRD - Minimum Score: 080 OR READ 090 Minimum Grade: S OR READ 090 Minimum

Grade: T) AND (A01 - Minimum Score: 19 OR ACWR - Minimum Score: 095 OR ENG 090 Minimum Grade: S OR ENG 090 Minimum Grade: T) ) )

**GEOL 112. Earth History.** 4 hours. Introduction to the geological evolution of the earth through time using basic principles of stratigraphy and paleontology. Laboratory work includes identification and classification of fossils and correlation of sedimentary environments.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 121. Field Study I.** 1 hours. Local geology of the San Luis Valley and surrounding areas on day trips. Grades are pass/fail only. Outdoor activity required.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 123. Geology of the San Luis Valley.** 1 hours. Local geology of the San Luis Valley and surrounding areas on day trips. Course is offered during the fall or spring semester. Grades are pass/fail only. Outdoor activity required.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**GEOL 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GEOL 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By permission of instructor and approval of the department chair.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**GEOL 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GEOL 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By permission of the instructor and approval of the department chair.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 321. Geomorphology w/Env Applic.** 4 hours. A study of the processes that control the development of the materials and landforms found on the earth's surface. An emphasis is placed upon the hydrologic variables in generating landforms and human interactions with these formative processes. Field trips, topographic map, and aerial photo exercises are required. Spring semester of even-numbered years.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 331. Macro and Optical Mineralogy.** 5 hours. Systematic identification of natural minerals and gemstones utilizing their physical, crystallographic, and optical characteristics. Fall Semester of odd-numbered years.

Prerequisites: GEOL 112 Minimum Grade: C- OR GEOL 112 Minimum Grade: T

**GEOL 332. Optical Mineralogy.** 1 hours. A laboratory course based upon the interaction of light as it passes through non-opaque minerals. Students are to learn the optical properties of the common rock-forming minerals as identified using a petrographic microscope. Completion of GEOL 331 with a grade of C or better or concurrent registration required.

Prerequisites: GEOL 331 Minimum Grade: C- OR GEOL 331 Minimum Grade: T

**GEOL 334. Igneous/Metamorphic Petrology.** 5 hours. The study of the occurrence and origin of igneous and metamorphic rock. Laboratory exercises will emphasize the petrographic analysis of both macro and optical components of igneous and metamorphic rocks. Course includes field trips. Course is offered Spring semester of even-numbered years. GEOL 334 is a complimentary course with GEOL 343, Sedimentology and Stratigraphy.

Prerequisites: GEOL 331 Minimum Grade: C- OR GEOL 331 Minimum Grade: T

**GEOL 343. Sedimentology & Stratigraphy.** 4 hours. The study of the origin and occurrence of sedimentary materials and their vertical succession. Sediment dynamics and structures will be explored within various depositional settings. Course includes required field trips. Fall semester of odd-numbered academic years. GEOL 343 is complimentary to GEOL 334 Igneous and Metamorphic Petrology.

Prerequisites: GEOL 112 Minimum Grade: C- OR GEOL 112 Minimum Grade: T

**GEOL 350. Geology Excursion.** 2 hours. A field trip of approximately one week, generally during spring break, to different areas of the southwestern U.S. This course may be taken only twice for credit. An additional fee is required. Camping and outdoor activity is required. Course offered in spring semester of odd-numbered years.

Prerequisites: GEOL 112 Minimum Grade: C- OR GEOL 112 Minimum Grade: T

**GEOL 371. Structural Geology.** 4 hours. Recognition, representation, and significance of geologic structures of the earth's crust. Course includes occasional required field trips. Fall semester of even-numbered academic years.

Prerequisites: GEOL 111 Minimum Grade: C- OR GEOL 111 Minimum Grade: T

**GEOL 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**GEOL 388. Problems in Geology.** 1 TO 2 hours. Opportunity for laboratory or field research into problems of special interest. Fall and spring semesters upon sufficient interest. Instructor permission and approval of department chair required.

**GEOL 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GEOL 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**GEOL 433. Environment Geochemical Model.** 3 hours. A lecture and computer modeling course examining the interaction of geological materials with the surface environment. Processes of transport and fate of contaminants

and pollutants from natural and manmade sources will be addressed, as well as the geology of some natural resources that contribute pollutants. Spring semester of odd-numbered years.

Prerequisites: (GEOL 112 Minimum Grade: C- AND CHEM 131 Minimum Grade: C- AND CHEM 132 Minimum Grade: C-) OR (GEOL 112 Minimum Grade: T AND CHEM 131 Minimum Grade: T AND CHEM 132 Minimum Grade: T)

**GEOL 440. Hydrogeology.** 4 hours. Dynamics of the groundwater system and its relationship with surface water systems of rivers, lakes, and oceans. Spring semesters of odd-numbered years.

Prerequisites: (MATH 106 Minimum Grade: C- AND GEOL 112 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T AND GEOL 112 Minimum Grade: T)

**GEOL 460. Geol of World Regions Seminars.** 1 hours. This seminar course is a prerequisite for the corresponding summer field trip exploring regions of the world. A different region is highlighted every other spring semester. Focus is placed on understanding the structural geology, tectonic landscape, surficial processes, and human-environment interactions of the region. Students will study and discuss geological and geographic processes specific to the region. Examples of world regions include the Northern Alps, Iceland, Great Britain, Newfoundland, and Japan. Completion of at least one upper division GEOL course with a grade of C or better.

**GEOL 462. Geology of World Regions.** 3 hours. This field course, offered during winter, spring, or summer break, explore regions of the world through a geographic and geological perspective. A different region is studied every other summer. Focus is placed on understanding the structural geology, tectonic landscape, surficial processes, and human-environment interactions of the region. Students will gain an intimate knowledge of world regions, landscapes, and cultures. Example of world regions include the Northern Alps, Iceland, Great Britain and Newfoundland, and Japan.

Prerequisites: GEOL 460 Minimum Grade: C- OR GEOL 460 Minimum Grade: T

**GEOL 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**GEOL 488. Problems in Geology.** 1 TO 2 hours. Opportunity for laboratory or field research into problems of special interest. Fall and spring semesters upon sufficient interest. Instructor permission and approval of department chair required.

**GEOL 492. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GEOL 495. Field Geology.** 6 hours. Course teaches fundamental applications of traditional geological field mapping methods and recognition of geological features in an outdoor setting. Report writing, presentations, and planning for fieldwork are also covered. Modern technology is included wherever appropriate to learning field-based methods. Spring semester of even-numbered academic years.

Prerequisites: GEOL 446 Minimum Grade: C- OR GEOL 446 Minimum Grade: T

**GEOL 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of

special interest in the field. By faculty permission and approval of the department chair.

**GEOL 579. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**GEOL 592. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GEOL 599. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**GOVT 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GOVT 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GOVT 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**GOVT 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GOVT 291. American Government - GT-SS1.** 3 hours. This course examines American government and politics, including the Constitution, Congress, presidency, courts, public opinion, voting, socialization, civil rights and liberties, and public policy.

**GOVT 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GOVT 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**GOVT 300. Introduction to World Politics.** 3 hours. This course is of interest to history/government students who want a better understanding of the international political arena. The course also helps students understand contemporary world affairs.

**GOVT 301. Chang Dynamics/Int'l Relations.** 3 hours. This course is intended to supplement Govt 300 but can stand on its own. It introduces students to specific topics in the international arena.

**GOVT 303. Current Political Issues.** 3 hours. This course examines current controversial political issues such as affirmative action, same sex marriage, abortion, capital punishment, cloning, pornography, censorship, religion in public schools, and immigration.

**GOVT 305. Religion & Politics in the U.S.** 3 hours. This course examines the many ways that religion plays a role in American politics including church-state relations, public opinion and voting, political culture, and public policy.

**GOVT 306. Elections and Voting Behavior.** 3 hours. This course is the study of political parties, elections, campaigns, and voting behavior in the United States.

**GOVT 307. Intro to World Governments.** 3 hours. This course is specifically designed to prepare education majors for the licensing exam. It is also of interest to history/government

students who want a better understanding of institutions and systems.

**GOVT 308. Pacific Rim/21st Century World.** 3 hours. This course is of interest to history/government students who want a better understanding of international politics in the Pacific Rim region. The course also helps students understand the relationship between politics and economics.

**GOVT 325. Political Movements/Latin America.** 3 hours. This course broadens students' understanding of Latin America by introducing them to their political aspirations and modes of organization. The course is a useful option for those pursuing Latin America as a regional emphasis in either history or government.

**GOVT 351. Congr/Presidency/Public Policy.** 3 hours. This course examines Congress, the legislative process, presidency, and how both influence the policy-making process, with emphasis on specific policies such as healthcare, education, crime, housing, and social welfare.

**GOVT 358. Public Opinion & Socialization.** 3 hours. This course is an examination of public opinion and socialization in the United States. The focus of this course will be on the formation, content, and impact of public opinion on politics, elections, and policy.

**GOVT 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GOVT 380. Model United Nations.** 3 hours. This course explores international diplomacy and the inner workings of the United Nations. It also provides a hands-on approach to current global debates on issues such as violent conflict, human rights and poverty.

**GOVT 385. Politics and Media.** 3 hours. This course is the study of media and politics. Topics to be studied may include network and cable political shows, newspapers, campaign ads, entertainment media, the ways media influence the political process, individual opinion, and elections, and how politicians use media to win elections, govern, and make policy.

**GOVT 392. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GOVT 393. Women, Politics, and Culture.** 3 hours. Interdisciplinary analysis of politics and culture. Course examines the role of gender in the political culture of the United States and selected societies in industrialized and developing nations. Of special interest to those wishing to pursue an interest in women's studies and/or cultural anthropology.

**GOVT 399. Individual Studies.** 1 TO 9 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**GOVT 429. Constnl Law and Crimnl Justice.** 3 hours. This course examines Supreme Court decisions and doctrine in areas such as search and seizure, the exclusionary rule, interrogations, right to counsel, cruel and unusual punishment and other issues in criminal justice and the courts.

**GOVT 430. Constnl Law:Civil Liberties.** 3 hours. This course examines Supreme Court decisions and doctrine in areas such as, speech, assembly, religion, privacy, press, civil rights, and election law.

**GOVT 436. American Thought.** 3 hours. The historical, philosophical, and literary ideas that have influenced American life and thought. (Same as HIST 436 and PHIL 436.)

**GOVT 460. Pre-Law Studies Seminar.** 3 hours. Taught in an intensive Socratic format, this course is designed to prepare students specifically to read, write, and think like a lawyer. In addition to formal classroom exercises, students shall visit courts and interact with practicing attorneys.

**GOVT 466. Ancient Political Theory.** 3 hours. This course is of interest to history/government students who want a better understanding of ancient philosophy and its relationship to political thought.

**GOVT 467. Modern Political Theory.** 3 hours. This course is of interest to history/government students who want a better understanding of modern philosophy and its relationship to political thought.

**GOVT 468. U S/Latin American Relations.** 3 hours. This course will examine U.S.-Latin American Relations from the Monroe Doctrine to the present. The course will explore recent developments in U.S.-Latin American relations, particularly the growing interdependence and the impact of the end of the Cold War.

**GOVT 470. Readings.** 3 hours. Through directed readings around a topic, this course permits students to explore fundamental questions in the field of political science.

**GOVT 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GOVT 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GOVT 499. Individual Studies.** 1 TO 15 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**GOVT 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**GOVT 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**GOVT 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**HCA 179. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**HCA 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**HCA 303. Health Care Administration.** 3 hours. Students in this introductory Health Care Administration course will be exposed to the industry and its significant elements and trends of the current health care environment. Throughout the course, students will see the need to know who and their patients are, how they are changing, and how they are reacting to an evolving health care environment. Students will learn to appreciate the multi-task nature of health care managers and their responsibilities in a variety of challenges they face. Students will be able to comprehend the basics of the health care management and administration functions, both traditional and new-wave thinking. Students will also identify and define

what constitutes ethical and socially understanding the elements in health care management, they will be able to consider when evaluating an ethics-based argument in a particular health care setting and will understand how personal ethics can be influenced.

Prerequisites: BUS 103 Minimum Grade: C- OR BUS 103 Minimum Grade: T

**HCA 305. Health Care Marketing.** 3 hours. This course involves an analysis, evaluation, and implementation of marketing strategies within health care and managed-care environments. Designed to develop skills in segmenting customer and medical markets, brand products and services, enhance a communication strategy to the consumer, and develop pricing approaches. Methods and models of marketing fundamentals will be introduced.

Prerequisites: (BUS 304 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (BUS 304 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 311. Health Care Law & Ethics.** 3 hours. This course presents an overview of the legal and ethical issues faced by health care consumers, practitioners, and administrators. The course will introduce students to the legal aspects of health care at the federal, state, and local levels. Topics covered will include criminal and civil claims against health care providers, corporate and individual liability, and legal and ethical decision-making, individual liability, and legal and ethical decision-making. HCA 361 Health Care Administration. Instructor permission.

Prerequisites: (BUS 211 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (BUS 211 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 312. Health Care Med Terminology.** 2 hours. This course will focus on the components of medical terms and the methods for analysis of word definitions. The emphasis will be on learning to define, pronounce, and spell medical terms using prefixes, suffixes, roots, and combining forms related to the anatomy and physiology of the human body. The course will include an introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems.

**HCA 325. Health Care Information Systm.** 3 hours. A study of record keeping practices in the hospital and physician's office. Emphasis is placed in hospital and medical staff organization, patient record content, procedures in filing, numbering and retention of patient records, quantitative analysis, release of patient information, forms control and design, indexes and registers, reimbursement, regulatory and accrediting agencies, and alternate health care delivery systems. Instructor permission.

Prerequisites: (BUS 120 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (BUS 120 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 363. Health Care Finance.** 3 hours. This course is devoted to the practical aspects of finance in health care, an examination of current practices in financial management of health care organizations, and managerial applications to specific problems facing health care managers. The first part of the course will focus on an overview of health care finance, managerial accounting, and financial analysis. The second part

will continue with managerial accounting and financial analysis and will concentrate on the various tools used in financial management. Emphasis is placed on unique issues and concerns that result from the regulatory framework of health care organizations. At the conclusion of this course, the student should be able to discuss the financial structure, market forces, controls and techniques used in the health care management field, be able to read and analyze financial statements and budgets and have the skill to interpret financial and operating performance.

Prerequisites: (BUS 207 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (BUS 207 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 379. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**HCA 381. Health Care Admin Internship.** 3 hours. The Health Administration Internship provides the students the opportunity to gain practical experience and integrate classroom knowledge and theory in an administrative setting within the health care industry.

Prerequisites: HCA 303 Minimum Grade: C- OR HCA 303 Minimum Grade: T

**HCA 399. Individual Studies.** 1 TO 4 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HCA 402. Epidemiology.** 3 hours. This course consists of an examination of epidemiological concepts and methods of studying the distribution and determinants of morbidity and mortality in human population. The knowledge and skills acquired should enable on to understand and critically review scientific literature dealing with epidemiology concepts and measures. Instructor permission.

Prerequisites: (BUS 318 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (BUS 318 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 455. Health Care Economics.** 3 hours. This course will examine health care decision-making and the functioning of health care markets in the U.S. The course is not designed as a pure economics theory course but instead emphasizes how you can frame and analyze various health issues using the principles of economics. By doing so, you will gain a powerful new perspective that will help you understand the decisions made by individuals and organizations in the face of scarce resources. Instructor permission.

Prerequisites: (ECON 255 Minimum Grade: C- AND ECON 256 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (ECON 255 Minimum Grade: T AND ECON 256 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 462. Quality Mgmt in Health Care.** 3 hours. Quality is an important aspect of health care; indeed, for most people, it is the most important aspect. Quality is defined in the dictionary as degree of excellence" or "superiority in kind." Quality of care must be part of both the process and outcome of health care whenever possible. The issue is how does the system develop mechanisms to assure such quality? This course serves as an introduction to the process of quality management in health care organizations. Principles of total quality in health care will



be discussed. Differentiation between quality assurance and quality management will also be presented. Instructor permission."

Prerequisites: (BUS 318 Minimum Grade: C- AND BUS 361 Minimum Grade: C- AND HCA 303 Minimum Grade: C-) OR (BUS 318 Minimum Grade: T AND BUS 361 Minimum Grade: T AND HCA 303 Minimum Grade: T)

**HCA 479. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**HCA 480. Health Care Policy.** 3 hours. This course is an introduction to health policy. It will focus on how U.S. health policy is developed and will provide students with a general understanding of the policy making process and debates related major U.S. health care legislations.

Prerequisites: (HCA 303 Minimum Grade: C- AND HCA 305 Minimum Grade: C- AND HCA 363 Minimum Grade: C-) OR (HCA 303 Minimum Grade: T AND HCA 305 Minimum Grade: T AND HCA 363 Minimum Grade: T)

**HCA 545. Public Health.** 3 hours. This course provides a comprehensive coverage of traditional public health responsibilities- assessing the burden of disease, preventing and controlling health threats, and developing policies and public administration responses to improve health --in a contemporary framework. It covers the basics of administration, including public health law, human resources management, budgeting and financing, and legislative relations in public health.

**HCA 550. Elderly and Managed Care.** 3 hours. This course will consider long-term service delivery programs designed to meet the special needs of seniors. The course will include a managerial overview of seniors' housing and care and will analyze the demographics of aging, the role of financing, and the evolving marketplace.

**HCA 555. Health Policy.** 3 hours. Critical analysis of federal and state health policy processes, outcomes, and issues. This course allows students to examine the efficiency and effectiveness of health policy issues associated with access, cost, and quality. Emphasis is placed on policy formulation, implementation, assessment, and modification.

Prerequisites: HCA 303 Minimum Grade: C

**HCA 590. Practicum.** 3 hours. The MHA Practicum: executive skill development is designed to develop and enhance the skills necessary for success as a healthcare executive through management practice in health care administration. The course provides the students the opportunity to gain practical experience and integrate classroom knowledge and theory in an administrative setting within the health care industry.

**HCA 595. HCA Thesis.** 3 hours. The research project serves as a capstone experience as students complete the MBA emphasis area of study. Students will complete a research project involving an introduction to the problem or research question, comprehensive in-depth review of the current literature, research methodology, data collection, and analysis if applicable, and conclusions.

Prerequisites: BUS 515 Minimum Grade: C

**HEAL 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**HEAL 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**HEAL 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interest in the field.

**HEAL 500. Historical/Contemporary Issues.** 3 hours. This course provides students with an overview of the evolution of American higher education as we know it today. The first half of the course is an examination of the history of American higher education, beginning with colonial times and tracing its development to the present. The second half of the course examines current topics in higher education, focusing on perennial issues and why they continue to perplex higher education officials.

**HEAL 510. Admin & Academic Collaboration.** 3 hours. This course provides students with an overview of staffing practices in higher education and the opportunities and challenges for collaboration between faculty, staff, and administration, with a special emphasis on acquiring a better understanding of who faculty are, what faculty do, and what faculty think. Particular attention will be given to how organizational culture drives collaborative efforts in minority serving institutions.

**HEAL 520. Leadership in MSIs.** 3 hours. This course examines the various leadership theories that inform the practice of administration in colleges and universities and the higher education industry in general. Through assignments, special attention will be geared toward applying these theories to leadership within the context of Hispanic Serving Institutions (HSIs).

**HEAL 530. Finance/Budgeting in Higher Ed.** 3 hours. This course provides students with an overview of finance and budgeting issues in higher education. It describes the financial resource management in institutions as well as the budgeting process.

**HEAL 540. Leading for Success in MSIs.** 3 hours. This course examines theories and practices that influence student success. Particular attention will be given to the roles and responsibilities of administrators engaged in managing organizational strategies and interventions within minority serving institutions.

**HEAL 550. Politics/Policy in Higher Ed.** 3 hours. This course examines state and federal government policies that influence institutions of higher education (IHEs) generally and Hispanic Serving Institutions (HSIs) specifically. The intersection between policies and institutional actions creates a dynamic that influences administrative leadership and student access and success. Effective leaders must account for the context in which they operate, and state and federal policies contribute to that context and, as such, merit special consideration and study.

**HEAL 560. Data Analysis in Higher Ed.** 3 hours. This course introduces the concepts and skills involved in understanding and analyzing research in a variety of areas in higher education. The course provides an overview of basic, general knowledge of various research methodologies. It emphasizes the conceptual underpinnings of statistical analysis of data, including univariate and bivariate descriptive statistics, sampling distributions, statistical estimation, hypothesis testing and procedures in testing statistical hypothesis for one and two

sample designs. This course also enhances students' abilities to locate, read, comprehend, and critically analyze research articles and reports.

**HEAL 570. Legal Issues in Higher Ed.** 3 hours. This course is designed to review the impact of the judiciary on higher education. The legal standing of institutions of higher education on issues of staff rights, student rights, and tort liability will be addressed. In addition, the impact of local ordinances, state and federal laws and regulations will be examined.

**HEAL 580. Planning/IR/Assessment.** 3 hours. This course provides students with an overview of decision-making strategies and techniques for effective planning, institutional research, and assessment. Particular attention will be given to the diversity of institutional settings and the context within which leaders in higher education practice, including small and large campuses, public and private colleges and universities, system offices, and state and federal level agencies.

**HEAL 581. Planning/IR/Assess Practicum.** 2 hours. This course provides students actual experiences, through projects and activities, in the management and practice of planning, institutional research, or assessment in a professional setting within higher education administration under supervision. Students will work with administrators in college and university offices whose function is in the planning, institutional research, and assessment domain.

**HEAL 590. Entrepreneurship in Higher Ed.** 3 hours. This course provides an understanding of the various relationships that enable Institutions of Higher Education to expand their resource base to help them fulfill their missions. Students will examine the importance of external partnerships and activities related to such partnerships, including but not limited to grantsmanship, institutional advancement, and strategic collaborations with public and private entities.

**HEAL 591. Practicum in Entrepreneurship.** 2 hours. This course provides students actual experiences, through projects and activities, in the management and practice of entrepreneurship and external partnerships, including but not limited to the areas of grantsmanship, institutional advancement, and strategic collaborations with public and private entities. Students will work with administrators in college and university offices whose function it is to create, maintain, or grow external partnerships and expand the institution's resource base.

**HEAL 598. HEAL Portfolio.** 1 hours. Program coherence and student learning are demonstrated through a public exhibition and faculty assessment of an e-portfolio. The e-portfolio is required for graduation with a master's degree in HEAL. The e-portfolio will begin during the first course and is finalized during the final two semesters. The course may be repeated for a maximum of 2 semester hours. The e-portfolio serves as a formative and summative evaluation of student learning.

**HEAL 599. Individual Studies.** 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 110. Development of Civ GT-HI1.** 3 hours. A study of Western and Eastern civilizations from their Neolithic origins to

1500, with emphasis on cultural and institutional developments.

**HGP 111. Development of Civ GT-HI1.** 3 hours. A study of Western and Eastern civilizations from 1500 to the present, with emphasis on cultural and institutional developments.

**HGP 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HGP 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HGP 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 316. Methods/Teaching Soc Studies.** 3 hours. An introduction to concepts and techniques of imparting state content area standards to middle school and high school students.

Prerequisites: (ED 200 Minimum Grade: C- OR ED 200 Minimum Grade: T) AND (ED 220 Minimum Grade: C- OR ED 220 Minimum Grade: T)

**HGP 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HGP 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HGP 471. Senior Seminar.** 3 hours. This course is designed to be the academic capstone experience for all students who have majored in History/Government. All seminar members will participate in the discussion of the assigned reading material. Each student will write a paper that reflects the student's mastery of library usage, research methodology, breadth of knowledge, and writing ability. The students will give oral presentations of their papers to the members of the Seminar. All students enrolled in the Senior Seminar will also write their Senior Comprehensive Examinations as part of the requirement for all History/Government majors. The Seminar topic will be chosen by the instructor but sufficient methodological approaches will be explored to accommodate the interests of students from either a History or Government emphasis.

**HGP 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HGP 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of

special interest in the field. By faculty permission and approval of the department chair.

**HGP 516. Methods/Teach Soc Studies-Sec.** 3 hours. This is a graduate level course that is an introduction to concepts and techniques of imparting state content area standards to middle school and high school students.

**HGP 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HGP 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HGP 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**HIST 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HIST 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HIST 202. American Hist to 1865 GT-HI1.** 3 hours. A chronological examination of American problems and progress.

**HIST 203. Amer Hist 1865 / Presnt GT-HI1.** 3 hours. A chronological examination of American problems and progress.

**HIST 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HIST 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HIST 301. Colorado History.** 3 hours. The development of Colorado from prehistoric times to the present.

**HIST 305. The American West.** 3 hours. Historical survey of the Indian-, Hispanic-, and English-speaking groups of the West. Emphasis is on the frontier period.

**HIST 314. Colonial America.** 3 hours. An examination of the development of Europe's North American colonies from their planting to the eve of the American Revolution.

**HIST 316. Amer Revol & Federalist Era.** 3 hours. A comprehensive study of the period from 1763 to 1801, with particular attention given to the American Revolution, the Confederation, the Constitutional Convention, and the administrations of Presidents Washington and Adams.

**HIST 318. Foundations of Amer Diplomacy.** 3 hours. An examination of the United States' relations with other nations from the American Revolution to the end of the 19th century.

**HIST 320. History of American Women.** 3 hours. This course examines the role of women in American History with special emphasis on how the story of women is told by historians over time. It examines not only the lives of many famous white women, but also the experience of women from various ethnicities and economic backgrounds. In addressing how Americans construct their understanding of women's lives in the U.S., the course will also reassess how focusing on

women's lives might alter one's understanding of the broader patterns and interpretations of American History.

**HIST 322. The Gilded Age/Progressive Era.** 3 hours. A detailed survey of American diplomatic, social, and political developments from the Civil War to the eve of the World War I, with particular attention given to the industrialization and urbanization of the United States.

**HIST 328. Chicano History.** 3 hours. A survey of the historical development of the character, economy, social structure, politics, culture, and ideas of the Spanish-speaking people of Mexican descent in the U.S. from settlement until present, with particular attention given to the San Luis Valley.

**HIST 330. The Middle Ages.** 3 hours. A survey of the development of European civilization from the decline of the Roman Empire to the Italian Renaissance.

**HIST 331. Renaissance and Reformation.** 3 hours. A survey of European civilization from the end of the Middle Ages through the Renaissance and Reformation, with special emphasis on culture, religion, art, politics, science, and social history.

**HIST 334. French Revolution & Napoleon.** 3 hours. An examination of the many complex causes, effects, and lessons of the French Revolution, including daily life, the Estates, politics, economics and the absolute monarchy in Old Regime France, the onset of the Revolution, Napoleon and his empire.

**HIST 342. England.** 3 hours. A study of the social, economic, political, and constitutional development of the English state, with emphasis on the evolution of the Empire and contemporary Great Britain.

**HIST 345. History of Germany.** 3 hours. A survey of the history of the German people from the Roman period to the fall of the Berlin Wall and reunification of Germany in 1989.

**HIST 346. Imperial Spain.** 3 hours. This course examines the development of the Spanish Nation, focusing on the political, religious, and cultural aspects of the Diarchy of Ferdinand and Isabella, and the colonization and Imperial administration of the New World Territories.

**HIST 350. History of Sport in America.** 3 hours. This course covers the development of sports and their significance in American life from colonial period to present. It is designed both to supplement student's understanding of American History and to examine the role that sports have played in shaping contemporary society. Close attention will be paid to the context of sports development, especially the economic and social environment. Topics will include a study of the role of industrial society in fostering sports, and the changing gender structure of sports.

**HIST 355. Latin America to 1830.** 3 hours. A survey of the economic, political, and social dimensions of the colonial system. Themes include the pre-Columbian civilizations of the Americas, the imposition of European rule, the place of Latin America in the emerging Atlantic economy, and the independence movements of the early 19th century. Major emphasis will be given to the core" areas of Mexico, Peru, and Northeastern Brazil, but other regions will also be considered."

**HIST 356. Latin America Since 1830.** 3 hours. This course will examine the evolution of Latin America from the aftermath of independence to the present. Major themes include: the

incorporation of Latin America into the global economy, the effect of the export economy on the region's peasant populations, the building of national states, the fate of revolutionary struggles in the 20th century, and Latin America's neocolonial" relationship with the United States."

**HIST 357. Mexico.** 3 hours. Historical survey of the social, intellectual, and political developments from the conquest to the present.

**HIST 360. History of Italy.** 3 hours. A survey of the history of the Italian people from pre-Roman times to Italy's 21st century role in the European Union.

**HIST 363. Civil War & Reconstruction.** 3 hours. A study of the ante-bellum South, sectional discord, armed conflict, and reconstruction of the union.

**HIST 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HIST 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HIST 426. US in the Era of World Wars.** 3 hours. A study of the diplomatic, social, and political developments of the first half of the twentieth century, with emphasis on the impact of immigration, urbanization, technology, and America's increasing involvement in world affairs through World War II.

**HIST 427. US History Since 1950.** 3 hours. A study of recent U.S. history, with emphasis on postwar social and political developments, as well as the impact of America's role in world affairs, and with particular attention to great power rivalries, the Cold War, Korean Conflict, and Vietnam.

**HIST 432. Nineteenth Century Europe.** 3 hours. A study of the major ideas of the 19th century such as liberalism, nationalism, socialism, and the actions and consequences resulting from those ideas.

**HIST 433. Modern Europe.** 3 hours. An advanced survey of European history between 1815 and 1945. Attention will be given to political, social, economic, and technological developments. The development of Nationalism will receive special attention.

**HIST 434. Twentieth Century Europe.** 3 hours. This course examines how the relationship of Europe and the world has been transformed, whether a new United States of Europe is emerging, or whether Europe is collapsing into ethnic nationalism. Current materials available through the Internet will be used in this course.

**HIST 435. History of Nazism and Fascism.** 3 hours. This course will survey the history of Italian Fascism and Nazism in Germany from the end of the First World War to 1945.

**HIST 436. American Thought.** 3 hours. The historical, philosophical, and literary ideas that have influenced American life and thought. Same as GOVT 436 and PHIL 436.

**HIST 470. Readings in History.** 3 hours. Through directed readings around a topic, this course permits students to explore fundamental questions concerning history or historiography.

**HIST 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HIST 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

**HIST 500. Historiography/Historical Meth.** 3 hours. A historiographical seminar in which students learn and demonstrate a mastery of a variety of methods historians use to understand the past.

**HIST 501. State History.** 3 hours. A graduate-level survey of the history of a particular state, with emphasis on how meta and national phenomenon impacted a given state, as well as events and phenomena unique to the state.

**HIST 505. American West.** 3 hours. This course is a survey of the American West with an emphasis on interpretation by historians. Admission to the Master of Arts program is required.

**HIST 516. Amer Rev and Federal Era.** 3 hours. A graduate-level survey of the period from 1761 to 1801, with particular attention to the American Revolution, the Confederation, the Constitutional Convention, and the administration of Presidents Washington and Adams.

**HIST 520. Topics in World History.** 3 hours. This course will involve intensive reading, analysis, and discussion of selected topics/controversies in world history.

**HIST 526. U.S. in the Era of World Wars.** 3 hours. A study of the diplomatic, social, and political developments of the first half of the twentieth century with emphasis on the impact of immigration, urbanization, technology, and America's increasing involvement in world affairs through WWII.

**HIST 530. Topics in Historical Geography.** 3 hours. An in depth examination of interplay between the human and physical geography of a local and key events in the American history that occurred there. 6 hours of undergraduate US History survey or instructor approval required.

**HIST 531. Early Modern Europe.** 3 hours. This course is designed to familiarize graduate students with the major themes and historiographical debates found in Early Modern European History. Admission to the Master of Arts program is required.

**HIST 560. Cultural Geography.** 3 hours. This course will emphasize the application of the principles of cultural geography to the analysis of the United State and modern world affairs.

**HIST 563. Civil War and Reconstruction.** 3 hours. A graduate-level study of the antebellum South, sectional discord, armed conflict, and reconstruction of the Union.

**HIST 566. Western Political Theory.** 3 hours. A historical introduction to the central issues in political philosophy from ancient Greece to contemporary western society through critical evaluations of classical and modern thinkers, ideal forms of government, and political legitimacy. These themes will be examined historically and in terms of their contemporary relevance and influence on American political values.

**HIST 567. Topics in Political Theory.** 3 hours. A critical evaluation of contemporary political divisions in the United

State. The course will focus on the psychology of commitment and the rational justifications for the various positions that define and divide political discourse in the United States. The divisions to be discussed include cultural values, gender/sex, race, and class.

**HIST 568. U.S.-Latin American Relations.** 3 hours. This course will examine U.S. - Latin Relations from the Monroe doctrine to the present with a more intensive and analytical focus on cold-war relations and the shift to post-cold-war dynamics.

**HIST 569. African Amer Civil rights Mvmt.** 3 hours. This course explores the Civil Rights Movement within the African American communities and the United States in general from the end of the World War II to the early 1970's.

**HIST 570. Readings in US History.** 3 hours. This course is a graduate-level directed readings seminar on a common topic.

**HIST 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**HIST 590. History Practicum.** 3 hours. A graduate-level practicum in the development and of United States History curriculum (education and public history).

**HIST 591. Thesis.** 3 hours. This course is the culminating experience for the MA program in which students demonstrate mastery of the discipline by producing an acceptable Master's Thesis. Successful completion of 21 hours of graduate-level work in History.

**HIST 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HIST 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Head.

**HPPE 100. Foundations of HPPE.** 3 hours. This course serves as an overview of the historical, philosophical, ethical and sociological foundations of Human Performance and Physical Education. This course will be delivered with a specific emphasis on exercise science, sport management, sport psychology, and coaching. Students also will study current issues, challenges and trends as they relate to professional careers and the administration of sport, fitness, and physical education. Embedded within this course is an introduction to the key Academic Program Goals of HPPE.

**HPPE 101. Profession/Intro to K-12 PE.** 2 hours. The purpose of this course is to focus on historical and current issues and philosophical perspectives of American physical education and sport. Implications for today's physical education programs will be identified and discussed.

**HPPE 105. Beginning Swimming.** 1 hours. This course is designed to prepare physical education majors or those with a physical education emphasis to teach swimming and pool related activities. Among the activities of the course are fundamental skills and basic strokes of swimming and water games and activities appropriate for K-12 students.

**HPPE 120. Concepts in Wellness.** 3 hours. Students will learn about the various dimensions of wellness, assess their own health status, and design interventions to improve personal health through lecture, video, laboratory experiences, and physical activities. This course will also provide students

with the information necessary to make evidence-based decisions regarding personal wellness and to understand health disparities among diverse populations. There is a physical activity component to this course.

**HPPE 121. Tech/Coach Offic Football.** 3 hours. This course is designed to cover the basics of coaching football with special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of individual skills and play. In addition, the course includes a basic study of the rules and mechanics of officiating the sport of football.

**HPPE 122. Tech/Coach Offic Basketball.** 3 hours. This course will provide students with the instructional techniques and strategies needed to better understand the game of basketball. The course will cover the rules, regulations, techniques, skills and strategies of the modern form of basketball. Students will develop and implement their own style and philosophy of coaching basketball.

**HPPE 123. Tech/Coach Offic Softball.** 3 hours. This course is a study of theory, techniques and practical application of coaching softball. The course will cover recent trends and systems, offensive and defensive play, as well as individual and team development as they pertain to the game of softball. A study and application of the rules of officiating softball will be covered.

**HPPE 125. Tech/Coach Offic Volleyball.** 3 hours. This course is an overview of appropriate techniques and strategies of coaching and officiating the game of volleyball. There is an emphasis on offensive and defensive play, fundamentals of individual skills and play, and the rules and mechanics of officiating volleyball.

**HPPE 126. Tech/Coach Offic Wrestling.** 3 hours. This course is designed to provide an overview of the knowledge and skills necessary to coach wrestling, including skill development, progressions, developing practice plans and officiating. Practical application of skills and officiating wrestling events will be major components of this course.

**HPPE 130. Teaching Ind/Dual Activities.** 3 hours. This course is designed to teach basic skills, lead-up activities, and patterns of motor performance needed to successfully participate in and ultimately teach a variety of individual and dual activities.

**HPPE 141. Teaching Team Activities.** 3 hours. This course is designed to teach basic skills, lead-up activities, and patterns of motor performance needed to successfully participate in and teach a variety of team activities.

**HPPE 160. Intro Adventure & Leadership.** 3 hours. In this course, students will build an understanding adventure and leadership through a variety of readings, class discussions, presentations, and hands on adventure activities. Completion of the course will prepare students for future leadership roles and for the HPPE 261 Adventure Leadership and Programming Expedition and ALP minor.

**HPPE 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**HPPE 190. Sports Psychology.** 3 hours. Sport psychology is primarily concerned with the interaction between psychological variables and exercise. This course will review this interaction by addressing variable that affect the individual athlete,

influence sport and exercise environments, shape group processes, enhance health and well-being, improve performance, and facilitate psychological growth and development in sport participants.

**HPPE 192. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HPPE 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HPPE 209. Care/Prevention Athletic Injur.** 2 hours. Understanding the care and prevention of athletic injuries, including the evaluation, nature, types, and functions of various rehabilitation programs.

**HPPE 210. Sport Comm & Tech.** 3 hours. This course introduces students to the main skills required for sports journalism and public relations, with particular emphasis on writing and public speaking. Students will learn about the historical development and cultural significance of sport and how those have shaped the business of sport. Students will also be introduced to technologies that impact on their abilities to write and disseminate stories and on how those technologies affect the character of messaging.

**HPPE 230. Teaching Team Activities.** 3 hours. This course is designed to teach basic skills, lead-up activities, and patterns of motor performance needed to successfully participate in and teach a variety of team activities.

**HPPE 240. Planng & Instrcnl Desgn PhysEd.** 3 hours. This course provides the foundation of students' pedagogical and professional knowledge in K-12 Physical Education. Students will gain introductory knowledge of lesson planning, instructional strategies, and instructional design, which they apply to a limited number of controlled teaching situations. Prerequisites: (HPPE 101 Minimum Grade: C- AND HPPE 141 Minimum Grade: C-) OR (HPPE 101 Minimum Grade: T AND HPPE 141 Minimum Grade: T)

**HPPE 245. Athletic Training Practicum I.** 1 hours. Beginning experience in the athletic training room. Learning the responsibilities of the athletic trainer and the athletic training room. Completion of clinical proficiencies in taping, wrapping, bracing and the day-to-day working of the athletic training room, including practice prep and clean-up.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) ) AND (HPPE 209 Minimum Grade: C- OR HPPE 209 Minimum Grade: T) AND (HPPE 247 Minimum Grade: C- OR HPPE 247 Minimum Grade: T)

**HPPE 246. Athletic Training Practicum II.** 1 hours. To provide field experience with fall sports in applying learned proficiencies and principles of athletic training. Students will be assigned to an ASU intercollegiate sport (other than football), with supervision by a staff member or graduate assistant who is an ATC. This student will work with the team during pre-season, conditioning season and post-season workouts and practices. The student will learn therapeutic modalities and

therapeutic exercises from the ATC who is supervising the sport. The student will act as the assistant for the ATC.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) ) AND (HPPE 209 Minimum Grade: C- OR HPPE 209 Minimum Grade: T) AND (HPPE 247 Minimum Grade: C- OR HPPE 247 Minimum Grade: T)

**HPPE 247. First Aid, CPR & AED Training.** 2 hours. Practical and accepted first aid methods and techniques stressing diagnosis and treatment of injuries caused by common accidents. This course covers practical and accepted first aid methods and techniques stressing evaluation and treatment of injuries caused by common accidents. Certification in Community First Aid and Safety, CPR, Profession Rescuer, Automated External and Defibrillator and Oxygen Administration upon successful skill completion.

**HPPE 249. Sports Writing & Statistics.** 1 TO 2 hours. Designed to give interested students an opportunity to help with statistical procedures related to various sport programs. Sport and news related writing may also be included when appropriate.

**HPPE 251. Teaching Indiv/Dual Activities.** 3 hours. This course is designed for HPPE majors within the teaching emphasis. It will educate these majors in the basic skills, lead-up activities, and patterns of motor performance needed to successfully participate in and ultimately teach a variety of individual and dual activities.

Prerequisites: (HPPE 101 Minimum Grade: C- AND HPPE 141 Minimum Grade: C- AND HPPE 240 Minimum Grade: C-) OR (HPPE 101 Minimum Grade: T AND HPPE 141 Minimum Grade: T AND HPPE 240 Minimum Grade: T)

**HPPE 260. Statistics in HPPE.** 3 hours. This course is designed to introduce students to statistical theories, data collection procedures, techniques for analysis and interpretation of data in Human Performance & Physical Education.

**HPPE 261. Adv Leadership/Program Exped.** 6 hours. The Adventure Leadership and Programming Expedition (ALP) is a 14-day expeditionary learning experience that takes place in the backcountry of the Southern San Juan Mountains or the Sangre De Cristo Wilderness. This is the first and introductory course in the Adventure Leadership and Programming Minor. The course seeks to teach the basic principles of outdoor leadership, wilderness expeditioning, and site management. This is one of eight courses that build to the Adventure Leadership and Programming Minor.

**HPPE 262. Climbing Wall Instructor.** 1 hours. The Climbing Wall Instructor Course provides potential instructors with an in-depth and standardized understanding of the skills essential to teaching climbing in an indoor setting. It is the first step in a sequential approach to professional climbing instructor development. The course reinforces the importance of teaching technically accurate information and debunks many common climbing myths. The course emphasizes the presentation of sound fundamental skills to climbing gym participants, the formation of risk assessment and risk

management skills and basic problem solving skills such as belay transitions and on wall coaching and assist techniques.  
Prerequisites: HPPE 261 Minimum Grade: C- OR HPPE 261 Minimum Grade: T

**HPPE 263. Mountain Bike Site Management.** 1 hours. The Mountain Bike Site Management course provides Adventure Leadership and Programming students with an in-depth understanding of the skills essential for leading and teaching a mountain bike program. This is the third course in the Adventure Leadership and Programming Minor. Over a two-day period, this course will cover mountain biking technique, safety, basic maintenance, course designing, and will reinforce risk management strategies.

Prerequisites: HPPE 261 Minimum Grade: C- OR HPPE 261 Minimum Grade: T

**HPPE 264. Rock Climbing Site Management.** 2 hours. This course will cover the safety concerns surrounding a rock climbing site, equipment use and care, setup of the site, managing participants, and basic physics of climbing and climbing anchors.

Prerequisites: HPPE 262 Minimum Grade: C- OR HPPE 262 Minimum Grade: T

**HPPE 265. Winter Leadership Intensive.** 3 hours. The Winter Leadership Intensive is designed to expose students to winter travel and programming in the Southern San Juan Mountains. The course is divided into 4 sections: Review of Site Management Theory (1 day), Avalanche 1 Certification course (3 days), Intro to Ice Climbing Site Management (1 day), Winter Travel and Camping (2 days).

Prerequisites: HPPE 264 Minimum Grade: C- OR HPPE 264 Minimum Grade: T

**HPPE 266. Wilderness First Aid (WFA).** 1 hours. The Wilderness First Aid (WFA) course is designed to introduce you to the concepts of medical care in a wilderness setting. The course focuses on Basic Life Support skills, minor trauma, selected environmental topics, spine assessment and the ruling out process, allergic and toxic reactions, and common medical emergencies."

**HPPE 267. Challenge Course Instructor.** 1 hours. The Challenge Course Instructor course provides potential instructors with an in-depth and standardized understanding of the skills essential to facilitating challenge course programs. It is the first step in a sequential approach to professional challenge course facilitator. The course emphasizes the presentation of sound facilitation skills; the formation of risk assessment and risk management skills; on challenge course coaching / assist techniques.

**HPPE 268. Snow Mountaineering.** 3 hours. Snow Mountaineering is a 6-day expedition focusing on the skills necessary to travel effectively in high angle terrain on snow and ice. This course utilizes skills taught in the Winter Leadership Intensive and the Adventure Leadership and Programming Expedition.

Prerequisites: HPPE 265 Minimum Grade: C- OR HPPE 265 Minimum Grade: T

**HPPE 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student interests in the field.

**HPPE 290. Sport Law.** 3 hours. This course explores the structure of the legal system, introduces the case study method, aspects of constitutional law, labor and anti-trust law, tort law, product liability, contract law, administrative and statutory law applicable to the sport industry. The course also covers establishing a risk management system for facilities and sports programs.

**HPPE 292. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HPPE 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HPPE 300. Promote a Healthy Environment.** 3 hours. In this course licensure candidate students will receive instruction in such areas as conflict resolution and mediation, empathy and compassion, non-violent restraint training, child health and nutritional concerns, crisis intervention, basic first aid and CPR, and emergency protocol as they relate to developing safe and healthy school atmospheres.

Prerequisites: BKCK - Minimum Score: 1

**HPPE 301. Sport & Fitness Nutrition.** 3 hours. This course will present a review of basic nutrition and then explore the areas of sport, exercise and fitness nutrition, supplementation, sport drug use and abuse, weight loss diets, eating disorders, weight gain nutrition, body composition, and the metabolic nutritional requirements of various sports and fitness activities.  
Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) ) AND (HPPE 329 Minimum Grade: C- OR HPPE 329 Minimum Grade: T)

**HPPE 305. Sport Fac. & Event Mngmnt.** 3 hours. This course introduces students to the discipline of facility and event management as they relate to the sport, recreation, and leisure industries. Key topics will include planning, designing, managing, scheduling, leading, and supervising sport facilities. In addition, students will become familiar with the techniques and strategies needed to plan, promote, manage, and evaluate special sport and sport-related events.

Prerequisites: (HPPE 100 Minimum Grade: C- AND BUS 103 Minimum Grade: C-) OR (HPPE 100 Minimum Grade: T AND BUS 103 Minimum Grade: T)

**HPPE 310. Dance Fundamentals K-12.** 2 hours. The purpose of this dance pedagogy class is to introduce and rehearse the fundamentals of dance, music, and movement education. Dance forms such as folk, contra, square, modern, ballet, social and aerobic dance are integrated into the course and students will be required to perform and teach each dance form.

**HPPE 311. Methods of Teaching Health Ed.** 3 hours. This course is designed to provide the prospective teacher a foundation in school health education, elementary through secondary, including methods and materials for health instruction, promotion of healthful living, and understanding of the health service program.

Prerequisites: (BKCK - Minimum Score: 1 AND ED 200 Minimum Grade: C- AND ED 220 Minimum Grade: C-) OR (BKCK - Minimum Score: 1 AND ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T)

**HPPE 314. Health Promotion.** 3 hours. This course examines the factors that influence a healthy society: heredity, environment, health care services, and lifestyle choices.

**HPPE 315. PE in Elementary School.** 3 hours. The purpose of this course is to provide the student with an understanding of learning theories, a variety of techniques and methods of teaching elementary physical education, experience in the planning and development of lessons and practical experience in working with elementary physical education students in organized experience in a public school.

Prerequisites: (ED 200 Minimum Grade: C- AND ED 220 Minimum Grade: C- AND HPPE 101 Minimum Grade: C- AND HPPE 141 Minimum Grade: C- AND HPPE 240 Minimum Grade: C- AND HPPE 251 Minimum Grade: C- AND BKCK - Minimum Score: 1) OR (ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T AND HPPE 101 Minimum Grade: T AND HPPE 141 Minimum Grade: T AND HPPE 240 Minimum Grade: T AND HPPE 251 Minimum Grade: T AND BKCK - Minimum Score: 1)

**HPPE 317. PE in Secondary School.** 3 hours. This course is designed to provide pre-professional physical education students to continue to the organizational and content behaviors necessary to become an effective secondary physical educator. Emphasis will be placed on teaching movement concepts, extending and refining motor tasks and providing instructional feedback. This course is a corequisite to HPPE 315-Physical Education in Elementary Schools and HPPE 318, a 45-hour field-based experience lab. HPPE 318 is closely aligned with course requirements and must be taken the same semester as this course.

Prerequisites: (BKCK - Minimum Score: 1 AND ED 200 Minimum Grade: C- AND ED 220 Minimum Grade: C- AND HPPE 101 Minimum Grade: C- AND HPPE 141 Minimum Grade: C- AND HPPE 240 Minimum Grade: C- AND HPPE 251 Minimum Grade: C-) OR (BKCK - Minimum Score: 1 AND ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T AND HPPE 101 Minimum Grade: T AND HPPE 141 Minimum Grade: T AND HPPE 240 Minimum Grade: T AND HPPE 251 Minimum Grade: T)

**HPPE 318. Field-Based PE Lab-Elementary.** 1 hours. The purpose of this field-based experience is to provide the student with an opportunity to practically apply learning theories, a variety of techniques and methods of teaching, experience in the planning and development of lessons and practical experiences at the elementary level in K-12 public school settings.

Prerequisites: (ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T AND HPPE 101 Minimum Grade: T AND HPPE 141 Minimum Grade: T AND HPPE 240 Minimum Grade: T AND HPPE 251 Minimum Grade: T AND BKCK - Minimum Score: 1) OR (BKCK - Minimum Score: 1 AND ED 200 Minimum Grade: C- AND ED 220 Minimum Grade: C- AND HPPE 101 Minimum Grade: C- AND HPPE 141 Minimum

Grade: C- AND HPPE 240 Minimum Grade: C- AND HPPE 251 Minimum Grade: C-)(BKCK - Minimum Score: 1

**HPPE 319. Field-Based PE Lab-Secondary.** 1 hours. The purpose of this field-based experience is to provide the student with an opportunity to practically apply learning theories, a variety of techniques and methods of teaching, experience in the planning and development of lessons and practical experiences at the secondary level in K-12 public school settings.

Prerequisites: (ED 200 Minimum Grade: C- AND ED 220 Minimum Grade: C- AND HPPE 101 Minimum Grade: C- AND HPPE 141 Minimum Grade: C- AND HPPE 240 Minimum Grade: C- AND HPPE 251 Minimum Grade: C- AND BKCK - Minimum Score: 1) OR (ED 200 Minimum Grade: T AND ED 220 Minimum Grade: T AND HPPE 101 Minimum Grade: T AND HPPE 141 Minimum Grade: T AND HPPE 240 Minimum Grade: T AND HPPE 251 Minimum Grade: T AND BKCK - Minimum Score: 1)

**HPPE 324. Tech/Coach Offic Track & Field.** 3 hours. Track and Field. Coaching and training of athletic teams. Special emphasis on recent trends and systems and fundamentals of individual skills. A study and practicum of the rules and mechanics of officiating track and field.

**HPPE 326. Tech/Coach Offic Wrestling.** 3 hours. Wrestling. Coaching and training of athletic teams. Special emphasis on recent trends and systems and fundamentals of individual skills. A study and practicum of the rules and mechanics of officiating wrestling.

**HPPE 327. Tech/Coach Strength Cond.** 3 hours. This course is designed to provide information relative to the basic foundation of coaching sports conditioning including muscle physiology, bioenergetics, training methodology, exercise technique, program design, and facility management. Students will be given the opportunity to develop a general strength coaching philosophy and to demonstrate their knowledge relative to proper lifting techniques demonstrate their knowledge relative to proper lifting and training procedures. Prerequisites: HPPE 329 Minimum Grade: C- OR HPPE 329 Minimum Grade: T

**HPPE 328. Tech/Coach Offic Soccer.** 3 hours. This course is a study of the theory, techniques and practical applications of coaching soccer. Covering the evolution of the game, systems of play used in the modern game as well as the principles of offense and defense and how they are applied to the game of soccer.

**HPPE 329. Exercise Physiology.** 3 hours. This course presents an introduction and overview of the physiological bases of physical education, sport, and athletics. The effects of exercise on the various systems will be considered. Practical application of exercise science to physical fitness and athletic performance will be emphasized.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) )

**HPPE 329L. Exercise Physiology Lab.** 1 hours. This exercise physiology lab class is designed to supplement the exercise physiology lecture course. This course will provide students



with a hands-on experience in which they can apply concepts learned in the classroom to practice in the human performance laboratory and field of exercise, fitness, and sport.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) )

**HPPE 340. Kinesiology.** 3 hours. A focus on the nature of human movement as influenced by those motor factors, anatomical factors, and mechanical principles that apply at rest and in motion.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) ) AND ((HPPE 226 Minimum Grade: C- OR HPPE 226 Minimum Grade: T) OR (HPPE 329 Minimum Grade: C- OR HPPE 329 Minimum Grade: T) )

**HPPE 341. Human Motor Development.** 3 hours. This course is designed to educate HPPE majors in the principles of human motor behavior and its influence on cognitive, affective, and psychomotor development throughout the lifespan. It will introduce students to factors that affect the intellectual, social, emotional, and physical development, growth and maturation of individuals relative to motor acquisition and regression.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) )

**HPPE 350. Methods of Coaching.** 3 hours. This course is intended to provide the foundations of coaching for a person who wants to coach at the youth, elementary, high school or college level. Through a series of discussions, readings, videotaped presentations, internet activities, and guest lectures from coaches in the San Luis Valley, the potential coach will gain the knowledge and skills required to be an effective coach. This course will address the many roles and duties a coach must accept to have the best impact he/she can have on the athlete.

**HPPE 365. Winter Leadership Intensive.** 3 hours. The Winter Leadership Intensive is designed to expose students to winter travel and programming in the Southern San Juan Mountains. The course is an immersion experience divided into 4 sections: Avalanche 1 Certification course (3days), Winter Travel and Camping (2 days), Emergency Response (1 Day), Intro to Ice Climbing Site Management (3 days). This is one of eight courses that build to the Adventure Leadership and Programming Minor. Students enrolled in the course must have previously completed HPPE 261 and 264. Admittance to the course requires instructor approval.

Prerequisites: HPPE 261 Minimum Grade: C- OR HPPE 261 Minimum Grade: T AND HPPE 264 Minimum Grade: C- OR HPPE 264 Minimum Grade: T

**HPPE 369. Motor Learning and Control.** 3 hours. The purpose of the class is to provide students with a scientific foundation regarding how motor skills are learned & controlled as well as methods to research and evaluate motor skills. A review and analysis of neuro-physiological functions and

changes that occur as people learn to move skillfully will lead to the identification of instructional strategies and appropriate practice organizations to enhance learning and the proficiency of movements.

Prerequisites: (BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T)(BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T)

**HPPE 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**HPPE 392. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HPPE 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HPPE 410. Economics of Sport.** 3 hours. This course explores how principles of economics can be usefully applied to help better understand the world of sport (athletes, games, leagues, organizations, etc.). Through lecture, readings, video, and classroom assignments, students will learn about the economics of industrial organization, public finance, and labor markets as they relate to athletes, sport, and sport organizations.

Prerequisites: (HPPE 100 Minimum Grade: C- AND BUS 103 Minimum Grade: C- AND ECON 256 Minimum Grade: C-) OR (HPPE 100 Minimum Grade: T AND BUS 103 Minimum Grade: T AND ECON 256 Minimum Grade: T)

**HPPE 420. Ethics in Sport Management.** 3 hours. This course explores the myriad of moral and ethical issues pertaining to athletes, sports, and sport organizations and how these apply to professionals in the field of sport management. Current examples of ethical dilemmas in sport and sport management will be presented and students will explore their personal ethics in relation to these issues.

Prerequisites: (BUS 103 Minimum Grade: C- AND HPPE 100 Minimum Grade: C-) OR (BUS 103 Minimum Grade: T AND HPPE 100 Minimum Grade: T) OR (BUS 103 Minimum Grade: C- AND HPPE 100 Minimum Grade: C-)

**HPPE 422. Exercise Eval & Fitness Manage.** 3 hours. This course is designed to familiarize students with the current methods used to determine levels of fitness in apparently healthy individuals, as well as individuals from special populations. Students will learn how to prescribe exercise for these individuals based on their fitness evaluation, basic training principles and other considerations. Students will be given the opportunity to test various individuals within specific testing parameters, and apply course knowledge to practical situations.

Prerequisites: HPPE 329 Minimum Grade: C- AND HPPE 340 Minimum Grade: C- OR (HPPE 329 Minimum Grade: T AND HPPE 340 Minimum Grade: T)

**HPPE 429. Advanced Exercise Physiology.** 3 hours. This course involves the advanced study of the various physiological systems involved in exercise, fitness and sport. The effects of exercise on these systems will be investigated. Practical application of exercise science knowledge and

research to physical fitness and athletic performance will be emphasized.

Prerequisites: (HPPE 329 Minimum Grade: C- AND HPPE 329L Minimum Grade: C-) OR (HPPE 329 Minimum Grade: T AND HPPE 329L Minimum Grade: T)

**HPPE 430. Biomechanics.** 3 hours. This course will involve the study of the mechanical principles and factors that influence human movement. Students will develop an understanding of the biomechanical principles to human movement.

Prerequisites: (HPPE 340 Minimum Grade: C- AND HPPE 329 Minimum Grade: C- AND HPPE 329L Minimum Grade: C-) OR (HPPE 340 Minimum Grade: T AND HPPE 329 Minimum Grade: T AND HPPE 329L Minimum Grade: T)

**HPPE 433. Intl Perspectives of Spt Mgmt.** 3 hours. This course will provide students with an understanding of the major concepts, trends, and critical issues in international sport management. Students will explore different international approaches to sport management which will involve comparing the policies, structure and governance of sport in various countries and identifying the challenges and good practices associated with different international approaches.

Prerequisites: (HPPE 100 Minimum Grade: C- AND BUS 103 Minimum Grade: C-) OR (HPPE 100 Minimum Grade: T AND BUS 103 Minimum Grade: T)

**HPPE 436. Applied Sport Psychology.** 3 hours. This course focuses on the practice of sport psychology. The course will review the significance of relevant psychological concept, and develop students' knowledge and skills relevant for applied sport psychology. Students will explore and experience the process of learning, developing and practicing techniques used to improve the athletic performance of individuals, groups, and teams.

Prerequisites: HPPE 190 Minimum Grade: C-

**HPPE 438. Soc Aspects of Sports and PE.** 3 hours. This course is designed to introduce students to the sociological aspects of sport and encourage students to ask questions and think critically about sports as parts of social life. It is intended for those students taking their first look at sports from a sociological perspective.

**HPPE 440. Organization/Admin of PE.** 3 hours. This is a course in organization and administration. This course offers a solid effectively develop their leadership, decision making, organizational, and management skills for their role in the physical education/sport field. This course focuses on the administration of physical education and sport in the educational setting.

**HPPE 448. Adapted Physical Activity.** 3 hours. This course is designed to introduce students to legal issues and current trends in instruction and programming in adapted physical education. Emphasis will be placed on developing knowledge of various disabling conditions, potential modifications, and placement alternatives in the physical education setting. Instruction will focus on inclusion of students with special needs in the general physical education program and the acquisition of lifetime physical activity skills.

Prerequisites: BKCK - Minimum Score: 1 AND (HPPE 341 Minimum Grade: C- OR HPPE 341 Minimum Grade: T) AND

((BIOL 112 Minimum Grade: C- OR BIOL 112 Minimum Grade: T) OR ((BIOL 205 Minimum Grade: C- OR BIOL 205 Minimum Grade: T) AND (BIOL 206 Minimum Grade: C- OR BIOL 206 Minimum Grade: T) ) )

**HPPE 450. Sr Seminar in HPPE.** 2 hours. This course is designed as a culminating experience for HPPE majors. The focus of the course will be on integrating prior coursework content knowledge into practical applications and further professional development. A service-learning experience, resource/research project, and a professional portfolio will be required for all students in this course.

Prerequisites: BKCK - Minimum Score: 1

**HPPE 468. Mountaineering Capstone Exp.** 3 hours. The Mountaineering Capstone Experience is designed as the culminating course of the Adventure Leadership and Programming minor. In the first half of the course, students learn the skills necessary to travel effectively in high angle terrain on snow and ice in the mountain environment (6 days). In the second half, students bring all of their learning from the minor together to design and lead a 5 day expedition. This experience provides the final challenge of the ALP minor allowing students to demonstrate their competencies.

**HPPE 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**HPPE 480. Coaching Practicum.** 3 hours. In this course the student will gain actual field based experience in coaching. This course will give the student an opportunity to gain documented experience as a coaching intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites: HPPE 350 Minimum Grade: C- OR HPPE 350 Minimum Grade: T

**HPPE 484. Exercise Science Practicum.** 3 hours. In this course the student will gain actual field based experience in the exercise science field. This course will give students the opportunity to gain documented experience as an exercise science intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites: (HPPE 329 Minimum Grade: C- AND HPPE 422 Minimum Grade: C-) OR (HPPE 329 Minimum Grade: T AND HPPE 422 Minimum Grade: T)

**HPPE 485. Sport Management Practicum.** 3 hours. In this course the student will gain actual field based experience in the sport management field. This course will give students an opportunity to gain documented experience as a sport management intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites: HPPE 305 Minimum Grade: C- OR HPPE 305 Minimum Grade: T

**HPPE 486. Sport Psychology Practicum.** 3 hours. In this course the student will gain actual field based experience in the sport psychology field. This course will give students an opportunity to gain documented experience as a sport psychology intern, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites: HPPE 190 Minimum Grade: C- OR HPPE 190 Minimum Grade: T

**HPPE 487. Sports Studies Practicum.** 3 hours. In this course the student will gain actual field based experience in the sports studies area. This course will give students the opportunity to gain documented experience as a sport studies intern in a sport related business environment, apply the skills developed during his/her undergraduate program, and reflect on his/her experiences.

Prerequisites: HPPE 100 Minimum Grade: C- OR HPPE 100 Minimum Grade: T

**HPPE 492. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**HPPE 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**HPPE 503. Introduction to Research.** 3 hours. This is an introductory research course for graduate students focusing on the area of physical education and human performance. Participants will develop an understanding of the purpose and importance of research in this specific area, overview basic elements of quantitative, qualitative, mixed methods, and action research methods, enhance skills to evaluate and critique problem statement for a specific research study, and gain an appreciation for conducting research.

**HPPE 504. Methods of Coaching.** 3 hours. This course focuses on the foundations of coaching any sport at all levels. Students will have the opportunity to develop a personal coaching philosophy that will encompass ethical and professional expectations in the field of coaching. Instructional and theoretical techniques will be used to show effective coaching strategies, behavioral issues, and personal roles of coaches to enhance or increase athletic performance. This course will also focus on the differences between levels in competitive sports, including youth programs, interscholastic, intercollegiate levels.

**HPPE 505. Sports Marketing&Public Relation.** 3 hours. This course prepares students with the tools needed to develop effective marketing and public relations strategies for sports and athletic programs. Topics such as marketing, advertising, public relations strategies, consumer behavior, licensing, and sponsorships will be explored.

**HPPE 509. Concepts in Exercise Science.** 3 hours. This introductory graduate course is designed to provide information relative to major concepts in exercise science, including bioenergetics and metabolism, neuromuscular and cardiorespiratory physiology, anatomy and mechanics of human movement, sport nutrition and body composition, and environmental considerations. These concepts will be applied to exercise and sport training and performance.

**HPPE 511. Curriculum in Health and PE.** 3 hours. This course studies the principles underlying curriculum construction in the field of health and physical education.

**HPPE 520. Administration of Sport.** 3 hours. This course focuses on the management aspects of sport. It includes all aspects of organizational development, ethics, diversity, legal aspects, economics and finances, marketing, and human resources as they relate to athletics.

**HPPE 523. Diversity in Sport.** 3 hours. This course is designed to present various principles underlying diversity issues within the sport realm.

**HPPE 525. Facilities/Event Management.** 3 hours. This course introduces graduate students to the discipline of facility and event management as they relate to the sport, recreation, and leisure industries. Key topics will include planning, designing, managing, scheduling, maintaining, and supervising sport facilities. In addition, students will become familiar with the techniques and strategies needed to plan, promote, manage, and evaluate special sport and sport-related events.

**HPPE 527. Sport Law.** 3 hours. This course is designed to provide the student with an understanding of the legal issues involved in supervision, management, and conduct in sport and recreation.

**HPPE 529. Physiology of Exercise.** 3 hours. An advanced overview of the physiological basis of physical education and athletics. The effects of exercise on various systems will be considered. Practical application of exercise science to physical fitness and athletic training and performance will be emphasized.

Prerequisites: HPPE 530 Minimum Grade: B-

**HPPE 530. Human Performance Lab.** 3 hours. The Human Performance Lab Internship in the department of HPPE is a planned, meaningful work experience. The primary purpose of the human performance lab internship is to allow students the opportunity for hands-on use of various methods of and equipment for exercise/ fitness testing, and to work directly with test subjects so that he/ she is able to apply some of the principles learned in the Physiology of Exercise course.

Prerequisites: HPPE 529 Minimum Grade: B

**HPPE 532. Facilities in PE/Athletics.** 3 hours. This course is designed to provide information necessary to intelligently plan, design, equip, and finance physical education and sports related facilities.

**HPPE 534. Supervision of HPPE.** 2 hours. Designed to introduce students to the area of supervision and the techniques and strategies available to the supervisors of HPPE and athletics.

**HPPE 536. Sport Psychology.** 3 hours. A study of the fundamental concepts, science and theory in sport psychology and the implications for effective teaching and coaching related to this knowledge.

**HPPE 538. Social Aspects of Sport & PE.** 3 hours. A course in the sociological aspects of sports: It is designed to provide a sound introduction to the sociology of sport and to encourage students to ask questions and think critically about sports as a part of social life.

**HPPE 539. Strength and Conditioning.** 3 hours. This course is designed to provide information relative to the basic foundation of coaching sport conditioning including muscle physiology, bioenergetics, training methodology, exercise technique, program design, and facility management. Students will be given the opportunity to develop a general strength training program for a specific sport and to demonstrate their knowledge relative to proper lifting techniques and training procedures.

Prerequisites: HPPE 509 Minimum Grade: C

**HPPE 540. Biomechanics.** 3 hours. This course will involve the study of the anatomical and mechanical principles underlying human movement. Practical application of biomechanical principles in human movement and various sport activities will be emphasized.

**HPPE 543. Stat Methods/Hman Perfmnc/PE.** 3 hours. This course is designed as an introduction of the statistics used in measurement and evaluation, and provides opportunities for students to analyze current research in human performance and physical education.

Prerequisites: HPPE 503 Minimum Grade: B OR HPPE 503 Minimum Grade: B

**HPPE 544. History/Philosophy of PE&Sport.** 3 hours. This course provides the graduate HPPE student with an overview of the philosophical and historical trends that continue to influence today's thinking on the role of physical education and sport. Students will develop and debate philosophical issues related to their own professional orientations.

**HPPE 545. Exercise and Sport Nutrition.** 3 hours. An advances study of nutrition as it applies to exercise and sport. Application of nutrition practices to health, fitness and performance will be explored, as well as issues of supplementation, drug abuse, weight loss/gain strategies, and metabolic nutritional requirements for a variety of sports and exercising individuals.

Prerequisites: HPPE 529 Minimum Grade: B

**HPPE 550. Applied Sport Psychology.** 3 hours. This course builds on the science and theory covered in 536 while focusing on application in practice. This course will focus on the scientist-practitioner model. There will be an emphasis on learning the various mental skills applied to teaching athletes, coaches and teams; such as focus, composure, confidence, resiliency, quality practice, well-being, visualization, mastery and team cohesion.

Prerequisites: HPPE 536 Minimum Grade: B-

**HPPE 556. Strtgc Mngmnt&Ldership in Sprt.** 3 hours. This course will provide a detailed overview of strategic management and leadership with an emphasis on the management of sport organizations in the commercial, public and not for profit sectors. This course will enable learners to evaluate the relevance of distinctive strategic management tools and consider how these can be applied to support the development of effective sport and sport-related organizations. Students also will examine the principles of effective leadership and reflect on their personal leadership style, the skills and competencies that support the style as well as examining plans for personal and professional development.

Prerequisites: BUS 500 Minimum Grade: C

**HPPE 560. Mental Strgth and Conditiong.** 3 hours. This graduate course focuses on advanced techniques and practices of mental strength and conditioning and explores evidence based practices in mental training. Effective coaching strategies, behavioral issues, and personal roles of mental strength coaches that enhance athletic performance will be discussed. This course will focus on the differences between levels in competitive sports, including youth programs, interscholastic, and intercollegiate levels.

Prerequisites: HPPE 536 Minimum Grade: B- AND HPPE 550 Minimum Grade: B-

**HPPE 579. Special Topics.** 1 hours. Offered periodically to meet student special interest in the field.

**HPPE 580. Field Study in HPPE.** 3 hours. Formal study of program administration designed to acquaint the graduate student with the program philosophy, budgeting procedure and philosophy, scheduling and legal aspects of program administration.

**HPPE 581. Case Stds Applied Sprt Psych.** 3 hours. This course explores concepts in applied sport psychology through the use of case studies to practice applying sport psychology in real life scenarios. This course will focus on case studies from different aspects of competitive sport, including youth, interscholastic, intercollegiate and professional/national levels. This course will also highlight experts in the field of applied sport psychology and their methods of practice.

Prerequisites: (HPPE 536 Minimum Grade: B- AND HPPE 550 Minimum Grade: B- AND HPPE 560 Minimum Grade: B-)

**HPPE 585. Practicum in HPPE.** 3 hours. The practicum is designed to provide a structured practical experience for which the student is preparing. The assignment must be under the supervision of a qualified professional. The practicum is designed to provide the graduate student an actual field-based experience in a health, physical education, recreation, or athletic environment. The experience should give the student the opportunity to work with a working professional while enhancing and expanding the skills developed during their undergraduate and graduate programs. The practicum will consist of a minimum of 150 hours. Completion of at least 18 graduate HPPE credits are also required prior to course registration.

Prerequisites: HPPE 503 Minimum Grade: C AND HPPE 543 Minimum Grade: C

**HPPE 590. Capstone in Coaching.** 3 hours. This graduate course is designed as a culminating experience for the coaching emphasis Master of Arts degree. The focus of this course is on the management behaviors necessary to become an effective coach at all levels of athletics. Emphasis will be placed on sport psychology, sociological issues in sport, specific sport disciplines, training techniques, and assessment in the coaching process.

Prerequisites: HPPE 503 Minimum Grade: C AND HPPE 509 Minimum Grade: C AND HPPE 520 Minimum Grade: C AND HPPE 527 Minimum Grade: C AND HPPE 536 Minimum Grade: C AND HPPE 538 Minimum Grade: C AND HPPE 539 Minimum Grade: C AND HPPE 543 Minimum Grade: C AND HPPE 585 Minimum Grade: C AND HPPE 585 Minimum Grade: B

**HPPE 591. Thesis Proposal.** 3 hours. This course represents the first part of a two-part culminating experience for the graduate student in Human Performance and Physical Education (HPPE). It is intended that his course will provide a practical and thorough experience working through a professionally designed research project. Completion of at least 18 graduate HPPE credits are also required prior to course registration.

Prerequisites: HPPE 503 Minimum Grade: C AND HPPE 543 Minimum Grade: C

**HPPE 593. Master's Thesis.** 3 hours. This course constitutes the second part of a two-part culminating experience for the graduate student in the area Human Performance and Physical Education (HPPE). This course will provide a practical and thorough experience working through a professionally designed research project. It is a continuation of the thesis proposal and includes an oral defense of the Master's Thesis. This course is to be taken in the student's last semester at ASU. Completion of at least 18 graduate HPPE credits are also required prior to course registration.

Prerequisites: HPPE 503 Minimum Grade: C AND HPPE 543 Minimum Grade: C

**HPPE 596. Capstone Project.** 3 hours. Designed to integrate coursework into a capstone experience. It is an applied research course requiring students to utilize the tools and information from all of the student's coursework into a timely, useful capstone project in cooperation with their district, school, or professional needs.

Prerequisites: HPPE 503 Minimum Grade: C AND HPPE 543 Minimum Grade: C

**HPPE 599. Individual Study.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**ID 179. Selected Topics.** .5 TO 6 hours. Offered periodically to meet student special interests in the field.

**ID 199. Independent Study.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 279. Selected Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**ID 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 299. Individual Study.** 1 TO 16 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 379. Selected Topics.** 1 TO 11 hours. Offered periodically to meet student special interests in the field.

**ID 392. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 399. Interdivisional.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 479. Selected Topics.** 1 TO 4 hours. Offered periodically to meet student special interests in the field.

**ID 492. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**ID 579. Selected Topics.** 0 TO 4 hours. Offered periodically to meet student special interests in the field.

**ID 592. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**ID 599. Independent Study.** 0 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**IT 151. Productivity Software Appln Assmnt.** 1 hours. This course is a study and review of productivity software. The productivity software should be a current Microsoft Office product. The focus of the course is to explore application software on a comprehensive level to gain expertise needed to support decision-making and manage information. Study includes word processing, spreadsheet applications, presentation and database applications.

**IT 152. Practical Unix.** 2 hours. A practical introduction to using the Unix operating system with a focus on Linux command line skills. Topics include: grep and regular expressions, ZSH, Vim and Emacs, basic and advanced GDB features, permissions, working with the file system, revision control, Unix utilities, environment customization, and creating and executing shell scripts. Topics may be added, given sufficient interest.

**IT 179. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interest in the field.

**IT 240. Information Assurance/Security.** 3 hours. This course is an introductory class on information assurance and security including topics like cyber security, web security, network security, platform security, cryptography, defensive programming, threats and attacks, digital forensics, etc. It contains a lab component, where students will get an opportunity to conduct different security based hands-on activities and will gain an understanding of actual security issues.

Prerequisites: (CSCI 104 Minimum Grade: C-) OR (CSCI 104 Minimum Grade: T)

**IT 253. Platform Tech/System Admin.** 3 hours. IT professionals will encounter a variety of platforms in their careers. The role of the IT professional is to select, deploy, integrate and administer platforms or components to support the organization's IT infrastructure. This course includes the fundamentals of hardware and software and how they integrate to form essential components of IT systems. The course consists of those skills and concepts that are essential to the administration of operating systems, networks, software, file systems, file servers, web systems, database systems, and system documentation, policies, and procedures. This also includes education and support of the users of the systems.

Prerequisites: MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T

**IT 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interest in the field.

**IT 345. System Integration/Architectur.** 3 hours. One of the roles of the IT professional is to design and build systems and integrate them into an organization. This course develops advanced skills to gather requirements, then source, evaluate and integrate components into a single system, and finally validate the system. It also covers the fundamentals of project

management and the interplay between IT applications and organizational processes.

Prerequisites: (IT 253 Minimum Grade: C-) OR (IT 253 Minimum Grade: T)

**IT 355. System Admin/Maintenance.** 3 hours. The role of the IT professional is to design, select, apply, deploy and manage computing systems to support the organization. This course consists of exploring in depth the skills and concepts that are essential to the administration of operating systems, networks, software, file systems, file servers, web systems, database systems, and system documentation, policies, and procedures. This also includes education and support of the users of these systems.

Prerequisites: (MATH 106 Minimum Grade: C- AND IT 253 Minimum Grade: C-) OR (MATH 106 Minimum Grade: T AND IT 253 Minimum Grade: T)

**IT 379. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interest in the field.

**IT 446. Project Mgmt/Sys Analsis/Desgn.** 3 hours. The purpose of this course is to prepare students to plan, organize, lead, participate in, control, and improve projects that will benefit their organizations. In addition, this course discusses Systems Analysis and Design. Project management topics include project management concepts, needs identification, the project manager, teams, project communications, project planning, scheduling, control, and cost performance. Systems analysis topics include analyzing the business case, requirements modeling, data and process modeling, and development strategies. Students also learn about output and user interface design, data design, systems architecture and implementation, and systems operation, support and security. Project management software tools will be an integral part of the course.

Prerequisites: (MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C- AND CSCI 205 Minimum Grade: C- AND IT 345 Minimum Grade: C- ) OR (MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: T AND CSCI 205 Minimum Grade: T AND IT 345 Minimum Grade: T)

**IT 479. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interest in the field.

**JAPN 103. Beginning Japanese.** 3 hours. This course will cover fundamental principles of the Japanese language, including pronunciation, basic grammar and vocabulary, and kana, (katakana & hiragana) writing. The course will also introduce students to Japanese culture, including calligraphy.

**JAPN 104. Intermediate Japanese.** 3 hours. This course continues the development of skills introduced in JAPN 103. Students will study and practice the key structures of Japanese sentences and practice them in conversation as well as writing, employing the Japanese writing systems (kana conversation as well as writing, employing the Japanese and kanji).

Prerequisites: JAPN 103 Minimum Grade: D OR JAPN 103 Minimum Grade: T

**JAPN 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**JAPN 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of

special interest in the field. By faculty permission and approval of the department chair.

**JAPN 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interest in the field.

**JAPN 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**JAPN 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**JAPN 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**JAPN 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**JAPN 599. Independent Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**JOUR 165. Intro to Digital Filmmaking.** 3 hours. Course covers the aesthetics and practice of narrative, documentary, and experimental media production at an introductory level using a variety of digital filmmaking tools including digital photography, digital video, audio recorders, and editing software. Students will complete video products they can post to YouTube and similar sites.

**JOUR 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**JOUR 190. Radio Practicum.** 1 TO 3 hours. Students earn one credit hour for every three hours of work weekly on KASF-FM or its web site. See station manager for details.

**JOUR 192. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**JOUR 195. Video Practicum.** 1 TO 3 hours. Students earn one credit per three videos (or equivalent work) that they produce for the student-run Grizzly Video Productions (YouTube channel and Campus Cable Channel 5). Please see the Grizzly Video Productions faculty adviser or the student GVP General Manager for further details.

**JOUR 197. Newspaper Practicum.** 1 TO 3 hours. Students earn one credit per five stories of 500 words apiece or pre-approved substitutions that they write for the Paw Print. Students should write on a variety of topics. Also required is the attendance of three newspaper staff meetings per credit registered. Please see the newspaper faculty adviser or the student editor for further details.

**JOUR 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**JOUR 255. Fundamentals of Media Comm.** 3 hours. Students will examine how media have both formed and been formed by culture, business, politics and society. The links between media production and content, politics, economics, and social development will be explored. Students will develop a sophisticated understanding of media. Media surveyed will

include film, television, print, sound and video recording, Internet, advertising and public relations.

Prerequisites: ENG 102 Minimum Grade: C- OR ENG 102 Minimum Grade: T

**JOUR 275. Basic Media Writing.** 3 hours. The fundamentals of news reporting are developed with the aid of word processing computer software. The principal concepts of this course apply to all news media. Instructor permission may be obtained if prerequisite has not been met.

Prerequisites: ENG 102 Minimum Grade: C- OR ENG 102 Minimum Grade: T

**JOUR 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interest in the field.

Prerequisites: JOUR 285 Minimum Grade: C

**JOUR 285. Digital Media Production.** 3 hours. Teaches skills needed to produce effective digital media in print, audio, and video formats. Students are encouraged to take this course concurrently with newspaper, radio, and/or video practicum.

Prerequisites: JOUR 275 Minimum Grade: C- OR JOUR 275 Minimum Grade: T

**JOUR 292. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**JOUR 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**JOUR 327. World Wide Web.** 3 hours. The primary emphasis of this course is the hands-on production of interactive, multimedia web pages through the development of basic writing, design, and coding skills. Some emphasis on the critical analysis of the web as a cultural force. Instructor permission may be obtained if the prerequisite has not been met.

Prerequisites: JOUR 275 Minimum Grade: C- OR JOUR 275 Minimum Grade: T

**JOUR 340. Advanced Media Writing.** 3 hours. This course builds on the knowledge gained in JOUR 275, focusing on advanced writing skills in feature writing, broadcast writing, screenwriting, Op/Ed and commentary, and investigative reporting.

Prerequisites: (JOUR 275 Minimum Grade: C- AND ENG 102 Minimum Grade: C- AND JOUR 255 Minimum Grade: C-) OR (JOUR 275 Minimum Grade: T AND ENG 102 Minimum Grade: T AND JOUR 255 Minimum Grade: T)

**JOUR 346. Photojournalism.** 3 hours. This course covers the fundamentals of news photography, photo spread design, and photojournalism ethics. Students use digital cameras to photograph news subjects and events. It is recommended that students have access to a digital camera by the second week of classes. Instructor permission must be obtained to register for this course.

Prerequisites: JOUR 275 Minimum Grade: C- OR JOUR 275 Minimum Grade: T

**JOUR 350. Media Theory and Criticism.** 3 hours. The purpose of this course is for students to explore foundational theories of mass communication: behaviorism, propaganda theory, public opinion formation, social responsibility theory,

limited effects theory, and other contemporary theories of media. Contributions from Littman, McLuhan, and Chomsky will be analyzed and discussed to provide students with multiple frameworks for analyzing media usage, effects, and contributions.

Prerequisites: JOUR 285 Minimum Grade: C- OR JOUR 285 Minimum Grade: T

**JOUR 360. Media Management.** 3 hours. Students learn how to manage and motivate news staff, how to deal with criticism from within and without the organization, and how to unite diverse elements into a cohesive whole. Strongly recommended for candidates for media management positions on campus.

Prerequisites: JOUR 275 Minimum Grade: C- OR JOUR 275 Minimum Grade: T

**JOUR 365. Intermediate Digital Film.** 3 hours. Course covers the aesthetics and practice of narrative, documentary, and experimental media production at an intermediate level using a variety of digital filmmaking tools including digital photography, digital video, audio recorders, and editing software. Students will complete video products they can post to YouTube and similar sites.

Prerequisites: JOUR 165 Minimum Grade: C- OR JOUR 165 Minimum Grade: T

**JOUR 370. Newspaper and Magazine Editing.** 3 hours. Students use computer desktop publishing software to edit, write headlines, scan photos, and design pages for newspaper and management publications. The will cover the basic production principles applicable to newspapers and magazines. Students will apply their newly learned skills through the production of classroom publications. Instructor permission must be obtained to register for this course.

Prerequisites: JOUR 275 Minimum Grade: C- OR JOUR 275 Minimum Grade: T

**JOUR 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**JOUR 380. Public Relations.** 3 hours. Introduces students to the theory and practice of public relations. Students will spend time analyzing public relations endeavors and the industry of public relations. Students will examine current practices and the history of the industry, conduct their own PR activities, and critically engage with PR.

Prerequisites: JOUR 255 Minimum Grade: C- OR JOUR 255 Minimum Grade: T

**JOUR 385. Video Production I.** 3 hours. This course is designed to introduce students to the world of broadcast writing, reporting, and production primarily for television news. Working together in small groups, students will write and produce TV newscasts, public service announcements, and other broadcast projects.

Prerequisites: (ENG 102 Minimum Grade: C- AND JOUR 255 Minimum Grade: C- AND JOUR 275 Minimum Grade: C-) OR (ENG 102 Minimum Grade: T AND JOUR 255 Minimum Grade: T AND JOUR 275 Minimum Grade: T)

**JOUR 390. Advanced Radio Practicum.** 1 TO 3 hours. Students earn one credit hour for every three hours of work weekly at KASF-FM or its web site. See station manager for

details. Must have at least three credits of JOUR 290 in order to enroll.

Prerequisites: JOUR 290 Minimum Grade: C- OR JOUR 290 Minimum Grade: T

**JOUR 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**JOUR 395. Advanced Video Practicum.** 1 TO 3 hours. Students earn one credit per three videos (or equivalent work) that they produce for the student-run Grizzly Video Productions (YouTube channel and Campus Cable Channel 5). Please see the Grizzly Video Productions faculty adviser or the student GVP General Manager for further details.

**JOUR 397. Advanced Newspaper Practicum.** 1 TO 3 hours. Students earn one credit per five stories (of 800 words apiece, or pre-approved substitutions) that they write for the South Coloradan. Students should write on a variety of topics. Also required is the attendance of three newspaper staff meetings per credit registered. Please see the newspaper faculty adviser or the student editor for further details. Must have a least three credits of JOUR 297 in order to enroll.

Prerequisites: (JOUR 275 Minimum Grade: C- OR JOUR 275 Minimum Grade: T) AND (JOUR 297 Minimum Grade: C- OR JOUR 297 Minimum Grade: T)

**JOUR 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**JOUR 425. Mass Comm Research Methods.** 3 hours. This course focuses on quantitative and qualitative methods of researching for both journalists and those interested in scholarly mass communications research.

Prerequisites: (ENG 102 Minimum Grade: C- AND JOUR 255 Minimum Grade: C- AND JOUR 275 Minimum Grade: C-) OR (ENG 102 Minimum Grade: T AND JOUR 255 Minimum Grade: T AND JOUR 275 Minimum Grade: T)

**JOUR 457. Media Law & Ethics.** 3 hours. Explores timely controversies that involve the journalist in a society where media ethics are constantly questioned by the public.

**JOUR 479. Special Topics.** 1 TO 12 hours. Offered periodically to meet student special interests in the field.

**JOUR 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**JOUR 495. Communications Senior Capstone.** 3 hours. This course is designed to be the academic capstone experience for all students who are majoring in English with an emphasis in Communication and to prepare students for a career in the media industry and/or for graduate studies in the field. Subject matter will vary depending upon the instructor's specialization or area of interest. All seminar students will conduct a major research project that reflects the student's mastery of library usage, research methodology, breadth of knowledge, critical thinking, and writing ability.

**JOUR 496. Communication Internship.** 3 hours. Involves the advanced communication student in a pre-employment situation designed to allow application of subject knowledge in a professional setting.

Prerequisites: JOUR 275 Minimum Grade: D OR JOUR 275 Minimum Grade: T

**JOUR 499. Individual Studies.** 1 TO 13 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**JOUR 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**JOUR 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**JOUR 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Head.

**LLC 420. Language Acquisition.** 3 hours. Theory, research, and implications for practice of first and second language acquisition, and related cognitive development, are studied. The differences between a constructivist and behaviorist view of literacy, and implications for developing academic language skills in the content area are emphasized.

**LLC 510. Lit/Lang/Culture Foundations.** 3 hours. Participants will examine issues in our society and education system that impact the students whose language is other than English. Participants will explore cultural, societal, and personal beliefs related to linguistic and cultural diversity. Topics will include curriculum, relevance, assessment, legal history, Eurocentric dispositions toward diversity, demographics, language varieties, program and classroom alternatives, and strategies for supporting language minority students.

**LLC 516. Multicultural Narrat/Ed Reform.** 3 hours. This course is situated in the sociopolitical context of multicultural education and focuses on narratives from various racial/ethnic, linguistic, and gendered groups. The course will investigate the role of narrative in educational change and the relationship of stories to theory. Aspects of identity that affect self-esteem and self-concept, such as multiple roles, expectations, gender differences, importance of role models, and the concept of the "other" will be explored. This course is designed to study the interaction of one's self and attributed group identity through the study of first person narratives."

**LLC 520. Language Acquisition.** 3 hours. Theory, research, and implications for practices of first and second language acquisition, and cognitive development are studied. The differences between constructivist and behaviorist learning theory and the relationship to social-cognitive theories of language acquisition, both oral and written, are emphasized. Prerequisites: LLC 510 Minimum Grade: C

**LLC 530. Theory to Practice.** 3 hours. This course focuses on current educational research/models of Bilingual/ESL education. These models will be evaluated in relation to the students' knowledge of first and second language acquisition, both oral and written, and learning. Adult-child interactions, learning materials, learning environments, and curricula at the support of successful learning and language acquisition will be examined. Students will self-examine their own practices in their relation to team-teaching relationships, responsibilities of



certified and non-certified staff, portfolio assessment for two-language students, and the development of authentic partnerships with parents.

Prerequisites: LLC 510 Minimum Grade: C AND LLC 520 Minimum Grade: C

**LLC 535. Internship - Elementary.** 6 hours. This course provides a student internship experience in Bilingual and/or ESL settings at different levels. The internship class will meet weekly for peer coaching and mentoring with the instructor and other interns. Participants will prepare a written action research project report. Mentor teachers with strong professionally prepared backgrounds in bilingual education or ESL will provide sites for the internships. Students will teach lessons as part of the internship requirements.

Prerequisites: LLC 510 Minimum Grade: C AND LLC 520 Minimum Grade: C AND LLC 530 Minimum Grade: C

**LLC 545. Internship - Secondary.** 6 hours. This course provides a student internship experience in Bilingual and /or ESL settings at different levels. The internship class will meet weekly for peer coaching and mentoring with the instructor and other interns. Participants will prepare a written action research project report. Mentor teachers with strong professionally prepared backgrounds in bilingual education or ESL will provide sites for the internships. Students will teach lessons as part of the internship requirements.

Prerequisites: LLC 510 Minimum Grade: C AND LLC 520 Minimum Grade: C AND LLC 530 Minimum Grade: C

**LLC 555. Internship - K-12.** 6 hours. This course provides a student internship experience in Bilingual and/or ESL settings at different levels. The internship will meet weekly for peer coaching and mentoring with the instructor and other interns. Participants will prepare a written action research project report. Mentor teachers with strong professionally prepared backgrounds in bilingual education or ESL will provide sites for the internship. Students will teach lessons as part of the internship requirements.

Prerequisites: LLC 510 Minimum Grade: C OR LLC 510 Minimum Grade: C- AND LLC 520 Minimum Grade: C OR LLC 520 Minimum Grade: C- AND LLC 530 Minimum Grade: C OR LLC 530 Minimum Grade: C-

**LLC 579. Special Topics.** 0 TO 5 hours. Offered periodically to meet student special interests in the field.

**LLC 592. Workshops.** 0 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**LLC 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**LS 225. Research Skills/Behavior Sci.** 1 hours. In this one-credit course, Sociology and Psychology majors will learn how to and use a variety of print and electronic resources specific to their discipline. Understanding the process of writing a literature review is the emphasis of the course.

**LS 251. Information Literacy.** 2 hours. In this ten-week course, students will find, evaluate and use a variety of print and electronic sources located in and beyond the ASU Library. Building resource lists for the academic or professional work is the emphasis of the class.

**LS 451. Information Literacy.** 2 hours. In this ten-week course, students will find, evaluate and use a variety of print and electronic sources located in and beyond the ASU Library. Building resource lists for academic or professional work is the emphasis of the class.

**LS 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission.

**MATH 095. Pre-Algebra Skills.** 3 hours. Numeration, operations on whole numbers, factoring, prime numbers, arithmetic operations, decimal numerals, percent, measures, ratios and proportion, and averages. Course is graded on an S/U basis and does not provide credit toward bachelor's degrees.

**MATH 097. Basic Algebra Skills.** 3 hours. The content of this course focuses on linear equations, linear inequalities, linear functions, linear graphs, and applications. Also included are reviews of rational numbers, exponents, powers, and scientific notation. Non-linear functions are introduced. All topics are approached from multiple directions integrating basic skills, word problems, practical applications, modeling, and calculator use. Course is graded on an S/U basis and does not provide credit towards Bachelor's or Associate's degrees.

Prerequisites: MATH 095 Minimum Grade: S OR ACMA - Minimum Score: 040 OR MAPT - Minimum Score: 11 OR MATH 095 Minimum Grade: T OR MATH 095 Minimum Grade: S OR ALEK - Minimum Score: 014

**MATH 099. Intermediate Algebra.** 3 hours. This course covers a review of linear equations, inequalities, functions, and graphs, as well as systems of linear equations before moving on to focus on quadratic equations, functions, and graphs. In addition, students will receive an introduction to powers, radicals, exponential functions and logarithms. Course is graded on a pass/fail basis and does not provide credit towards Bachelor's or Associates degrees.

Prerequisites: MATH 097 Minimum Grade: S OR MAPT - Minimum Score: 20 OR ACMA - Minimum Score: 055 OR A02 - Minimum Score: 19 OR MATH 097 Minimum Grade: T OR MATH 097 Minimum Grade: S OR ALEK - Minimum Score: 030 OR ALEK - Minimum Score: 030

**MATH 104. Finite Mathematics GT-MA1.** 3 hours. Topics covered include functions and their graphs, matrices, linear programming, probability, and descriptive statistics. Applications are presented from the areas of biology, business, behavioral sciences, economics, and the social sciences.

Prerequisites: MATH 099 Minimum Grade: S OR MATH 097 Minimum Grade: S-C OR MAPT - Minimum Score: 23 OR S02 - Minimum Score: 440 OR A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: S OR MME - Minimum Score: 1 OR ALEK - Minimum Score: 030

**MATH 106. College Algebra GT-MA1.** 3 hours. An introduction to the basic techniques of algebra. Topics include functions (linear, quadratic, polynomial, root, rational, exponential, and logarithmic), systems of equations, matrix algebra, inequalities, and complex numbers. Optional topics include partial fractions, synthetic division, mathematical induction, sequences and series, and counting principles.

Prerequisites: MATH 099 Minimum Grade: T OR MAPT - Minimum Score: 23 OR A02 - Minimum Score: 22 OR S02 - Minimum Score: 530 OR ACMA - Minimum Score: 109 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: S OR ALEK - Minimum Score: 046

**MATH 107. Trig/ Analytic Geometry GT-MA1.** 3 hours. An introduction to the tools and techniques of trigonometry. Topics include angles and their measures, the six trigonometric functions and their properties, inverse trigonometric functions, graphs, identities including the Law of Sines and the Law of Cosines, trigonometric equations, and solving triangles.

Optional topics include complex numbers, De Moivre's Theorem, polar coordinates, and analytic geometry.

Prerequisites: MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 106I Minimum Grade: C- OR ALEK - Minimum Score: 061

**MATH 111. Math for Nursing.** 1 hours. This course is designed to assist the student with becoming very comfortable with drug calculations using dimensional analysis. Topics to be discussed include: basic math review, metric system and medication calculations, reconstituted medications, parenteral medication calculations, oral and injectable calculations, and medications for infants and children.

Prerequisites: (ACMA - Minimum Score: 085 OR A02 - Minimum Score: 19 OR MATH 099 Minimum Grade: S OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C-) OR (ACMA - Minimum Score: 085 OR A02 - Minimum Score: 19 OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: T)

**MATH 120. Calculus I GT-MA1.** 5 hours. An introduction to the calculus of functions of one real variable. Topics include limits, continuity, derivatives, graphing techniques, optimization, related rates, Newton's method, indeterminate forms and L'Hopital's rule, antiderivatives, the definite integral, and the Fundamental Theorem of Calculus.

Prerequisites: (MATH 107 Minimum Grade: C- AND MATH 106 Minimum Grade: C-) OR A02 - Minimum Score: 26 OR S02 - Minimum Score: 600 OR (MATH 107 Minimum Grade: T AND MATH 106 Minimum Grade: T) OR ALEK - Minimum Score: 076

**MATH 121. Calculus II GT-MA1.** 5 hours. A continuation of the calculus of functions of one real variable. Topics include integration, application of the definite integral, techniques of integration, improper integrals, arc length, surface area, volume, infinite series, and Taylor series.

Prerequisites: MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: T

**MATH 140. Geometry Using Technology.** 3 hours. An introduction to the major concepts of Euclidean Geometry using interactive geometric visualization software such as Geometer's Sketchpad, Kig, or C.a.R. Students will use the software to survey Euclidean Geometry and discover basic principles and theorems.

Prerequisites: A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T

**MATH 150. Librl Arts Mathematics GT-MA1.** 3 hours. A quantitative and qualitative exploration of some of the great ideas and methods of mathematics. Topics covered include problem solving, infinity, logic, probability, statistics, Fibonacci numbers, the golden ratio, topology, non-Euclidean geometry, Pascal's triangle, tiling, fractals, chaos, and higher dimensions. Prerequisites: A satisfactory grade in MATH 099, or a minimum ACT score of 19, or a minimum SAT score of 440, or a minimum Accuplacer score of 85. For students who do not meet these prerequisite requirements, but have successfully finished MATH 095 or a higher math course, have completed a minimum of 24 credit hours with a C- or higher at ASU, have a minimum cumulative GPA at ASU of 2.25, and have completed ENG 102 with a minimum grade of C- are eligible to enroll in this course. These students will need to see the department chair to register.

Prerequisites: (A02 - Minimum Score: 19 OR S02 - Minimum Score: 440 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T) OR ALEK - Minimum Score: 030

**MATH 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**MATH 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MATH 205. Intro to Statistical Methods.** 3 hours. Basic techniques of applied statistics, including data organization and presentation, experiment design, calculating statistical measures, choosing, applying, and interpreting statistical tests, correlation and regression, and software utilization.

Prerequisites: (MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR MATH 120 Minimum Grade: C-) OR (MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: T)

**MATH 220. Calculus III.** 4 hours. This course is an introduction to the calculus of functions of several variables. Typical topics include three-dimensional analytic geometry, vectors, parametric curves and surfaces, arc length and curvature, limits, continuity, partial derivatives, gradients, directional derivatives, tangent planes, multiple integrals, vector fields, line and surface integrals, Green's theorem, Stokes' Theorem, and the divergence theorem.

Prerequisites: MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T

**MATH 236. Research in Mathematics.** 1 hours. An independent research course. The student will work with a professor on a research project either designed by the student

or the professor. The student's research must result in a paper and a presentation before a group of peers and professors.

Prerequisites: MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T

**MATH 250. Intro to Mathematical Thought.** 3 hours. This course looks at topics central to further study in mathematics. These include symbolic logic, especially as it applies to mathematical proof; methods of mathematical proof such as direct proof, indirect proof, and by induction; use and meaning of mathematical quantifiers and predicates; sets; relations; equivalence relations and partitions; order relations; and functions and their properties.

Prerequisites: MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: T

**MATH 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**MATH 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents

**MATH 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MATH 321. Linear Algebra.** 3 hours. An introduction to linear algebra. Typical topics include solutions of systems of linear equations, matrix algebra, determinants, vector spaces, linear independence, span, basis, dimension, coordinates, linear transformations, matrix representations of linear transformations, eigenvalues, eigenvectors, diagonalization, Gram-Schmidt orthonormalization projection, and applications. Prerequisites: MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T

**MATH 322. Algebraic Structures I.** 3 hours. An introduction to the theory of groups. Typical topics include sets, mappings, binary operations, equivalence relations, partitions, the integers, induction, the well-ordering property, elementary number theory, cryptography, coding theory, groups (permutation groups, symmetry groups, matrix groups, and cyclic groups), subgroups, cosets, Lagrange's theorem, normal subgroups, homomorphisms, isomorphisms, Cayley's theorem, and isomorphism theorems.

Prerequisites: (MATH 250 Minimum Grade: C- AND MATH 321 Minimum Grade: C-) OR (MATH 250 Minimum Grade: T AND MATH 321 Minimum Grade: T)

**MATH 323. Algebraic Structures II.** 3 hours. An introduction to the theory of rings and fields. Typical topics include rings, ideals, integral domains, fields, ring homomorphisms, quotient rings, polynomial rings, division algorithms, factorization of polynomials, extensions of fields, finite fields, and Galois theory.

Prerequisites: MATH 322 Minimum Grade: C- OR MATH 322 Minimum Grade: T

**MATH 327. Differential Equations.** 3 hours. An introduction to the study and application of ordinary differential equations. Typical topics include first order differential equations, linear differential equations, systems of equations, existence and uniqueness of solutions, bifurcations, the Laplace transform, matrix methods, and stability theorems.

Prerequisites: MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T

**MATH 330. Numerical Analysis.** 3 hours. Numerical methods for the solution of mathematical problems and computer application of those methods. Typical topics include the bisection algorithm, fixed point iteration, interpolation, polynomial approximation, numerical differentiation and integration, solution of systems of linear equations, least squares approximation, and error analysis.

Prerequisites: (MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T) AND ((CSCI 208 Minimum Grade: C- OR CSCI 208 Minimum Grade: T) OR (CSCI 210 Minimum Grade: C- OR CSCI 210 Minimum Grade: T) )

**MATH 331. Modern Geometry.** 3 hours. An introduction to plane geometry intended for future teachers of mathematics. Typical topics include deductive reasoning and the axiomatic method, Euclidean geometry, parallelism, hyperbolic and other non-Euclidean geometries.

Prerequisites: (MATH 121 Minimum Grade: C- AND MATH 250 Minimum Grade: C-) OR (MATH 121 Minimum Grade: T AND MATH 250 Minimum Grade: T)

**MATH 335. History of Mathematics.** 3 hours. This course traces the historical development of mathematics from ancient to modern times, placing mathematical facts into a meaningful intellectual and historical context. Typical topics include mathematics in early civilization such as Egypt and Babylonia; early Greek mathematics from Euclid to Archimedes; the work of Diophantus; mathematics in medieval Islam and its transmission to the Latin West; the early development of algebra; the analytic geometry of Descartes and Fermat; the development of the calculus at the hands of Newton and Leibniz; the contributions of the Bernoulli family; nineteenth-century analysis from Cauchy to Weierstrass; nineteenth-century algebra from Galois through Klein; the development of non-Euclidean geometry; and Cantor's development in set theory.

Prerequisites: MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T

**MATH 340. Probability & Statistics.** 3 hours. A mathematically oriented introductory course in probability and statistics. Typical topics include counting techniques and laws of probability, independence, discrete and continuous random variable, distributions (normal, t, chi, square, F, Poisson, exponential, and sampling), regression correlation, confidence intervals and hypothesis testing, mathematical expectation, moment generating functions, the Central Limit Theorem, and point estimation.

Prerequisites: MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T

**MATH 375. Simulation.** 3 hours. Introduction to computer simulation and modeling of real- world systems. Topics include system analysis and modeling; principles of computer simulation methodologies; data collection and analysis; selecting distributions; simulation using special simulation languages; analysis of results; and selecting alternative systems.

Prerequisites: MATH 360 Minimum Grade: C- OR MATH 360 Minimum Grade: T

**MATH 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**MATH 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MATH 420. Advanced Analysis I.** 3 hours. Rigorous presentation of the fundamental concepts and techniques of real analysis, including a careful study of continuity and convergence, sets and functions, sequences and series, limits and continuity, and differentiation.

Prerequisites: (MATH 220 Minimum Grade: C- OR MATH 220 Minimum Grade: T) AND (MATH 250 Minimum Grade: C- OR MATH 250 Minimum Grade: T)

**MATH 421. Advanced Analysis II.** 3 hours. This course is a continuation of MATH 420 with an emphasis on integration, sequences and series of functions, uniform convergence, infinite series, and additional topics of the instructors choosing. Prerequisites: MATH 420 Minimum Grade: C- OR MATH 420 Minimum Grade: T

**MATH 430. Complex Analysis.** 3 hours. Theory of functions of one complex variable, including derivatives, integrals, power series, residues, and conformal mappings.

Prerequisites: MATH 220 Minimum Grade: C- OR MATH 220 Minimum Grade: T

**MATH 436. Research in Mathematics.** 1 hours. An independent research course. The student will work with a professor on a research project either designed by the student or the professor. The student's research must result in a professional quality paper or project and a presentation before a group of peers and professors.

**MATH 440. Topology.** 3 hours. This course is an introduction to the theory of point-set topology. The main components of the course will be topological spaces, including product and quotient spaces, continuous functions, local and global connectedness, local and global compactness, countability, separability, and the Tychonoff axioms. The culmination of the course will be in the Tietze extension theorem, Uryson's Lemma, and Uryson's Metrization theorem. Further study into Tychonoff axioms and spaces and the Tychonoff theorem will be done, time permitting.

Prerequisites: MATH 250 Minimum Grade: C- OR MATH 250 Minimum Grade: T

**MATH 471. Senior Capstone I.** 1 hours. First-semester of a capstone course intended for senior mathematics majors. In this course students will begin the development of a project to be conducted under the guidance of a faculty advisor from the department. In addition, the course will focus on written and oral communication of technical material appropriate to the disciplines of mathematics, computer science, and physics.

**MATH 472. Senior Capstone II.** 1 hours. Second-semester of a capstone course intended for senior mathematics majors. In this course students will continue the development of an independent project, begun in MATH 471, and conducted under the guidance of a faculty advisor from the department. In

addition, the course will focus on written and oral communication of technical material appropriate to the disciplines of mathematics, computer science, and physics. Prerequisites: MATH 471 Minimum Grade: C- OR MATH 471 Minimum Grade: T

**MATH 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**MATH 492. Workshop.** .5 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MATH 579. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**MATH 592. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MATH 599. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**MPA 500. Intro to Public Administration.** 3 hours. An introductory survey to the field of public administration, especially historical, political, and organizational approaches to ethical and reflective professional practice.

**MPA 503. Research Mthds & Data Analysis.** 3 hours. Introduction to research design and methods as well as the basic techniques of statistical analysis. Emphasis will be placed on critical analysis of existing research and the applications of original design and methods to decision making in public policy and administration.

**MPA 508. Public, Law, Policy & Reg Env.** 3 hours. Examines the legal foundation and environment of public administration in the United States. It will emphasize how the Constitution affects the administrative state as well as how the federal judiciary, especially the Supreme Court, share the administrative process. It will also explore how constitutional and administrative law influence the decision making of civil servants.

**MPA 510. Practicum.** 1 hours. This course provides students with actual experiences, through projects and practical activities, in the practice of public administration in a professional setting. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 50 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts ties to MPA 503 and 508.

**MPA 512. Pub, Bdg, Finance, & Proj Mgmt.** 3 hours. Examines the processes of debating and financial management in the public sector. This includes the characteristics of the budgetary process and financial management in the U.S., the major revenue systems and forecasting, capital budgeting, debt management, and fiscal analysis. In addition, it will examine the concepts and

techniques of project management as it is used in public administration.

**MPA 514. HR and Leadership Devel Pub Sec.** 3 hours.

Examines the historical, normative, and practical development of the fields of human resources management in the Public sector. Students will examine the characteristics of government personnel systems and the processes and best practices used in managing human capital. Unique aspects of labor relations in the public sector are considered along with state and federal regulations guiding the public employer. Special attention will be paid to processes of identifying and developing future organizational leaders.

**MPA 516. Practicum II.** 1 hours. This course provides students with actual experiences, through projects and practical activities, in the practice of fiscal project, and/or human resources management in a professional setting. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 50 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts tied to MPA 512 and 514.

**MPA 520. Practicum III.** 3 hours. This course provides students with actual experiences, through projects and practical activities, in the assessment of public policies and procedures in a professional setting. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 150 hours and demonstrate and ability to apply the concepts and skills learned in the classwork to a professional setting.

**MPA 524. Community & Econ Development.** 3 hours. Examines how rural and urban communities address poverty, unemployment, and other economic problems through job creation and retention, workforce training, and other development strategies. It reviews the major theories in the field as well as applications in real-life conditions. The course also pays special attention to how economic development constituencies use communication techniques, including lobbying, advocacy and marketing, to advance their proposals in the larger political environment.

**MPA 526. Planning in the Real World.** 3 hours. Provides with an overview of the theory and practice of planning and decision-making in the public sector. The course focuses on the development of practical skills necessary to develop and implement strategic planning initiatives in a political environment. Students will use case studies and simulation to apply these skills in real organizational settings.

**MPA 528. Practicum IV.** 1 hours. This course provides students with actual experiences, through projects and practical activities, in a professional setting. The practicum will focus on elements of community planning and economic development. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. The practicum will require students to work at least 50 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts ties to MPA 524 and 526.

**MPA 532. Emerg Mgmt: Infrastruct & Srv.** 3 hours. Provides students with an overview of the characteristics, functions, and resources necessary for government to develop and operate and integrated emergency management system. The major elements of emergency management, including response, recovery and preparedness, are all addressed. This includes the primary services provided by first responders as well as the critical infrastructure necessary to effectively deliver those services.

**MPA 533. Org & Comm Behavior.** 3 hours. Examines the organizational and community context in which public manager must operate. Including a focus on why people behave the way they do in organizations and what can be done to change those behaviors. This includes the most effective communications strategies used in dealing with community groups, advisory boards and councils. The course will review a wide range of situations and examples of human behavior and connect them in foundational theories and effective practical management methods.

**MPA 540. Practicum V Capstone.** 3 hours. This course provides students with a capstone to the MPA program through projects and practical activities. The practicum will focus on elements of emergency management and/or strategic planning. Students will work with practicing administrators in public/non-profit agencies under the direction of a workplace supervisor. This practicum will require students to work at least 150 hours and demonstrate an ability to apply the concepts and skills learned in the classwork to a professional setting through artifacts tied to MPA 532 and 533.

**MPA 579. Special Topics.** 3 hours. This course will be developed by the instructor on topics of interest to the students in the Public Administration Program that are not otherwise offered in the degree plan.

**MUED 503. Analytical Techniques.** 3 hours. This course will examine the principle forms and structural elements of music from the Renaissance through the twentieth century. This course will introduce students to a variety of approaches and philosophies of musical analysis, accomplished through listening and analysis of musical repertoire.

**MUED 504. Orchestration and Arranging.** 3 hours. This course will provide instruction in music orchestration and arranging techniques pertinent to music educators. Students will apply these techniques to arrangements for voice and contemporary band/orchestral instruments and ensembles.

**MUED 521. World Music and Culture.** 3 hours. This course will provide the conceptual foundations necessary to explore and integrate music from around the world into the K-12 music curriculum. Through case study, critical writing, audio and video example, and individual research, students will investigate, experience, and synthesize the importance of music as it relates to different cultures, customs, religions, and history. Students will learn how music is correlated to everyday activities in a variety of societies.

**MUED 522. History of Opera.** 3 hours. A music course designed to survey the development of the history of Western opera from 1800-2000. A study of and an analysis of representative works from this time period will be explored through listening, videos and readings.

**MUED 523. Topics in Jazz and Rock.** 3 hours. This course will examine the development and principle styles in jazz and rock music in the 20th and 21st centuries. The course will look at the important developments in both styles through musical, historical, and cultural lenses. The goal of this course is to go beyond a broad overview of these styles, with students doing in-depth listening to seminal albums in both jazz and rock.

**MUED 531. Renaissance Vocal Music.** 3 hours. This course is designed to survey the development of western vocal music during the Renaissance period. Topics addressed will include the development of musical styles and forms, theoretical developments, composers of the period and their compositions. Emphasis will be placed on developing a thorough knowledge of music literature of the time.

**MUED 532. Music History: J.S. Bach.** 3 hours. This course examines the music of Johann Sebastian Bach in its historical context. It includes a survey of significant works and genres. Representative works will be explored in depth through guided listening, focused analysis and selected readings.

**MUED 533. American Music History.** 3 hours. This course is designed as a survey of the development of music in the current United States, from the Spanish colonization in the 16th century to present times. Topics addressed will include the various musical styles and genres, composers of the period and their compositions. Emphasis will be placed on developing a thorough knowledge of music literature of the time, being able to place this music in its proper historical and cultural context, as well as being able to incorporate it into the K-12 curriculum.

**MUED 534. Music Literature and Pedagogy.** 3 hours. A study of choral and instrumental literature, pedagogical techniques, and rehearsal techniques appropriate for school ensembles. The course explores resource materials, pedagogical practice, and effective teaching strategies.

**MUED 540. Applied Lessons.** 2 hours. This course is required for the combined online/on-campus track of the Master of Arts in Music Education.

**MUED 541. Applied Lessons.** 2 hours. This course is required for the combined online/on-campus track of the Master of Arts in Music Education.

**MUED 545. Band.** 1 hours. Open to all students regardless of major field who demonstrate sufficient ability on a standard wind or percussion instrument.

**MUED 546. Jazz Ensemble.** 1 hours. An advanced instrumental jazz ensemble, open by audition. Repertoire is selected from a variety of jazz styles and periods.

**MUED 547. Concert Choir.** 1 hours. Open to all qualified students with repertoire selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions.

**MUED 548. Jazz Singers.** 1 hours. An advanced vocal jazz ensemble, open by audition to students who will be expected to perform a significant leadership role in the ensemble. Repertoire is selected from a variety of jazz and popular styles and periods.

**MUED 549. Chamber Ensemble.** 1 hours. Selected groups including instrumental, vocal, and mixed ensembles for performance of music in specific periods and mediums.

**MUED 550. Orchestra.** 1 hours. Open to all students, regardless of major field, who demonstrate sufficient ability on a standard orchestral instrument.

**MUED 555. Wind Ensemble.** 1 hours. An advanced mixed instrumental ensemble, open to wind and percussion students by audition. Repertoire is selected from standard and contemporary wind ensemble literature.

**MUED 557. Chamber Choir.** 1 hours. Small choral ensemble, by audition. Repertoire selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions.

**MUED 565. Intro to Music Ed Research.** 3 hours. This course serves as an introduction to research methodologies used in music and music education. It provides a broad foundation in research design, including quantitative, qualitative, historical, philosophical and non-experimental models. In addition, students familiarize themselves with basic statistical concepts, the library, and standard reference tools and electronic resources for the purpose of research.

**MUED 567. Music Ed History & Philosophy.** 3 hours. This course will address the historical and philosophical foundations of music education in the United States, with a focus on aesthetics and the role of the arts in education. Students will formulate a personal philosophy of music education to guide choices in curriculum, teaching, and assessment.

**MUED 568. Soc & Psych of Music Ed.** 3 hours. This course will address the sociological and psychological foundations of music education in the United States focusing on relationships to current trends and best practices.

**MUED 595. Graduate Recital.** 1 hours. Preparation and presentation of a public recital of approximately 60 minutes of prepared music. Must be taken concurrently with MUED 541. Prerequisites: MUED 540 Minimum Grade: C

**MUED 596. Music Ed Curriculum Project.** 3 hours. This course will address the curriculum and assessment in music education culminating in a curriculum project to be put into practice in the classroom.

**MUS 000. Recital Attendance.** 0 hours. A requirement for music majors and minors, which consists of attendance at a designated number of concerts/recitals each semester.

**MUS 100. Intro to Music Lit GT-AH1.** 3 hours. An introductory course in music literature which includes a survey of Western art music from the Middle Ages to the present and a survey of non-Western music. A brief study of musical elements as well as a study of the development of musical styles, major composers and compositions is included. Listening, lectures, readings and experiencing performances are vital components of this course.

**MUS 101. Music Fundamentals.** 2 hours. An introductory course for music majors and minors that includes the fundamentals of music theory, notation, and basic aural skills. May not be counted as credit towards a music degree.

**MUS 102. Introduction to Jazz.** 3 hours. A survey of jazz styles and principal performers from the development of early jazz to its emergence as a significant contribution to world music. Listening, lectures, readings, and experiencing performances are vital components of this course.

**MUS 103. Intro to Music Technology.** 1 hours. Introduction to basic music technology including MIDI, sequencing, music notation, and tutorials. Development of music technology skills utilizing music technology utilizing music lab facilities and equipment.

Prerequisites: MUS 101 Minimum Grade: C- OR MUS 101 Minimum Grade: T

**MUS 104. Music Theory I.** 3 hours. Development of basic music skills and harmony with practical application through part-writing and composition.

Prerequisites: MUS 101 Minimum Grade: C- OR MUS 101 Minimum Grade: T

**MUS 108. Aural Skills I.** 1 hours. Foundational work in sight singing and written dictation.

Prerequisites: MUS 101 Minimum Grade: C- OR MUS 101 Minimum Grade: T

**MUS 120. Class Piano I.** 1 hours. A study of beginning keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

**MUS 121. Class Piano II.** 1 hours. A study of intermediate keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

Prerequisites: MUS 120 Minimum Grade: C- OR MUS 120 Minimum Grade: T

**MUS 130. Secondary Applied Music.** 1 hours. Private instruction in applied music. Applicable to a music degree only as secondary applied credit. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 101 Minimum Grade: D OR MUS 101 Minimum Grade: T

**MUS 140. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (eight hours maximum).

**MUS 141. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 140 Minimum Grade: D OR MUS 140 Minimum Grade: T

**MUS 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**MUS 192. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 204. Music Theory II.** 3 hours. Advanced study in music writing and analysis with emphasis on tonal and chromatic harmony.

Prerequisites: MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T

**MUS 208. Aural Skills II.** 1 hours. Emphasis on sight singing in parts, more difficult keys and intervals, modulations, and rhythmic patterns in dictation.

Prerequisites: MUS 108 Minimum Grade: C- OR MUS 108 Minimum Grade: T

**MUS 210. Mariachi Ensemble.** 1 hours. Open to all qualified students by audition, regardless of major field. Music chosen

from standard mariachi repertoire. May be repeated for credit. Audition and permission of instructor required for registration.

**MUS 212. Jazz Improvisation I.** 1 hours. Emphasis on basic jazz literature, chord symbols, melodic patterns, ear training, melodic concepts, and analysis of improvised solos.

Prerequisites: MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T

**MUS 220. Class Piano III.** 1 hours. A continuation of intermediate keyboard technique with emphasis on skills needed to fulfill the piano proficiency requirement.

Prerequisites: MUS 121 Minimum Grade: C- OR MUS 121 Minimum Grade: T

**MUS 226. Languages for Singing.** 3 hours. A study of the phonetics of languages used in singing. The course includes English, Italian, Latin, German and French diction.

**MUS 240. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 141 Minimum Grade: C- OR MUS 141 Minimum Grade: T

**MUS 241. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 240 Minimum Grade: C- OR MUS 240 Minimum Grade: T

**MUS 242. Applied Music - Composition.** 2 hours. This course will provide private instruction in basic music composition. May be repeated for credit (four hours maximum).

Prerequisites: MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T

**MUS 243. Applied Music - Composition.** 2 hours. This course will provide further private instruction in basic music composition. May be repeated for credit (four hours maximum). This course requires instructor approval for registration purposes.

Prerequisites: (MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T) AND (MUS 242 Minimum Grade: C- OR MUS 242 Minimum Grade: T)

**MUS 245. Band.** 1 hours. Open to all students, regardless of major field, who demonstrate sufficient ability on a standard wind or percussion instrument. May be repeated for credit.

**MUS 246. Jazz Ensemble.** 1 hours. An advanced instrumental jazz ensemble, open to all qualified students by audition. Repertoire is selected from a variety of jazz styles and periods. May be repeated for credit.

**MUS 247. Concert Choir.** 1 hours. Open to all qualified students with repertoire selected from the standard choral concert literature. May be repeated for credit.

**MUS 248. Jazz Singers.** 1 hours. An advanced vocal jazz ensemble, open to qualified students by audition. Repertoire is selected from a variety of jazz styles and periods. May be repeated for credit

**MUS 249. Chamber Ensemble.** 1 hours. Selected groups including instrumental, vocal, and mixed ensembles for performance of music in specific periods and mediums. May be repeated for credit.

**MUS 250. Orchestra.** 1 hours. Open to all students, regardless of major field, who demonstrate sufficient ability on a standard orchestral instrument. May be repeated for credit.

**MUS 252. Music Theatre Workshop.** 1 hours. The study and production of musical theatre and opera repertoire appropriate for educational theatre. May be repeated for credit.

**MUS 255. Wind Ensemble.** 1 hours. An advanced mixed instrumental ensemble, open to wind and percussion students by audition. Repertoire is selected from standard and contemporary wind ensemble literature. May be repeated for credit.

**MUS 257. Chamber Choir.** 1 hours. An advanced mixed choral ensemble, open to students by audition. Repertoire is selected from standard and contemporary choral concert literature as well as music of other cultures, ethnicities and traditions. May be repeated for credit.

**MUS 279. Special Topics.** .5 TO 6 hours. Offered periodically to meet student special interests in the field.

**MUS 292. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 304. Advanced Theory.** 3 hours. The study of advanced chromatic harmony and twentieth-century musical techniques through analysis and composition.  
Prerequisites: (MUS 103 Minimum Grade: C- OR MUS 103 Minimum Grade: T) AND (MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T) AND (MUS 204 Minimum Grade: C- OR MUS 204 Minimum Grade: T)

**MUS 308. Advanced Aural Skills.** 1 hours. Advanced sight singing and ear training, including harmonic and melodic dictation using chromatic intervals.  
Prerequisites: MUS 208 Minimum Grade: C- OR MUS 208 Minimum Grade: T

**MUS 312. Jazz Improvisation II.** 1 hours. Emphasis on the analysis and performance of intermediate jazz literature and composition in contemporary styles.  
Prerequisites: MUS 212 Minimum Grade: C- OR MUS 212 Minimum Grade: T

**MUS 320. Advanced Piano Class.** 1 hours. Advanced functional keyboard technique with emphasis on skills needed to fulfill the piano proficiency requirement.  
Prerequisites: MUS 220 Minimum Grade: C- OR MUS 220 Minimum Grade: T

**MUS 321. Voice Methods.** 1 hours. A course designed to enable music education majors to gain a practical knowledge of the voice and relevant pedagogy. Not open to students whose principal instrument is voice.

**MUS 322. Percussion Methods.** 1 hours. A course designed to enable music education majors to gain a practical knowledge of percussion instruments and relevant pedagogy.

**MUS 323. Brass Methods.** 1 hours. A course designed to enable music education majors to gain a practical knowledge of brass instruments and relevant pedagogy.

**MUS 324. Woodwind Methods.** 1 hours. A course designed to enable music education majors to gain a practical knowledge of woodwind instruments and relevant pedagogy.

**MUS 325. String Methods.** 1 hours. A course designed to enable music education majors to gain a practical knowledge of string instruments and relevant pedagogy.

**MUS 326. Music History I.** 3 hours. A detailed survey of music history from antiquity to 1750.  
Prerequisites: (MUS 100 Minimum Grade: C- AND MUS 104 Minimum Grade: C-) OR (MUS 100 Minimum Grade: T AND MUS 104 Minimum Grade: T)

**MUS 327. Music History II.** 3 hours. A detailed survey of music history from 1750 to the present.  
Prerequisites: (MUS 100 Minimum Grade: C- AND MUS 104 Minimum Grade: C-) OR (MUS 100 Minimum Grade: T AND MUS 104 Minimum Grade: T)

**MUS 333. Form and Analysis.** 2 hours. The study and analysis of the structural elements of music and principle musical forms from the Renaissance through the twentieth century. Includes study of 16th and 18th-century contrapuntal forms. This course requires instructor approval for registration purposes.  
Prerequisites: MUS 304 Minimum Grade: C- OR MUS 304 Minimum Grade: T

**MUS 340. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (eight hours maximum).  
Prerequisites: MUS 241 Minimum Grade: C- OR MUS 241 Minimum Grade: T

**MUS 341. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (eight hours maximum).  
Prerequisites: MUS 340 Minimum Grade: C- OR MUS 340 Minimum Grade: T

**MUS 342. Applied Music - Composition.** 2 hours. This course will provide private instruction in advanced music composition including orchestration techniques. May be repeated for credit (four hours maximum). This course requires instructor approval for registration purposes.  
Prerequisites: (MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T) AND (MUS 243 Minimum Grade: C- OR MUS 243 Minimum Grade: T)

**MUS 343. Applied Music - Composition.** 2 hours. This course will provide further private instruction in advanced music composition including polyphonic and non-tonal techniques. May be repeated for credit (four hours maximum). This course requires instructor approval for registration purposes.  
Prerequisites: (MUS 104 Minimum Grade: C- OR MUS 104 Minimum Grade: T) AND (MUS 342 Minimum Grade: C- OR MUS 342 Minimum Grade: T)

**MUS 345. Junior Recital.** 1 hours. Preparation and presentation of a public recital of approximately one-half hour of music.  
Prerequisites: (MUS 340 Minimum Grade: C- OR MUS 341 Minimum Grade: C-) OR (MUS 340 Minimum Grade: T OR MUS 341 Minimum Grade: T)



**MUS 360. Conducting Techniques.** 2 hours. Development of fundamental conducting skills, score reading skills, musical concepts, and terminology.

Prerequisites: (MUS 204 Minimum Grade: C- AND MUS 208 Minimum Grade: C-) OR (MUS 204 Minimum Grade: T AND MUS 208 Minimum Grade: T)

**MUS 364. Accompanying Practicum I.** 2 hours. Training for the advanced pianist in vocal and instrumental accompanying skills, and related skills for dance accompanying.

Prerequisites: MUS 241 Minimum Grade: C- OR MUS 241 Minimum Grade: T

**MUS 365. Accompanying Practicum II.** 2 hours. Training for the advanced pianist in vocal and instrumental accompanying skills, and related skills for dance accompanying.

Prerequisites: MUS 364 Minimum Grade: C- OR MUS 364 Minimum Grade: T

**MUS 375. Music Recording Techniques.** 3 hours. The class is designed as an introduction to computer music composition techniques. Students will design sounds using both waveform and sample techniques. Sound libraries are developed and then implemented in original compositions performed twice per semester. Advanced sequencing techniques are also explored. Contemporary computer music examples are assigned for discussion and analysis.

Prerequisites: (MUS 101 Minimum Grade: C- OR MUS 101 Minimum Grade: T) AND (MUS 103 Minimum Grade: C- OR MUS 103 Minimum Grade: T)

**MUS 376. Topics in Music Business.** 3 hours. Topics in Music Business will introduce students to the business aspects of the music industry including market and promotion, copyright law, publishing, contracts, licensing, management, concert promotion and production, profit and non-profit arts organizations, grant writing and fundraising.

**MUS 377. Music Business Internship.** 3 hours. This course is designed to provide practical experience for advanced students in the music business emphasis. Students will further develop competencies in business related areas of the industry while providing practical application of theories, techniques, and concepts discussed in other courses. Students are required to be successfully admitted to upper divisional study, and Senior Standing (90 more hours completed). An approved Internship Application and current resume/references will also be submitted prior to registering in this class.

Prerequisites: MUS 376 Minimum Grade: C- OR MUS 376 Minimum Grade: T

**MUS 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**MUS 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 399. Individual Studies.** 0 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 410. Mariachi Ensemble.** 1 hours. Open to all qualified students by audition, regardless of major field. Music chosen from standard mariachi repertoire. May be repeated for credit. Audition and permission of instructor required for registration.

**MUS 421. Elem School Music Methods.** 3 hours. A course for music education majors emphasizing principles and procedures for teaching music in elementary schools.

Prerequisites: (ED 200 Minimum Grade: C- OR ED 200 Minimum Grade: T) AND (ED 220 Minimum Grade: C- OR ED 220 Minimum Grade: T)

**MUS 422. Secondary School Music Methods.** 3 hours. A comprehensive study of principles and procedures for teaching and administering music programs in secondary schools (grades 7-12). A background check must be completed through the Department of Teacher Education. This check must be completed before a student can do any field experience hours. Students must be enrolled in the Teacher Education Program.

Prerequisites: (ED 200 Minimum Grade: C- OR ED 200 Minimum Grade: T) AND (ED 220 Minimum Grade: C- OR ED 220 Minimum Grade: T) AND (MUS 304 Minimum Grade: C- OR MUS 304 Minimum Grade: T) AND (MUS 360 Minimum Grade: C- OR MUS 360 Minimum Grade: T) AND TEPP - Minimum Score: 1 AND BKCK - Minimum Score: 1

**MUS 423. Choral Literature and Methods.** 3 hours. A study of choral literature and rehearsal techniques appropriate for secondary school choral ensembles, including resource materials, techniques for choral sound production, and effective teaching strategies.

Prerequisites: (MUS 304 Minimum Grade: C- AND MUS 360 Minimum Grade: C-) OR (MUS 304 Minimum Grade: T AND MUS 360 Minimum Grade: T)

**MUS 424. Instrumental Lit/Methods.** 3 hours. A study of instrumental literature and rehearsal techniques appropriate for secondary school instrumental ensembles, including resource materials, techniques for ensemble development, and effective teaching strategies.

Prerequisites: (MUS 304 Minimum Grade: C- AND MUS 360 Minimum Grade: C-) OR (MUS 304 Minimum Grade: T AND MUS 360 Minimum Grade: T)

**MUS 425. Opera Literature.** 3 hours. A study of operatic masterpieces from the origins of the form to the present.

**MUS 426. Song Literature.** 3 hours. Historic survey of the art of song.

**MUS 427. Instrumental Lit & Pedagogy.** 3 hours. Historical survey of the student's own instrumental category (either woodwinds, brass, percussion, guitar or strings) and a study of the pedagogical techniques for that instrumental category.

**MUS 428. Piano Literature and Pedagogy.** 3 hours. Historical survey of the repertoire for piano and a study of pedagogical techniques for the piano.

**MUS 429. Voice Literature and Pedagogy.** 3 hours. A study of pedagogical techniques and vocal problems and the assignments of appropriate literature. A survey of materials include treatises, technique books, physiological books, repertoire, and other areas relevant to singing and to the teaching of singing.

**MUS 430. Secondary Applied Music.** 1 hours. Private instruction in applied music. Applicable to a music degree only as secondary applied credit.

Prerequisites: MUS 341 Minimum Grade: C- OR MUS 341 Minimum Grade: T

**MUS 440. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (four hours maximum).

Prerequisites: (MUS 341 Minimum Grade: C- AND MUS 345 Minimum Grade: C-) OR (MUS 341 Minimum Grade: T AND MUS 345 Minimum Grade: T)

**MUS 441. Applied Music.** 2 hours. Private instruction in applied music. May be repeated for credit (four hours maximum).

Prerequisites: (MUS 345 Minimum Grade: C- AND MUS 440 Minimum Grade: C-) OR (MUS 345 Minimum Grade: T AND MUS 440 Minimum Grade: T)

**MUS 444. Senior Project - Composition.** 2 hours. A course for the development and creation of a work for orchestra or wind ensemble. Orchestration techniques will be explored. Analysis of works within the genres will be examined and discussed. A significant written project on some aspect of contemporary music will be required. This course requires instructor approval for registration purposes.

Prerequisites: MUS 343 Minimum Grade: C- OR MUS 343 Minimum Grade: T

**MUS 445. Senior Recital.** 2 hours. Preparation and presentation of a public recital of approximately forty-five minutes of music. Must be taken concurrently with MUS 440 or MUS 441.

Prerequisites: (MUS 440 Minimum Grade: C- AND MUS 441 Minimum Grade: C-) OR (MUS 440 Minimum Grade: T AND MUS 441 Minimum Grade: T)

**MUS 446. Jazz Ensemble.** 1 hours. An advanced instrumental jazz ensemble, open by audition to junior and senior students who perform a significant leadership role in the ensemble. Repertoire is selected from a variety of jazz styles and periods. May be repeated for credit.

**MUS 448. Jazz Singers.** 1 hours. An advanced vocal jazz ensemble, open by audition to junior and senior students who perform a significant leadership role in the ensemble. Repertoire is selected from a variety of jazz and periods. May be repeated for credit.

**MUS 449. Chamber Ensemble.** 1 hours. Selected groups including instrumental, vocal and mixed ensemble for performance of music in specific periods and mediums, open by audition to junior and senior students who perform a significant leadership role in the ensemble. May be repeated for credit.

**MUS 450. Orchestra.** 1 hours. Open by audition to Junior and Senior students who perform a significant leadership role in the orchestra. Repertoire is selected from standard orchestral literature. May be repeated for credit.

**MUS 455. Wind Ensemble.** 1 hours. An advanced mixed instrumental ensemble, open by audition to junior and senior students who perform a significant leadership role in the ensemble. Repertoire is selected from standard and contemporary wind ensemble literature. May be repeated for credit.

**MUS 457. Chamber Choir.** 1 hours. An advanced mixed choral ensemble, open by audition to junior and senior who perform a significant leadership role in the ensemble. Repertoire is selected from standard and contemporary choral

concert literature as well as music of other cultures, ethnicities and traditions. May be repeated for credit.

**MUS 460. Advanced Choral Conducting.** 2 hours. Advanced techniques for the choral conductor.

Prerequisites: MUS 360 Minimum Grade: C- OR MUS 360 Minimum Grade: T

**MUS 461. Advanced Instr Conducting.** 2 hours. Advanced techniques for the instrumental conductor.

Prerequisites: MUS 360 Minimum Grade: C- OR MUS 360 Minimum Grade: T

**MUS 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**MUS 486. Marching Band Techniques.** 2 hours. Designed to help the band director chart marching band shows and deal with the logistics and techniques needed to manage the marching band.

Prerequisites: MUS 422 Minimum Grade: C- OR MUS 422 Minimum Grade: T

**MUS 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**MUS 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**MUS 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**MUS 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**NURS 179. Special Topics.** .5 TO 8 hours. Offered periodically to meet student special interests in the field.

**NURS 179C. Special Topics Clinical.** 2 hours. Offered periodically to meet student special interests in the field.

**NURS 201. Math for Nursing.** 1 hours. This course is designed to assist the student with becoming very comfortable with drug calculations using dimensional analysis. Topics to be discussed include: basic math review, metric system and medication calculations, reconstituted medications, parenteral medication calculations, reconstituted medications, parental medication calculations, oral and injectable calculations, and medications for infants and children. Student must be enrolled in the ASU four year baccalaureate program and successful completion of all previous level courses.

**NURS 202. Nursing Informatics.** 1 hours. This course examines the history of healthcare informatics, current issues, basic informatics concepts and health information management systems. The use of technology to help make decisions and to improve the health status of the individual, family, and community will be emphasized. Students will apply informatics concepts to a current clinical practice setting suggesting methods to use technology to improve patient safety and work effectiveness. The student will also learn to identify gather, process, and manage information/data. Student must be enrolled in the ASU four-year baccalaureate program and successful completion of all previous level courses.

**NURS 206. Pathophysiology.** 4 hours. This course provides an overview of pathophysiological processes across the major organ systems. It is divided into two content areas: general concepts and specific disease processes. General concepts include the topics of cellular environment, genetics, stress and disease, immunity, inflammation, and cellular proliferation. Common disease processes from the major organs systems are presented. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 207. Health Assessment.** 3 hours. The course will focus on the theoretical and practical aspects of acquiring data through a client health history and physical examination through the life span. A laboratory portion will consist of demonstration and actual wellness assessment with identification of needs. Students will be responsible for independent clinical health assessments and case studies. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 208. Pharmacology.** 4 hours. The course will provide an in-depth perspective of the pharmacokinetics and pharmacodynamics of medications. The students will learn to consider body weight, age, body composition, and circulatory dynamics when analyzing the drug's effect. Other topics to be included in this course include therapeutic effects, side effects, toxic effects, idiosyncratic reactions, drug tolerance, drug interactions and drug dose response. Discussion will focus on the physiological action and effect of selected drug groups, and factors that will influence the drug actions such as physiological variables, environmental conditions, psychological factors and diet. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 209. Health Care Ethics.** 2 hours. This course will focus on the moral and ethical dimensions of nursing practice and in health care today. Topics to be explored include biomedical technological advances, quality of life. The nurse's role in ethical situations, including client advocacy, informed consents, advanced directives and nursing accountability will be explored. The students will also discuss how values, faith, spiritual beliefs influence ethical decision making. The law, culture, gender, generational issues, as well as male and female roles are considered in the setting of an ethical dilemma. A systematic approach to resolving ethical issues and the role of an Ethics Committee as a resource are presented. Discussion will take place regarding the Nursing Code of Ethics and its effect on nursing practice. Students will enroll in the ASC four year baccalaureate program and successfully complete all previous block courses to register for this class.

**NURS 210. Nursing Research.** 2 hours. This course will provide an introduction to the research process including design and methodology. Interpretation and critique of research findings for use in nursing practice are emphasized. Research questions relevant to clinical practice are identified. This course emphasizes critical analysis of existing research to support data-driven decisions and implementation of evidence-

based practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 211. Professional Practice.** 2 hours. This course will emphasize an in-depth exploration of the development of health care policy in the United States. The evolution of public and private healthcare insurance and the societal implications of these policies will be analyzed. Students will understand the U.S. healthcare delivery system to determine how social, political, legal, economic policy and regulatory factors affect health disparities. Access to healthcare for the American people will be addressed. Critical thinking skills will be developed to understand future trends and changes affecting healthcare delivery policy and nursing practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 279. Special Topics.** .5 TO 8 hours. Offered periodically to meet student special interests in the field.

**NURS 292. Workshop.** .5 TO 8 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**NURS 301. Pharmacology.** 3 hours. This course will provide an in-depth perspective of the pharmacokinetics and pharmacodynamics of medications. The students will learn to consider body weight, age, body composition, and circulatory dynamics when analyzing the drug's effect. Other topics to be included in this course include therapeutic effects, side effects, toxic effects, idiosyncratic reactions, drug tolerance, drug interactions and drug dose response. Discussion will focus on the physiological action and effect of selectee drug groups, and factors that will influence the drug actions such as physiological variables, environmental conditions, psychological factors and diet. NURS 305 and CHEM 105 or 111 are recommended prerequisites.

**NURS 302. Nursing Informatics.** 3 hours. This course examines the history of healthcare informatics, current issues, basic informatics, current issues, basic informatics concepts and health information management systems. The use of technology to help make decisions and to improve the health status of the individual, family and community will be emphasized. Students will apply informatics concepts to a current clinical practice setting suggesting methods to use technology to improve patient safety and work effectiveness. The student will also learn to identify, gather, process, and manage information/data. Students must be enrolled in the ASU four-year baccalaureate program and successfully complete all previous block courses.

**NURS 305. Transcultural Nursing.** 3 hours. This course provides a theoretical framework for the delivery of culturally competent nursing care. The course will enable to nurse to navigate through the obstacles that culture can place on the patient/family experience. Through a presentation of the history and theory behind cultural competence in nursing, the course offers key information regarding health beliefs and the impact of culture on both health and illness. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites:

**NURS 309. Nursing Fundamentals.** 6 hours. This course will focus on the nursing process as a strategy for making clinical judgments and implementing care. The student will learn basic concepts in nursing as a framework for future course work. An emphasis will be placed on critical thinking and evidence based application of concepts taught. The lab hours will focus on concepts learned and are the foundation for developing nursing skills. Practice will take place in both the classroom and the simulation lab. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 309C. Nursing Fundamentals Clinical.** 3 hours. This course focuses on concepts learned in Nursing Fundamentals and Nursing Fundamentals Lab as a strategy for making clinical judgments and implementing care. Practice will take place in both the actual clinical setting and the simulation lab. The student will learn basic concepts in nursing as a framework for future course work. An emphasis will be placed on critical thinking and evidence based application of concepts taught. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 309L. Nursing Fundamentals Lab.** 4 hours. Emphasis in this course is on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course focuses on concepts learned in Fundamentals as a foundation for developing nursing skills. Practice will take place in both the classroom and the simulation lab. An emphasis will be placed on critical thinking and evidence-based application of concepts taught. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses. Prerequisites: NURS 309 Minimum Grade: C OR NURS 309 Minimum Grade: T

**NURS 310. Medical Surgical Nursing I.** 4 hours. Emphasis in this course is on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course is a comprehensive study of concepts related to critical thinking, culture, pain and end of life issues. Also considered is substance abuse, fluid, electrolyte and acid-base balance, safety, oxygenation, tissue perfusion, cardiac output. The various interrelationships among systems are highlighted. The application of the nursing process and evidence based criteria will be used in the care of stable adult patients in a clinical setting. The lab hours will focus on concepts learned and are the foundation for developing advanced nursing skills. Practice will take place in both the classroom and the simulation lab. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 310C. Med/Surg Nursing I Clinical.** 4 hours. Emphasis in this course is on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course focuses on concepts learned in Medical Surgical Nursing I as a strategy for making clinical judgments and implementing care. Practice will take place in both the actual clinical setting and the simulation lab. The student will learn basic concepts in nursing as a framework for future course

work. An emphasis will be placed on critical thinking and evidence based application of concepts taught. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 311. Geriatric Nursing.** 3 hours. This course will consider the unique set of principles and body of knowledge and skills necessary to the practice of geriatric nursing. Students are provided with the theoretical background necessary to understand health system issues affecting older adults; comprehensive assessment of physical, functional, psychosocial, and cognitive capacities; and to consider, in detail, common problems associated with cardiovascular, respiratory, neurological, musculoskeletal, sensory, and genitourinary systems that affect older adults. In addition, principles of continuity of care, rehabilitation, nutritional and pharmacodynamic changes, diversity and ethics will be integrated throughout the course. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 312. Med/Surg Nursing II.** 4 hours. This course is a comprehensive study of concepts related to problems of the cardiovascular, peripheral vascular, respiratory, hematological, and endocrine systems. Various interrelationships of these concepts will be explored as it concerns stable and unstable adult patients. The application of the nursing process and evidence based criteria will be presented as these processes refer to the care of adult patients. The lab hours will focus on concepts learned and are the foundation for developing advanced nursing skills. Practice will take place in both the classroom and the simulation lab. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 312C. Med/Surg Nursing II Clinical.** 4 hours. Concepts related to problems of the cardiovascular, peripheral vascular, respiratory, hematological, and endocrine systems will be explored. The various interrelationships among these concepts found in both stable and unstable adult patients in a clinical setting will be emphasized. The application of the nursing process and evidence based criteria will be used in the care of adult patients in both a clinical setting and a simulation lab. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 313. Nursing Management.** 3 hours. The focus of this course will be on the theories of nursing management and leadership and their application to work practices. Content will include the basic functions of management: planning, organizing, and directing. Topics such as decision-making, change, budgeting, conflict resolution and personnel issues will be explored. The students will concentrate on critical decision making and formulating independent nursing judgments in complex nursing situations. Content will also focus on supervisory skills and collaboration with other members of the health care team in the structured (hospital or nursing home) or unstructured (community assessments) health care settings. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 313C. Nursing Management Clinical.** 2 hours.

Application of nursing leadership and management principles learned in NURS 307 will be the focus of this course.

Application of concepts learned take place in the clinical setting. Critical thinking and evidence based practice will be emphasized. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

Prerequisites:

**NURS 314. Health Care Ethics.** 2 hours. This course will focus on the moral and ethical dimensions of nursing practice and in health care today. Topics to be explored include biomedical technological advances, quality of life, and ethical theories and principles, client advocacy, skill competency, informed consents, advanced directives and nursing accountability. The students will also discuss how values, emotions, faith, spiritual beliefs influence ethical decision-making. The law, culture, gender, generational issues, as well as male and female roles are considered in the setting of an ethical dilemma. A systematic approach to resolving ethical issues and the role of an Ethics Committee as a resource are presented. Discussion will also take place regarding the Nursing Code of Ethics and its effect on nursing practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 320. Nursing Ethics.** 3 hours. This course examines the legal and ethical aspects of the nurse's role in the delivery and management of health care. This course emphasizes the collaborative nurse-patient relationship along with decision-making approaches and models, rationale for decisions, and the management of care for various ethical situations that occur in nursing practice. Students will engage in role-play activities to learn how to respond to ethical conflicts among healthcare team members in clinical settings. Students must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program.

**NURS 325. Geriatric Nursing.** 3 hours. This course considers the unique set of principles and body of knowledge and skills necessary to the practice of geriatric nursing. Students are provided with the theoretical background necessary to understand health system issues affecting older adults; comprehensive assessment of physical, functional, psychosocial, and cognitive capacities. In addition, principles of continuity of care, rehabilitation, nutritional and pharmacodynamic changes, diversity and ethics will be integrated throughout the course. Students must be enrolled in the ASU RN to BSN completion program to register in this course.

**NURS 330. Nursing Leadership.** 3 hours. This course examines the nurse as a leader in a variety of contexts and settings. The course provides the nurse with skills needed to ensure that employing organizations are guided accurately and effectively through periods of transformation. The course also provides strategies for handling challenges that arise in health care organizations in order to better assist nurse leaders in creating a healing environment for both consumers and

healthcare providers. Students must be enrolled in the ASU RN or BSN online program or ADN Dual Enrollment program.

**NURS 330L. Nursing Management Clinical.** 3 hours.

Application of nursing leadership and management principles learned in NURS 330 will be the focus of this course.

Application of concepts learned take place in the clinical setting. Critical thinking and evidence based practice will be emphasized.

Prerequisites: NURS 330 Minimum Grade: C OR NURS 330 Minimum Grade: T

**NURS 340. Financial Mgmt in Nursing.** 3 hours. This course explores economic issues relevant to nursing practice and health care. The course uses a systems approach to analyze the financial impact of health care decisions. The course further assesses the financial implications of nursing decisions from a clinical perspective. Topics include a myriad of financial concepts that range from staffing and budgeting to measuring productivity and forecasting costs. The goal of the course is to enable nurses in managerial roles to implement change without negatively affecting patient care outcomes. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites: NURS 330 Minimum Grade: C- OR NURS 330 Minimum Grade: T

**NURS 350. Global Health Nursing.** 3 hours. The course uses a multidisciplinary perspective to explore global issues affecting personal, community, and international health and development using approaches from health promotion, population health, and primary health care to help frame analyses. Students are exposed to basic perspectives on health policy issues throughout various geographical regions and how they are affected by significant world events. Students must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program.

**NURS 360. Service Learning.** 2 hours. The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASU nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASU Nursing Program mission with its focus on cultural diversity, community service, and rural health care.

Prerequisites: NURS 350 Minimum Grade: C- AND SOC 201 Minimum Grade: C- OR NURS 350 Minimum Grade: T AND SOC 201 Minimum Grade: T

**NURS 379. Special Topics.** .5 TO 8 hours. Offered periodically to meet student special interests in the field.

**NURS 379C. Special Topics.** .5 TO 8 hours. Offered periodically to meet student special interests in the field.

**NURS 392. Workshop.** .5 TO 8 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**NURS 404C. Service Learning Clinical.** 2 hours. The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASC nursing student will apply and

integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASC Nursing Program mission with its focus on cultural diversity, community service, and rural health care. Students must be enrolled in the ASC four-year baccalaureate program and successfully complete all previous block courses to register for this class.

**NURS 407. Obstetric Nursing.** 3 hours. This course will provide a family-centered approach to professional nursing practice of the childbearing family from pre-conception through postpartum including newborn care. Nursing care of the woman throughout the lifespan will be presented. The impact of psychosocial and cultural values and practices will be explored. Legal and ethical accountability will be integrated throughout the course. The learner will develop specific cognitive and psychomotor competencies which will be demonstrated in an effective performance in both a skills/simulation lab and clinical area. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 407C. Obstetric Nursing Clinical.** 2 hours. Emphasis in this course will be on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course is the application of skills related to caring for obstetrical and gynecological patients. Critical thinking skills will be learned and applied to visualizing complex problems and interrelationships found in the care of obstetrical and gynecological patients in a clinical setting. The application of the nursing process and evidence based criteria will be used in this process. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 408. Pediatric Nursing.** 3 hours. This course will provide a family-centered approach to professional nursing practice of children from birth through adolescence across the health continuum. The impact of psychosocial and cultural values and practices are explored. Legal and ethical accountability are integrated throughout the course. The learner will develop specific cognitive and psychomotor competencies which will be demonstrated in an effective performance in both a skills/simulation lab and clinical area. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 408C. Pediatric Nursing Clinical.** 2 hours. This course will apply skills related to caring for pediatric patients across the health continuum. Critical thinking skills will be learned and applied to complex problems and interrelationships found in the care of pediatric patients in the clinical setting. The application of nursing process and evidence based criteria will be used in this process. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 409. Psychiatric Nursing.** 3 hours. The student will explore concepts in promoting and maintaining mental health in the individual, family, group and the community. Mental health assessment, health promotion and roles and responsibilities within the profession of psychiatric nursing will

be introduced. This course emphasizes communication and caring through the application of communication skills, the therapeutic relationship and nursing process in the care and treatment of common clinical conditions/disorders in the realm of mental health nursing. The interconnection of medical and mental health symptoms will be addressed. Health care trends related to primary health care, determinants of health and wellness are examined. Concepts of crisis, comfort, anger, hope, loss, power, resiliency and integrity will be introduced. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 409C. Psychiatric Nursing Clinical.** 2 hours. This course will allow the student to apply the various concepts learned in NURS 409 and other nursing courses to patients in both acute psychiatric settings and various community settings. Students will incorporate critical thinking, the nursing process and evidence based guidelines for the care of the psychiatric patient. Health and safety needs within the psychiatric setting will be explored. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 410. Nursing Research.** 3 hours. This course stresses the role of the nurse as a researcher and a researcher consumer. It includes both quantitative and qualitative research. Skills necessary to critically read and evaluate nursing research and to use the results of research in practice and developed in this course. The historical, legal, and ethical aspects of nursing research are considered. This course also focuses on the evaluation and utilization of research and other sources of knowledge necessary to address patient needs and provide quality care. Course content covers methods, appraisal, and utilization of research findings toward the goal of implementing best practices. Barriers to the use of evidence-based practice as well as facilitating innovations within the workplace are addressed. Student must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program. Prerequisites: PSYC 211 Minimum Grade: C OR PSYC 211 Minimum Grade: T

**NURS 410C. Nursing Management Clinical.** 2 hours. Emphasis in this course is on the transition from student to the professional nursing role of the Baccalaureate prepared nurse. This course focuses on concepts learned in Medical Surgical Nursing I as a strategy for making clinical judgments and implementing care. Practice will take place in both the actual clinical setting and the simulation lab. The student will learn basic concepts in nursing as a framework for future course work. An emphasis will be placed on critical thinking and evidence based application of concepts taught.

**NURS 411. Professional Practice.** 3 hours. This course will emphasize an in depth exploration of the development of healthcare policy in the United States. The evolution of public and private healthcare insurance and the societal implications of these policies will be analyzed. Students will understand the U.S. healthcare delivery system to determine how social, political, legal, economic policy and regulatory factors affect health disparities. Access to healthcare for the American people will be addressed. Critical thinking skills will be

developed to understand future trends and changes affecting healthcare delivery policy and nursing practice. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 412. Rural/Community Health.** 3 hours. This course examines the role of the nurse in promoting the health of aggregates, families, and individuals. The concept of community as client is emphasized. The core public health functions of assessment, policy development, and assurance are explored through student involvement in the legislative process, family assessment, community assessment, case management, health teaching, and the investigation of communicable diseases. The provision of nursing care in a rural setting will also be examined. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 412C. Rural/Comm Health Clinical.** 2 hours. This course will allow students to address the concerns and health needs of the community. In a collaborative effort between the community and ASU, the students will apply knowledge gained through nursing academic coursework to implement a plan for those health concerns. Emphasis will be placed on developing interpersonal skills and achieving social changes that influence health and quality of life. Course includes an extensive clinical practicum within a public health setting with emphasis on nursing care in a rural community. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 413. Service Learning.** 1 hours. The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASU nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASU Nursing Program mission with its focus on cultural diversity, community service, and rural health care.

**NURS 413C. Service Learning Clinical.** 2 hours. The Service Learning project will provide the student with a unique opportunity to further develop the nursing role as a responsible and caring professional. In providing service to an agency or aggregate of clients, the ASU nursing student will apply and integrate concepts learned from previous coursework in the arts, sciences, humanities, and nursing in meaningful ways. The Service Learning project will enhance the ASU Nursing Program mission with its focus on cultural diversity, community service, and rural health care. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 414C. Nursing Internship.** 4 hours. Nursing 414C will be an integration of previous nursing and general education coursework into this final capstone course. This course will include an intensive field experience in an area of nursing interest to the student and comprehensive simulation lab experiences at the end of the course. Critical thinking and evidence based practice will be emphasized and evaluated within the field by a preceptor and in the simulation

environment by faculty. Students must be enrolled in the ASU four-year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 415. Nursing Management.** 2 hours. The focus of this course will be on the theories of nursing management and leadership and their application to work practices. Content will include the basic functions of management: planning, organizing, and directing. Topics such as decision-making, change, budgeting, conflict resolution and personnel issues will be explored. The students will concentrate on critical decision making and formulating independent nursing judgments in complex nursing situations. Content will also focus on supervisory skills and collaboration with other members of the health care team in the structured (hospital or nursing home) or unstructured (community assessments) health care settings. Students must be enrolled in the ASU four year baccalaureate nursing program and successfully complete all previous level courses.

**NURS 415C. Nursing Management Clinical.** 2 hours. Application of nursing leadership and management principles learned in NURS 415 will be the focus of this course. Application of concepts learned take place in the clinical setting. Critical thinking and evidence based practice will be emphasized.

**NURS 420. Intro to Managed Health Care.** 3 hours. This course is designed to familiarize the nurse with the broader context of the healthcare system within which the nurse works. The course reviews key strategic, tactical, and operational aspects of managed health care. The implications of health insurance not only in the commercial sector, but also with Medicare, Medicaid, and military health care are analyzed. Student must be enrolled in the ASU RN to BSN online program.

Prerequisites:

**NURS 430. Hlth Assmt Experienced Nurse.** 3 hours. This course emphasizes the skills essential to the assessment parameter of the nursing process. The purpose of this course is to broaden the learners' knowledge base, to increase their assessment skills, and to facilitate their ability to apply these skills in a clinical setting. The knowledge from this course is immediately applicable to everyday patient care. Students must be enrolled in the ASU RN to BSN online program.

**NURS 440. Prof Pct Role Devl Nursing.** 3 hours. This course facilitates the development and implementation of strategies to enable the synthesis of professional development for the nurse. The course enables the student to recognize and understand the critical role that nurses play in health care delivery. Students will analyze principles practice and will explore strategies to model the professional practice role in current clinical situations. Students must be enrolled in the ASU RN to BSN online program or ADN Dual Enrollment program.

**NURS 450. Intro to Case Management.** 3 hours. This course examines case management from a variety of perspectives and settings. Students will apply principles of care coordination to a current clinical setting. The course will facilitate analysis of the advantages and disadvantages of current models of care

coordination. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites:

**NURS 460. Community Health Nursing.** 3 hours. This course explores the demands of the dynamic health care system that require nurses to have an understanding of both community health nursing and population-focused practice. Nurses must be able to span systems of care and focus on the needs of aggregates, no matter where health care services are provided and/or needed. This course further explores population-focused decision making, community-based strategies for health promotion and disease prevention, primary care services, and disaster prevention and planning which are emerging issues at the forefront of healthcare services. Students must be enrolled in the ASU RN to BSN online program.

Prerequisites: NURS 430 Minimum Grade: C AND NURS 430 Minimum Grade: T

**NURS 470. Nursing Capstone.** 3 hours. This course provides the student with a synthesis practicum experience designed in collaboration with a faculty member and community representative, and completed within an appropriate health care or community based care setting. Students will integrate knowledge of evidence-based practice, quality and safety initiatives, leadership, and all previous coursework to design, implement, and lead an interdisciplinary team project to improve client outcomes. The project must demonstrate ability to synthesize and apply the knowledge and skills acquired in the RN to BSN program to real-world nursing issues and problems. This final project demonstrates student's ability to think critically and creatively, to solve practical problems related to nursing practice or the facilitation of patient-centered care, to make reasoned and ethical decisions, and to effectively communicate orally and in writing. Students must be enrolled in the ASU RN or BSN online program.

Prerequisites: NURS 460 Minimum Grade: C OR NURS 460 Minimum Grade: T

**NURS 479. Special Topics.** .5 TO 8 hours. Offered periodically to meet students' special interests in the field.

**NURS 479C. Special Topics.** .5 TO 8 hours. Offered periodically to meet student special interests in the field.

**NURS 492. Workshop.** .5 TO 8 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**PHIL 192. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 201. Intro to Philosophy GT-AH3.** 3 hours. A survey of philosophical inquiries, theories, and major problems arising from man's attempt to understand the significance of the world in which he lives and works.

**PHIL 202. Ethics.** 3 hours. An examination of criteria governing ethical responses in typical situations as presented

by representative thinkers. The application of principles in the development of reasonable standards of conduct and in the formulation of codes of ethics.

**PHIL 203. Philosophy of Religion.** 3 hours. Examination of the classical issues of religious thought, such as the existence of God, problem of evil, nature of religious language, life after death, and the pluralism of religious traditions.

**PHIL 205. Logic.** 3 hours. An introduction to the essential principles of logical thinking, with particular to the fundamentals of inductive and deductive reasoning.

**PHIL 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**PHIL 289. Meaning of Life.** 3 hours. There are three answers to whether life has meaning, value, or significance.

Supernaturalism holds that life is meaningful given a relationship with the divine, naturalism finds meaning in life though there are no gods, and nihilism argues that life has no meaning. Each of these answers will be explored in detail.

**PHIL 289B. Meaning of Life.** 3 hours. There are three answers to whether life has meaning, value, or significance.

Supernaturalism holds that life is meaningful given a relationship with the divine, naturalism finds meaning in life though there are no gods, and nihilism argues that life has no meaning. Each of these answers will be explored in detail.

**PHIL 292. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 300. Interrelations of the Arts.** 3 hours. An examination of the ways the fine arts are interrelated, with particular attention given to the differing treatments of important literary, musical, and artistic themes. Same as ENG 300.

**PHIL 303. Chinese Philosophy.** 3 hours. A critical examination of the major philosophical traditions in China. The focus will be on the methodology and content of Chinese approaches to understanding nature, human nature, society, knowledge, and the good life.

**PHIL 304. Religions of the Western World.** 3 hours. A survey of major religious traditions of the west and their early influences. The course will cover but is not limited to Zoroastrianism, Mithraism, Manichaeism, Greek and Roman, Judaism, Christianity, Islam.

**PHIL 312. Philosophy of Law.** 3 hours. This course provides an overview of the core issues in the philosophy of law. Topics include theories of law, relationship between law and morality, punishment, causation and liability, and U.S. Constitutional decisions on moral issues: abortion, death penalty, same sex marriage, obscenity, etc.

**PHIL 314. Medical Ethics.** 3 hours. With a brief introduction to ethical theory, this course will examine the core issues in medical ethics. Topics include care giver and patient relationship, assisted suicide and euthanasia, treatment of seriously ill newborns, social justice and health care, medical experimentation and informed consent, and abortion.

**PHIL 323. Atheism.** 3 hours. Examines the arguments, concepts, and objection to atheism. The course addresses



atheism in the context of morality, cosmology, and the problems of evil, faith, science, and a meaningful life.

**PHIL 324. Existentialism.** 3 hours. Introduction to Existentialism by a close reading of some of its primary texts. Existentialism concerns itself with the problems of the individual coming to term with their own existence. The course will concern itself with the structure/nature of subjectivity, relationship between the individual and others, and the meaning of life. A special emphasis will be given to religious existentialism: the relationship between the individual and the divine.

**PHIL 336. Punishment.** 3 hours. Institutional punishment is in need of moral justification. For, the intentional harming of a person is wrong, and wrongs (by definition) ought not to be done unless they are justified. But since punishment intentionally harms a person, it follows that punishment ought not to be done unless it can be justified. In this course, various justifications for punishment are explored and analyzed.

**PHIL 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**PHIL 392. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 436. American Thought.** 3 hours. The historical, philosophical, and literary ideas that have influenced American life and thought. Same as HIST 436 and GOVT 436.

**PHIL 466. Ancient Political Theory.** 3 hours. The first course of a two-semester course sequence designed to provoke philosophical reflection regarding the perennial, and still fundamental, questions about man in relation to the state. The first semester will focus on the period from Plato to St. Thomas. Same as GOVT 467.

**PHIL 467. Modern Political Theory.** 3 hours. The second course of a two-semester course sequence designed to provoke philosophical reflection regarding the perennial, and still fundamental, questions about man in relation to the state. The second-semester course will treat thinkers for Machiavelli through Marx. Same as GOVT 467.

**PHIL 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**PHIL 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHIL 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**PHIL 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHIL 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**PHYS 102. Intro to Engineering Design.** 2 hours. This course serves as an introduction to engineering design and should be taken by all students who have elected to pursue the pre-engineering curriculum at Adams State University or who have an interest in exploring engineering as a career. Students will be engaged in the design process throughout the entire course. Using LEGO Mechanical Engineering Set and the LEGO RCX Brick, students will learn about mechanical systems and design solutions to specific problems.

Prerequisites: A02 - Minimum Score: 17 OR ACMA - Minimum Score: 085 OR MATH 097 Minimum Grade: C- OR MATH 097 Minimum Grade: T

**PHYS 150. Light - GT-SC1.** 4 hours. An introductory study of light. The course will include discussion of light in the natural world as well as light in the visual arts. Topics include the nature of light (particles vs. waves), geometric optics, interference and polarization of light, analysis of many aspects of color, and various optical devices including the human eye. Special focus will be given to concepts and models of light as they relate to phenomena in the natural world and the use of light in art. The course is intended primarily for non-science majors although anyone interested in learning more about light is encouraged to consider the class. This class does not count toward a physics major.

Prerequisites: (A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C-) OR (A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: T)

**PHYS 150L. Light Lab.** 0 hours. Required zero-credit companion laboratory to PHYS 150.

**PHYS 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**PHYS 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 201. Intro to Astronomy GT-SC1.** 4 hours. An introductory course in astronomy including historical astronomy, solar system astronomy, the life cycle of stars, the structure of the galaxy, cosmology, telescope usage, and other topics as time permits. Lab activities are an essential component of the course. Students are required to attend a minimum of two evening viewing sessions during the semester. Prerequisites: A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 099 Minimum Grade: S OR MATH 099 Minimum Grade: T OR MATH 099 Minimum Grade: S

**PHYS 205. Intro to Astronomy I.** 4 hours. The first semester of an introductory course in astronomy including scale of the universe, seasons, cycles of the Moon, Sun, and planets, history of astronomy, the scientific process, time keeping and calendars, basic physics, telescopes, and the solar system.

This course includes a weekly lab and requires attendance and at least one night-time deep sky viewing at the observatory.  
Prerequisites: A02 - Minimum Score: 19 OR ACMA - Minimum Score: 085 OR MATH 097 Minimum Grade: S-C OR MATH 099 Minimum Grade: S-C OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 150 Minimum Grade: C-

**PHYS 206. Intro to Astronomy II.** 3 hours. The second semester of an introductory course in astronomy including the Sun, stars, galaxies, cosmology, and life in the universe. This course requires attendance at night-time deep-sky viewing sessions at the Adams State Observatory.

Prerequisites: PHYS 205 Minimum Grade: C-

**PHYS 210. Computer Aided Drafting.** 3 hours. This course examines the drafting/design field of mechanically oriented objects. Topics include multi-view drawings, sectioning, auxiliary views, exploded assemblies, working drawings, isometric drawings, oblique drawings, and illustration techniques, and each will be presented within the framework of computer aided drafting and design. No drafting experience is required or assumed. Some freehand drawing and sketching may be covered. This course may require additional laboratory time outside of class.

**PHYS 225. College Physics I GT-SC1.** 5 hours. The first course of a two-semester lecture/laboratory sequence introducing the fundamental principles of physics. In the first semester, students will be introduced to the areas of kinematics, dynamics, energy, momentum, heat, and sound. Conceptual understanding as well as problem solving techniques will be emphasized in the lecture. Laboratory sections meet for two hours each week and the exercises performed in the laboratory coincide closely with the topics presented in the lecture. Instructor permission must be obtained to register for this course.

Prerequisites: MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T

**PHYS 226. College Physics II.** 5 hours. The second course of a two-semester lecture-laboratory sequence introducing the fundamental principles of physics. In the second semester, students will be introduced to the areas of electricity, electric circuits, optics, and topics in modern physics. Conceptual understanding as well as problem-solving techniques will be emphasized in the lecture. The laboratory sections meet for two hours each week and the exercises performed in the laboratory coincide closely with the topics presented in the lecture.

Prerequisites: PHYS 225 Minimum Grade: C- OR PHYS 225 Minimum Grade: T

**PHYS 230. General Physics I GT-SC1.** 4 hours. A calculus-based study of the fundamental principles and concepts of mechanics, sound, heat. Designed for students planning additional course work in chemistry, physics, engineering, or mathematics. The laboratory (PHYS 231) must be taken concurrently.

Prerequisites: MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: T

**PHYS 231. General Physics I Lab GT-SC1.** 1 hours. One two-hour laboratory per week with lab projects that coincide

with the lecture material in PHYS 230. A calculus-based treatment of data will be required for some lab projects. The laboratory experience provides a vital link for students in their development of an ability to apply mathematics to simple systems, allowing them to analyze the system for theoretical behavior and to account for the errors which give them the observed behavior.

**PHYS 232. Gen Physics II (Cal) GT-SC1.** 4 hours. A calculus-based study of the fundamental principles and concepts of electricity, magnetism, and light. Designed for students planning additional course work in chemistry, physics, engineering, or mathematics. The laboratory (PHYS 233) must be taken concurrently. Note that there is no coverage of topics in modern physics" (e.g., special relativity, quantum mechanics, etc.)."

Prerequisites: (PHYS 230 Minimum Grade: C- OR PHYS 230 Minimum Grade: T) AND (MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T)

**PHYS 233. Gen Phys II Lab (Cal) GT-SC1.** 1 hours. One two-hour laboratory per week with lab projects that coincide with the lecture material in PHYS 232. A calculus-based treatment of data will be required for some lab projects. The laboratory experience provides a vital link for students in their development of an ability to apply mathematics to simple systems, allowing them to analyze the system for a theoretical behavior and to account for the errors which give them the observed behavior.

Prerequisites: (PHYS 230 Minimum Grade: D AND PHYS 231 Minimum Grade: D) OR (PHYS 230 Minimum Grade: T AND PHYS 231 Minimum Grade: T)

**PHYS 242. Statics.** 3 hours. An application of transitional and rotational equilibrium of physical structures. A few well understood basic principles will be used to analyze and solve problems in a logical manner. Vector algebra is introduced and is used throughout the course.

Prerequisites: PHYS 230 Minimum Grade: C- OR PHYS 230 Minimum Grade: T

**PHYS 243. Dynamics.** 3 hours. A one, two and three dimensional study of the kinematics and dynamics of point particles, rigid-bodies, and systems of particles using the fundamental principles of classical mechanics. The emphasis is on the development of logical problem-solving techniques using both deductive and inductive reasoning. Calculus and vector algebra are used extensively.

Prerequisites: PHYS 242 Minimum Grade: C- OR PHYS 242 Minimum Grade: T

**PHYS 244. Electric Circuits.** 3 hours. A development of the concepts used to analyze DC and AC circuits. Topics will include Kirchhoff's Voltage and Current Laws, series-parallel networks, mesh analysis, network theorems (DC and AC), and resonance circuit analysis. Mathematical techniques (determinants, Gaussian elimination) are developed as needed. This is a problem-solving class and no laboratory work is associated with the class.

Prerequisites: (PHYS 230 Minimum Grade: C- AND MATH 220 Minimum Grade: C-) OR (PHYS 230 Minimum Grade: T AND MATH 220 Minimum Grade: T)

**PHYS 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**PHYS 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 300. Electronics & Microcontrollers.** 4 hours. A combined lecture and laboratory course in electronics consisting of four laboratory contact hours and two lecture contact hours per week. The course is a study in operational amplifiers, TTL integrated circuits, and microcontroller interfacing and programming. The focus is on applications and circuit design. Offered in the fall of even years.

Prerequisites: (PHYS 226 Minimum Grade: C- OR PHYS 232 Minimum Grade: C-) OR (PHYS 226 Minimum Grade: T OR PHYS 232 Minimum Grade: T)

**PHYS 302. Mechanics.** 4 hours. Advanced study of the laws of motion using Newtonian mechanics, an introduction to Hamilton's principle and lagrangian dynamics. Topics include systems of particles, linear and driven oscillators, central force motion, motion in non-inertial reference frames, and dynamics of rigid bodies. Offered spring term of odd years.

Prerequisites: (PHYS 230 Minimum Grade: C- AND PHYS 231 Minimum Grade: C- AND PHYS 232 Minimum Grade: C- AND PHYS 233 Minimum Grade: C- AND MATH 327 Minimum Grade: C-) OR (PHYS 230 Minimum Grade: T AND PHYS 231 Minimum Grade: T AND PHYS 232 Minimum Grade: T AND PHYS 233 Minimum Grade: T AND MATH 327 Minimum Grade: T)

**PHYS 304. Electricity and Magnetism.** 4 hours. Advanced theory and applications of electrostatics and magnetostatics; steady currents; scalar and vector potentials; Gauss' Law, Laplace's equation; Ampere's and Faraday's law. This course is offered during the fall semester of odd years.

Prerequisites: (PHYS 230 Minimum Grade: C- AND PHYS 231 Minimum Grade: C- AND PHYS 232 Minimum Grade: C- AND PHYS 233 Minimum Grade: C- AND MATH 327 Minimum Grade: C-) OR (PHYS 230 Minimum Grade: T AND PHYS 231 Minimum Grade: T AND PHYS 232 Minimum Grade: T AND PHYS 233 Minimum Grade: T AND MATH 327 Minimum Grade: T)

**PHYS 306. Modern Physics.** 4 hours. A survey of topics in modern physics including: special relativity, properties of electromagnetic radiation, and introduction to quantum mechanics with applications to barriers and atoms. Additional topics vary from year to year and may include statistical mechanics, solid state physics, properties on nuclei and their transformations, natural and induced radioactivity, and elementary particles. Offered spring semesters of even years. Prerequisites: (PHYS 232 Minimum Grade: C- AND MATH 121 Minimum Grade: C- AND CHEM 131 Minimum Grade: C- AND CHEM 132 Minimum Grade: C-) OR (PHYS 232 Minimum Grade: T AND MATH 121 Minimum Grade: T AND CHEM 131 Minimum Grade: T AND CHEM 132 Minimum Grade: T)

**PHYS 320. Planetarium Operation.** 2 hours. Techniques in the preparation and presentation of planetarium shows at the Zacheis Planetarium/Observatory. This course requires instructor approval for registration purposes.

Prerequisites: PHYS 201 Minimum Grade: D OR PHYS 201 Minimum Grade: T

**PHYS 330. Numerical Meth for Scientists.** 4 hours. Numerical methods for solving physical problems including root finding, integration, differential equations, linear algebra, and Fourier methods. Students will learn to develop mathematical models for physical systems and then use spreadsheets and commercial software to quantitatively describe the behavior of those systems. Applications to real physical systems will be stressed.

Prerequisites: PHYS 230 Minimum Grade: C- AND PHYS 231 Minimum Grade: C- AND MATH 121 Minimum Grade: C-

**PHYS 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**PHYS 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 436. Research in Physics.** 1 hours. The physics capstone" experience. An independent research course tailored to meet the needs/desires of the student. The student will work with a professor on a research project either designed by the student and the professor. This course requires instructor approval for registration purposes."

**PHYS 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**PHYS 492. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PHYS 579. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interest in the field.

**PHYS 592. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PHYS 599. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 179. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interest in the field.

**POLS 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**POLS 291. American Government GT-SS1.** 3 hours. This course examines American government and politics, including the Constitution, Congress, presidency, courts, public opinion, voting, socialization, civil rights and liberties, and public policy.

**POLS 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 300. Introduction to World Politics.** 3 hours. This course is of interest to students who want a better understanding of the international political arena. The course also helps students understand contemporary world affairs.

**POLS 301. Chang Dynamics/Int'l Relations.** 3 hours. This course is intended to supplement POLS 300, but can stand on its own. It introduces students to specific topics in the international arena.

**POLS 303. Current Political Issues.** 3 hours. This course examines current controversial political issues such as affirmative action, same sex marriage, abortion, capital punishment, cloning, pornography, censorship, religion in public schools, and immigration.

**POLS 305. Religion/Politics in the US.** 3 hours. This course examines the many ways that religion plays a role in American politics including church-state relations, public opinion and voting, political culture, and public policy.

**POLS 306. Elections and Voting Behavior.** 3 hours. This course is the study of political parties, elections, campaigns, and voting behavior in the United States.

**POLS 307. Intro to World Governments.** 3 hours. This course is specifically designed to prepare education majors for the licensing exam. It is also of interest to history/political science students who want a better understanding of institutions and systems.

**POLS 308. Pacific Rim/21st Century World.** 3 hours. This course is of interest to BA in History/Anthropology/Philosophy/Political Science/Spanish: Political Science Emphasis students who want a better understanding of international politics in the Pacific Rim region. This course also helps students understand the relationship between politics and economics.

**POLS 325. Political Mvmnts/Latin America.** 3 hours. This course broadens students' understanding of Latin America by introducing them to their political aspirations and modes of organization.

**POLS 351. Congr/Presidency/Public Policy.** 3 hours. This course examines Congress, the legislative process, presidency, and how both influence the policy-making process, with emphasis on specific policies such as healthcare, education, crime, housing, and social welfare.

**POLS 358. Public Opinion & Socialization.** 3 hours. This course is an examination of public opinion and socialization in the United States. The focus of this course will be on the formation, content, and impact of public opinion on politics, elections, and policy.

**POLS 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**POLS 380. Model United Nations.** 3 hours. This course explores international diplomacy and the inner workings of the United Nations. It also provides a hands-on approach to current global debates on issues such as violent conflict, human rights and poverty.

**POLS 385. Politics and Media.** 3 hours. This course is the study of media and politics. Topics to be studied may include network and cable political shows, newspapers, campaign ads, entertainment media, the ways media influence the political process, individual opinion, and elections, and how politicians use media to win elections, govern, and make policy.

**POLS 392. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 393. Women, Politics and Culture.** 3 hours. Interdisciplinary analysis of politics and culture. Course examines the role of gender in the political culture of the United States and selected societies in industrialized and developing nations. Of special interest to those wishing to pursue an interest in women's studies and/or cultural anthropology.

**POLS 399. Individual Studies.** 1 TO 9 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**POLS 429. Constitnal Law/Criminal Justic.** 3 hours. This course examines Supreme Court decisions and doctrine in areas such as search and seizure, the exclusionary rule, interrogations, right to counsel, cruel and unusual punishment and other issues in criminal justice and the courts.

**POLS 430. Constit'I Law:Civil Liberties.** 3 hours. This course examines Supreme Court decisions and doctrine in areas such as speech, assembly, religion, privacy, press, civil rights, and election law.

**POLS 436. American Thought.** 3 hours. The interaction of religious ideas, practices, and aspirations in United States History, 1607 to Present. (Same as HIST 436 and PHIL 436)

**POLS 460. Pre-Law Studies Seminar.** 3 hours. Taught in an intensive Socratic format, this course is designed to prepare students specifically to read, write, and think like a lawyer. In addition to formal classroom exercises, students shall visit courts and interact with practicing attorneys.

**POLS 466. Ancient Political Theory.** 3 hours. This course is of interest to history/government students who want a better understanding of ancient philosophy and its relationship to political thought.

**POLS 467. Modern Political Theory.** 3 hours. This course is of interest to history/government students who want a better understanding of modern philosophy and its relationship to political thought.

**POLS 468. U.S.-Latin American Relations.** 3 hours. This course will examine U.S.-Latin American Relations from the Monroe doctrine to the Present. It will explore recent developments in U.S.-Latin American relations, particularly the growing interdependence and the impact of the end of the cold war.

**POLS 470. Modern Political Theory.** 3 hours. Through directed readings around a topic, this course permits students

to explore fundamental questions in the field of political science.

**POLS 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**POLS 492. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 499. Individual Studies.** 1 TO 15 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**POLS 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**POLS 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**POLS 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permissions and approval of the department chair.

**PSYC 101. Introduction to Psyc GT-SS3.** 3 hours. This course provides students with a survey of research and theory in the science of psychology. An important goal of the course is to broaden the student's understanding of self and others. Course topics include critical thinking skills, research methods, neuroscience, sensation and perception, life-span development, learning, memory, personality, psychological disorders, and social psychology.

**PSYC 179. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**PSYC 192. Workshops.** .5 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PSYC 199. Independent Study.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PSYC 204. Child Development.** 3 hours. The goal of this course is to examine the interaction of heredity and environment on human development from conception through pre-adolescence. Issues in physical, cognitive, and social development from the individual and normative perspectives are explored. Some topics include the birth process, early cognitive and language development, gender socialization, the impact of parenting styles, and moral reasoning.

Prerequisites: PSYC 101 Minimum Grade: C OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C

**PSYC 205. Adolescent & Adult Development.** 3 hours. This course continues the study of life-span development from adolescence through old age and death. Issues in physical, cognitive, and social development from the individual and normative perspectives are explored. Topics include identity formation, sexual orientation, marriage, models of aging, changes in cognition, social developments, and coping with old age.

Prerequisites: PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T

**PSYC 211. Intro to Stats Lecture/Lab.** 4 hours. In this course, students will develop a working appreciation of statistical concepts and applications as employed in the behavioral sciences. The course presents descriptive and inferential statistics and their applications. The laboratory component of this course gives students an opportunity to develop skills in using statistical software.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C-) AND (BUS 120 Minimum Grade: C- OR BUS 120 Minimum Grade: T OR BUS 120 Minimum Grade: C-) OR TPP - Minimum Score: 1 AND (MATH 099 Minimum Grade: C- OR MATH 099 Minimum Grade: T OR MATH 104 Minimum Grade: C- OR MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: C- OR MATH 106 Minimum Grade: T OR MATH 107 Minimum Grade: C- OR MATH 107 Minimum Grade: T OR MATH 120 Minimum Grade: C- OR MATH 120 Minimum Grade: T OR MATH 121 Minimum Grade: C- OR MATH 121 Minimum Grade: T OR MATH 140 Minimum Grade: C- OR MATH 140 Minimum Grade: T OR MATH 150 Minimum Grade: C- OR MATH 150 Minimum Grade: T OR MATH 099 Minimum Grade: C- OR MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 107 Minimum Grade: C- OR A02 - Minimum Score: 19 OR S02 - Minimum Score: 430 OR MAPT - Minimum Score: 19)

**PSYC 233. Lifespan Dev for Nurses.** 3 hours. This is a foundational course for nursing students in human growth and development. The goal of this course is to examine the interaction of heredity and environment on biological, cognitive, and social development from conception to death.

Prerequisites: PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T

**PSYC 245. Brain and Behavior.** 3 hours. This course provides students with a basic overview of the biological processes underlying human behavior. This course begins by presenting fundamental nervous system structure and processes and concludes by examining the role of biology in complex behaviors. Clinical case studies are used to illustrate psychological and neurological disorders. Sample topics include evolution and genetics, neural communication, major brain structures and their functions, human brain damage, sleep and dreaming, drug addiction, memory and amnesia, and stress and illness.

Prerequisites: PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C-

**PSYC 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**PSYC 292. Workshops.** .5 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PSYC 299. Independent Study.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PSYC 310. Child & Adoles Psychopathology.** 3 hours. This course provides an examination of the classification, scientific theories, and research regarding abnormal behavior of children

and adolescents. Distinctions between adult and childhood disorders will be explored from a developmental perspective. The study of abnormal behavior of children and adolescence (or developmental psychopathology) focuses on nature and development of mental disorders, such as depression, attention-deficit hyperactivity disorder, separation anxiety disorder, the autistic spectrum of disorders, to name just a few. Information regarding the etiology (causes) adult and childhood disorders will be explored.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 204 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 204 Minimum Grade: T)

**PSYC 315. Multicultural Issues.** 3 hours. In this course, students will explore various components of a multicultural society and the impact of social and cultural forces on identity development and formation. The processes of acculturation and assimilation will be discussed. Students will also gain insight into their own cultural experiences in a pluralistic society.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: T) AND (PSYC 205 Minimum Grade: T OR PSYC 205 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T)

**PSYC 316. Drugs, Society & Human Behavior.** 3 hours. This course addresses the social, biological, and psychological factors of the major drugs associated with therapeutic and recreational use and abuse. Topics include drug use as a social problem, theories and treatment of addiction, how drugs work, and the detrimental health effects of drug use.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 245 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 245 Minimum Grade: T) OR (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 245 Minimum Grade: C-)

**PSYC 330. Professional Seminar.** 1 hours. This course provides psychology majors with an overview of careers and opportunities in the field of psychology. Educational requirements, career opportunities, and professional and ethical issues are discussed.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 204 Minimum Grade: C- OR PSYC 205 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 204 Minimum Grade: T OR PSYC 205 Minimum Grade: T)

**PSYC 345. Psychological Testing & Assess.** 3 hours. This course provides students with an introduction to the methods and issues involved in testing and assessment. Various assessment domains are presented including personality, cognitive ability, and interests/values. Topics covered in this course include the historical foundation of assessment, reliability, validity, and test construction and ethical considerations.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 204 Minimum Grade: C- OR PSYC 205 Minimum Grade: C- AND PSYC 211 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 204 Minimum Grade: T OR PSYC 205 Minimum Grade: T AND PSYC 211 Minimum Grade: T)

**PSYC 350. Industrial/Organizational Psych.** 3 hours. This course focuses on the application of psychological principles to the workplace. The domains of personnel psychology, organizational psychology, and human factors are presented. Research and real-world applications are discussed in relation to employee selection, training, and promotion; organizational climate and leadership; and human-computer interface.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T)

**PSYC 355. Research Methods in Psychology.** 4 hours. This course focuses on the procedures and potential problems associated with research in the behavioral sciences. Students learn how to develop research questions, choose an appropriate research design, collect and analyze data using statistical software, interpret results, and write a report using APA style. The laboratory component provides supervised hands-on experience in project development.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T) AND (LS 225 Minimum Grade: C- OR LS 225 Minimum Grade: T)

**PSYC 360. Psychology of Gender.** 3 hours. This course will examine gender development from a variety of theoretical approaches, including evolutionary, cognitive, social learning, and cross-cultural. Topics will include how gender influences thinking, communication, interpersonal relationships, education, work, and family.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: T) AND (PSYC 205 Minimum Grade: T AND PSYC 205 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T)

**PSYC 365. Psychology of Sport.** 3 hours. The purpose of this course is to provide students with an understanding of sport psychology from different theoretical perspectives. This course will include elements of experimental psychology such as motivational issues, cognitive components, personality, and learning which are also apparent in sport psychology. In this broadly oriented course, practical implications that might be useful to today's athletes participating at different levels of competition will be examined.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 204 Minimum Grade: C- AND PSYC 205 Minimum Grade: C- AND PSYC 211 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 204 Minimum Grade: T AND PSYC 205 Minimum Grade: T AND PSYC 211 Minimum Grade: T)

**PSYC 375. Human Sexuality.** 3 hours. In this multidisciplinary course, students will be introduced to the physiological, medical, sociological, psychological, legal, ethical, moral, and educational facets of human sexuality. Topics in this course include male and female sexual anatomy and sexual response, contraception and disease control, sexually transmitted diseases, and sexual orientation.

Prerequisites: PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T

**PSYC 379. Special Topics.** .5 TO 6 hours. Offered periodically to meet student special interests in the field.

**PSYC 380. Health Psychology.** 3 hours. Health Psychology examines the psychosocial factors relevant to health. The course emphasis will be on the contribution of psychological theory to the encouragement of health and wellness and prevention of physical illness. Topics include stress management, health and behavior, chronic and life threatening illness, treatment, and evaluation of health-related research. PSYC 211 recommended.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: T)

**PSYC 384. Forensic Psychology.** 3 hours. This course focuses upon the application and practice of psychology in both the civil and criminal justice systems with the following topics examined in depth: police and investigative psychology, family forensic psychology, psychology of crime and delinquency, victimology and victim services, legal psychology, expert witness testimony, consulting psychology, correctional psychology, and the ethical guidelines of the professional forensic psychologist.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: T OR PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: T) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T) AND (PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: T OR SOC 455 Minimum Grade: C- OR SOC 455 Minimum Grade: T)

**PSYC 385. Cognitive Behavior Mod.** 3 hours. This course is designed to provide students with knowledge and understanding of cognitive behavioral assessment and intervention strategies. Students will learn and/or review the fundamentals of human learning, apply principles of cognitive behavioral modification to their own and others' behavior, and demonstrate an understanding of the role of ethics in the application of change strategies. Topics include traditional behavior modification, as well as contemporary social learning theory and cognitive-behavioral strategies.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 205 Minimum Grade: C- AND PSYC 211 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 205 Minimum Grade: T AND PSYC 211 Minimum Grade: T)

**PSYC 387. Adulthood and Aging.** 3 hours. This course will take the psychological, biological, and sociocultural approaches to adult development and aging. Topics will include successful aging, identity development, relationships, memory and cognition, physical aging, retirement, illness, and dying.

Prerequisites: (PSYC 204 Minimum Grade: C- AND PSYC 205 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 245 Minimum Grade: C-) OR (PSYC 204 Minimum Grade: T AND PSYC 205 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 245 Minimum Grade: T)

**PSYC 392. Workshops.** .5 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PSYC 399. Independent Study.** 1 TO 3 hours. Provides opportunity for individual research/study into problems of

special interest in the field. By faculty permission and approval of the department chair.

**PSYC 410. Social Psychology.** 3 hours. This course will examine how social processes impact thoughts, feelings, and behavior through the survey of theory and research. Topics will include attraction, aggression, helping, obedience, attitudes, and prejudice.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T) AND (PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: T) AND (PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: T) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T) AND (PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: T)

**PSYC 414. Cognitive Psychology.** 3 hours. This course presents the scientific study of the basic phenomena, concepts, and processes and neurology involved in perception, attention, memory, and higher cognitive functions. Cognitive theory and research methods are used in interpreting cognitive phenomena.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 106 Minimum Grade: T) AND (PSYC 211 Minimum Grade: T OR PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: C-) AND (PSYC 245 Minimum Grade: C- OR PSYC 245 Minimum Grade: C- OR PSYC 245 Minimum Grade: T) AND (PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: T)

**PSYC 416. Behavioral Neuroscience.** 3 hours. This course provides a more thorough examination of the biological basis of human behavior. The biological mechanisms of behavior are emphasized as well as the evolution, genetics, and adaptiveness of behavioral processes. The impact on society of recent developments in neuroscience is also examined.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T OR PSYC 106 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: T OR PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: C-) AND (PSYC 245 Minimum Grade: C- OR PSYC 245 Minimum Grade: T OR PSYC 245 Minimum Grade: C-) AND (PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: T OR PSYC 355 Minimum Grade: C-)

**PSYC 430. Abnormal Psychology.** 3 hours. The purpose of this course is to provide students with the historical and social background necessary to understand abnormal behavior. Students will examine the psychodynamic, behavioral, and cognitive approaches related to the development and treatment of mental disorders and their classifications. Topics will include schizophrenia, depression, bipolar, and personality disorders.

Prerequisites: (PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: T) AND (PSYC 205 Minimum Grade: T OR PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: T OR PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: C-) AND (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T OR PSYC 106 Minimum Grade: C-)

**PSYC 455. Evolutionary Psychology.** 3 hours. This course provides students with a detailed and thorough examination of the impact of evolution on human behavior and mental processes. An emphasis using animal behavior and evolutionary processes as a model for understanding human behavior will be utilized. Students will also be exposed to a variety of topics including, the importance of science, the evidence for evolution, selective breeding, genetic and ecological contributions to behavior, the biological constraints on learning, the development of higher mental processes, complex social behavior, and sex differences in mating behavior and cognition.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T) AND (PSYC 245 Minimum Grade: C- OR PSYC 245 Minimum Grade: T) AND (PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: T)

**PSYC 456. Theories of Learning.** 3 hours. This course presents the historical underpinnings of the major theories and principles of learning, and how they are used in applied setting. The classic learning theories and methods are contrasted with contemporary theories and research. Topics covered include classical and operant conditioning, observational learning, and motivation. PSYC 355 recommended.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T OR PSYC 106 Minimum Grade: C-) AND (PSYC 204 Minimum Grade: T OR PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: C-) AND (PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: T OR PSYC 205 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T OR PSYC 211 Minimum Grade: C-)

**PSYC 458. Sensation and Perception.** 3 hours. This course examines the physiological and behavioral components of basic sensory processes and the role they play in perception. These sensory systems include vision, audition, the somatic senses (i.e., touch, temperature, and pain) and the chemical senses (i.e., taste and smell). The development and clinical aspects of these sensory systems are also studied. Sample topics include receptors and neural processing, color perception, depth and size perception, perception of movement, speech perception, and the perception of pitch.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T OR PSYC 106 Minimum Grade: C-) AND (PSYC 211

Minimum Grade: T OR PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: C-) AND (PSYC 245 Minimum Grade: C- OR PSYC 245 Minimum Grade: T OR PSYC 245 Minimum Grade: C-) AND (PSYC 355 Minimum Grade: T OR PSYC 355 Minimum Grade: C- OR PSYC 355 Minimum Grade: C-)

**PSYC 465. Theories of Personality.** 3 hours. This course provides an introduction to the psychodynamic, trait, behavioral, biological, cognitive and humanistic approaches to personality. Specific theories and current research within each approach are reviewed. The course covers such theorists as Freud, Jung, Erikson, Skinner, Bandura, Cattell, Allport, and May.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T OR PSYC 106 Minimum Grade: C-) AND (PSYC 204 Minimum Grade: T OR PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: C-) AND (PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: T OR PSYC 205 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: T OR PSYC 211 Minimum Grade: C-)

**PSYC 468. History and Systems of Psych.** 3 hours. The goals of this course are to examine the origins of modern psychology and to explore how many of psychology's modern concerns are manifestations of continuing issues that have been part of Western psychology for hundreds of years. Course topics include the development of modern science and experimentalism, Darwinian influences, functionalism, behaviorism, cognitivism, the psychoanalytic tradition, humanism, and psychobiology.

Prerequisites: (PSYC 101 Minimum Grade: C- OR PSYC 101 Minimum Grade: T OR PSYC 101 Minimum Grade: C- OR PSYC 106 Minimum Grade: C- OR PSYC 106 Minimum Grade: T OR PSYC 106 Minimum Grade: C-) AND (PSYC 204 Minimum Grade: T OR PSYC 204 Minimum Grade: C- OR PSYC 204 Minimum Grade: C-) AND (PSYC 205 Minimum Grade: T OR PSYC 205 Minimum Grade: C- OR PSYC 205 Minimum Grade: C-) AND (PSYC 211 Minimum Grade: T OR PSYC 211 Minimum Grade: C- OR PSYC 211 Minimum Grade: C-)

**PSYC 479. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**PSYC 480. Honors Seminar in Psychology.** 3 hours. This course allows exceptional students in psychology to conduct research with a faculty member. Arrangements and approval by a faculty member are required for enrollment in this course. Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 355 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 355 Minimum Grade: T)

**PSYC 481. Honors Seminar in Psychology.** 3 hours. This course allows exceptional students in psychology to conduct research with a faculty member. Arrangements and approval by a faculty member are required for enrollment in this course. Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 355 Minimum Grade: C-) OR



(PSYC 101 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 355 Minimum Grade: T)

**PSYC 490. Field Studies in Psychology.** 1 TO 15 hours.

Senior psychology majors will gain applied experience in psychology by volunteering for a service organization.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 204 Minimum Grade: C- AND PSYC 205 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 330 Minimum Grade: C- AND PSYC 355 Minimum Grade: C- AND PSYC 430 Minimum Grade: C- AND PSYC 465 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 204 Minimum Grade: T AND PSYC 205 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 330 Minimum Grade: T AND PSYC 355 Minimum Grade: T AND PSYC 430 Minimum Grade: T AND PSYC 465 Minimum Grade: T)

**PSYC 492. Workshops.** .5 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**PSYC 493. Honors Thesis in Psychology.** 3 hours.

Exceptional students will conduct the completion of an Honors Thesis under the guidance of a faculty member of the Psychology Department. Students will complete a written thesis proposal, research, written final draft of thesis, and an oral defense. By faculty permission and approval of department chair only.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 355 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 355 Minimum Grade: T)

**PSYC 494. Honors Thesis in Psychology II.** 3 hours.

Exceptional students will conduct the completion of an Honors Thesis under the guidance of a faculty member of the Psychology Department. Students will complete a written thesis proposal, research, written final draft of thesis, and an oral defense. By faculty permission and approval of department chair only.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 355 Minimum Grade: C- AND PSYC 493 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 355 Minimum Grade: T AND PSYC 493 Minimum Grade: T)

**PSYC 495. Independent Research.** 3 hours. Exceptional students will conduct independent research or a project under the guidance of a faculty member.

Prerequisites: (PSYC 101 Minimum Grade: C- AND PSYC 211 Minimum Grade: C- AND PSYC 355 Minimum Grade: C-) OR (PSYC 101 Minimum Grade: T AND PSYC 211 Minimum Grade: T AND PSYC 355 Minimum Grade: T)

**PSYC 499. Independent Study.** 1 TO 4 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**PSYC 592. Workshops.** .5 TO 3 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**READ 060. College Prep Reading I.** 4 hours. READ 060 enables the student to apply strategies for improving

comprehension, developing vocabulary, and increasing rate for reading college textbooks.

Prerequisites: ACRD - Minimum Score: 025

**READ 090. College Preparatory Reading II.** 4 hours. READ 090 enables the student to apply strategies for improving comprehension, developing vocabulary, and increasing rate for reading college textbooks.

Prerequisites: ACRD - Minimum Score: 055

**SCED 510. Biological/Physical Research.** 3 hours. An exploration of the effects of space conditions on the human body, including immunology, neurology, cardiology, and the musculo-skeletal system. The course also presents the role of the International Space Station in advancing knowledge about humans in space as well as space biology and agriculture.

**SCED 515. Meteorology and Space Weather.** 3 hours. This course incorporate principles of meteorology as they apply to Earth's weather patterns and systems with the emerging field of space weather and how the sun, radiation, magnetic fields and other factors affect the earth's atmosphere and weather.

**SCED 520. Classroom Astronomy Principles.** 3 hours. This course takes principles of astronomy, such as orbital mechanics, and applies them across K-12 subjects (language arts, math, science, social studies) to help students develop accurate conceptual understandings about how the solar system works.

**SCED 525. Earth Systems Science.** 3 hours. This course explores the various forces that continue to shape our planet. Geologic history is used to understand such processes as erosion, deposition, global warming, and more.

**SCI 179. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**SCI 192. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SCI 199. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SCI 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**SCI 292. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SCI 299. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SCI 379. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**SCI 392. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SCI 399. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SCI 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

**SCI 492. Workshop.** 1 TO 4 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SCI 499. Individual Studies.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SCI 599. Independent Study.** 1 TO 5 hours. Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the Department Chair.

**SOC 201. Soc Imagination GT-SS3.** 3 hours. The social world is often taken for granted or reduced to explanations that stem from conventional wisdom and personal experience. This course is designed to encourage students to develop social scientific frameworks for analyzing the social world in a context that transcends conventional wisdom and personal experience. The major question is what are the social forces, operating in society and often beyond the control of individuals, that shape individual behaviors and societal changes?" Topics include culture, socialization structure, organizational behavior, social groups, deviance, and social institutions (family, religion, education, and political economy)."

**SOC 245. Criminology.** 3 hours. This course is an introduction to the field of criminology with special emphasis on theories of crime, kinds of criminals, victimology, and the criminal justice system. Special topics examined include gangs, white collar crimes, property crimes, victimless crimes, and organized crime.

Prerequisites: (SOC 201 Minimum Grade: C- AND LS 225 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND LS 225 Minimum Grade: T)

**SOC 251. Social Problems.** 3 hours. This course is designed to provide the student with a survey of selected contemporary social problems. Social problems addressed in the class may include poverty, addiction and substance abuse, mental health, violence with a focus on family violence, crime, teen sexuality and pregnancy, and health care issues. The causes, severity, and consequences of the selected social problems are explored. In addition, strategies for alleviating social problems are presented.

Prerequisites: (SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T) AND (LS 225 Minimum Grade: C- OR LS 225 Minimum Grade: C- OR LS 225 Minimum Grade: T)

**SOC 279. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 305. Rural Sociology.** 3 hours. The purpose of this course is to introduce some of the social, political, environmental, and economic problems and prospects associated with rural America. Special attention will also be given rural community services and social institutions, with some focus on the San Luis Valley and other parts of rural Colorado.

Prerequisites: SOC 201 Minimum Grade: C- AND SOC 201 Minimum Grade: T

**SOC 311. Social Statistics.** 4 hours. This course presents a general overview of the statistical methods most commonly used in sociology and the social sciences. As a laboratory

component, students will become proficient in SPSS, a computer program designed to aid statistical analysis. These skills will enable the student to read popular applications of statistics in the media with a critical eye; assess the use of statistics in the professional sociological literature; and use statistical tools to answer the sociological questions of interest. Prerequisites: (SOC 201 Minimum Grade: C- AND BUS 120 Minimum Grade: C- AND MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 155 Minimum Grade: C- OR MATH 156 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND BUS 120 Minimum Grade: T AND MATH 104 Minimum Grade: T OR MATH 106 Minimum Grade: T OR MATH 120 Minimum Grade: T OR MATH 155 Minimum Grade: T OR MATH 156 Minimum Grade: T) OR (SOC 201 Minimum Grade: C- AND BUS 120 Minimum Grade: C- AND MATH 104 Minimum Grade: C- OR MATH 106 Minimum Grade: C- OR MATH 120 Minimum Grade: C- OR MATH 155 Minimum Grade: C- OR MATH 156 Minimum Grade: C-)

**SOC 315. Sociology of Education.** 3 hours. This course explores the relationship between education and society with special emphasis on the effects of this relationship on the lives of students in the American education system.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 318. Race, Class, and Gender.** 3 hours. The focus of this course is on the interrelated ascribed statuses of race," social class, gender, and sexual orientation in American society, how they are perceived and reinforced, the social tensions that result and the dynamics of change."

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 320. Marriages and Families.** 3 hours. This course will provide an overview of the family from a sociological perspective. The family is considered to be one of the most private and pervasive institutions in society. All of us have had contact with at least one family, and many of us will be involved in several different families during our lifetime. Our experiences point to the numerous transformations in family life. To obtain a better understanding of these changes, recent sociological research and data on the family will be utilized in this course. In addition to examining the history of the family, the course will study the contemporary family and its diversity. The course will examine traditional marriage/family arrangements and alternative processes of mate selection and family formation. Finally, the course will examine parenting, the relationship between work and family, divorce and reconstituted families.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 346. Criminal Justice.** 3 hours. The focus of this course is on the organizational structures and social processes of the American criminal justice system. It will examine, in particular, the law enforcement and judicial systems.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 245 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 245 Minimum Grade: T) OR (SOC 201 Minimum Grade: C- AND SOC 245 Minimum Grade: C-)

**SOC 347. Juvenile Delinquency.** 3 hours. This course describes the nature of delinquency, including the trends, characteristics, and causes of juvenile delinquency. In addition, the course will examine theories of delinquency, social influences on delinquency, historical and contemporary overviews of the juvenile justice system, and the juvenile justice process from police involvement to the court system and corrections. Finally, methods of treatment and prevention will be identified.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 245 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 245 Minimum Grade: T)

**SOC 352. Human Behavior & Social Env.** 3 hours. This course is an introduction to the nuts-and-bolts of social work practice. The course is designed with several general objectives in mind: (1) to familiarize the student with specific techniques of social work such as the person-in-environment approach and case management, (2) to provide a fundamental understanding of roles of community and family in social work practice, (3) to explore the needs of selected special populations in the community, (4) to identify the biological, psychological, and social influences on development and behavior across the lifecycle, and (5) to introduce the student to fundamental social work practice skills.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 251 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 251 Minimum Grade: T) OR (SOC 201 Minimum Grade: C- AND SOC 251 Minimum Grade: C-)

**SOC 365. Race, Culture, and Ethnicity.** 3 hours. This course provides a sociological approach to minority and ethnic relations that will help you to understand the relevance of race and culture in society today. This course introduces the basic theories related to the study of race and ethnic relations, the histories and present status of different racial and ethnic groups in the United States and raises questions about continuing prejudice and racism in our society. Issues of immigration, cultural assimilation, cultural identity, multiracial consciousness, segregation, civil rights, and affirmative action are also explored.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 370. Poverty and Social Inequality.** 3 hours. This course examines the historical and socio-cultural factors which influence the creation and maintenance of poverty and social inequality. Emphasis will be on structural factors and theoretical explanations of poverty and inequality. This course will also focus on the implications for policy and social programs aimed at poverty and other social class issues. In addition, there will be exploration of systems of power, privilege, and domination that are central to the American social structure. Finally, the issues of empowerment, resistance, and solutions to social inequality will be assessed.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 251 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 251 Minimum Grade: T)

**SOC 379. Special Topics.** .5 TO 5 hours. Offered periodically to meet student special interests in the field.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 380. Family Violence.** 3 hours. This course examines violence in the family from sociological and criminological perspectives. It includes the types and causes of violence in families and domestic units, especially those directed against women and children (woman battering, courtship and dating conflict, and child abuse). Throughout the various types of family violence, intervention and prevention measures are examined as well as the social and legal implications of these measures.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 381. Drug Abuse and Society.** 3 hours. This course focuses on the context and correlation of drug use, relationship with crime and delinquency, and societal reaction to drug abuse. Also discussed is the study of sociological and social psychological explanations of drug-using behaviors and of legal and medical control of drugs. Finally, topics include changes in the legal status of drugs, cross-cultural and historical variations in the control of drugs, and social epidemiology of drug use in contemporary society will be examined.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 395. Pre-Professional Seminar.** 2 hours. This course provides an introduction to the profession of sociology and the various career options available to graduates. Occupational and graduate school options are explored in detail through library research, presentations, observational and volunteer experiences, and informational interviews. Skills for job interviewing, resume development, and professional correspondence are explored.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 401. Social Psychology.** 3 hours. This course will look at Social Psychology from a sociological perspective. It will consider (1) social experience gained from the individuals' participation in social groups; (2) interactions with others; (3) the effects of the cultural environment on both social experience and interactions with others; and (4) the emergence of social structure from these interactions.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 407. Demography.** 3 hours. This course examines the size, distribution, and composition of populations. It focuses on causes and implication of shifts in age, fertility, morality, and migration patterns within the United States and other countries. Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 419. Gender and Society.** 3 hours. The aim of the course is for students to become familiar with the continuing

differences and inequalities between women and men in the contemporary United States, and to begin to explain why and how they occur. Understanding gender as it relates to race, class and sexual orientation is an important organizing framework of the course. The gendered arrangements in a variety of social contexts such as the schools, the media, the family, the economy, religion and health are studied.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 425. Environment and Society.** 3 hours. The primary objective of this course is to look at the ways in which human societies - their values, behaviors, traditions, beliefs, institutions, and governments - relate to and impact the physical environment. Topics explored include: environmental movements, globalization environmental management, and government and economic policies.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 444. Deviance and Control.** 3 hours. The sociology of deviance and control examines the nature of rule-making and rule-breaking in modern societies. The course includes theoretical considerations of the causes and consequences of deviance.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 445. Sociological Theory.** 3 hours. The major theories of society are covered in their classical and contemporary forms.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C-

**SOC 447. Correctional Systems.** 3 hours. This course will focus on corrections as one of the components of the American criminal justice system and its operation within a democratic form of government. The philosophical and historical underpinnings of punishment and correction will be analyzed and compared (e.g., punishment vs. rehabilitation). Prerequisites: (SOC 346 Minimum Grade: C- AND SOC 201 Minimum Grade: C-) OR (SOC 346 Minimum Grade: T AND SOC 201 Minimum Grade: T) OR (SOC 201 Minimum Grade: C- AND SOC 346 Minimum Grade: C-)

**SOC 455. Sociological Research Methods.** 4 hours. This course is designed to expose students to a variety of research methods. Students will be instructed in the fundamentals of research design and implementation, including ethical considerations. Students will read and study the research projects of selected sociologists. Then students will engage in project to practice research methods. Finally students will design and write a research proposal. In the lab component of the course, students will analyze and interpret sociological statistical data.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 311 Minimum Grade: C- AND LS 225 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 311 Minimum Grade: T AND LS 225 Minimum Grade: T)

**SOC 470. Social Welfare Policy.** 3 hours. This course analyzes the historical development, current content, and adequacy of social welfare policies in the United States. Specific policy areas to be discussed include income

maintenance (including social insurance and public assistance), mental health, health care, and aging.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 352 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 352 Minimum Grade: T) OR (SOC 201 Minimum Grade: C- AND SOC 352 Minimum Grade: C-)

**SOC 479. Special Topics.** 1 TO 5 hours. Offered periodically to meet student special interests in the field.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 492. Workshops.** .5 TO 5 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T OR SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 493. Internship in Social Welfare.** 3 TO 6 hours. Students in the Social Welfare emphasis are placed with a human service agency in the community. One hundred and twenty volunteer hours of service with the agency are required. The student is supervised by both a Sociology faculty member and a representative from the human services agency. This course requires instructor approval for registration purposes.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 352 Minimum Grade: C- AND SOC 370 Minimum Grade: C- AND SOC 470 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 352 Minimum Grade: T AND SOC 370 Minimum Grade: T AND SOC 470 Minimum Grade: T)

**SOC 494. Internship in Criminology.** 3 TO 6 hours. The student is placed in a supervised internship with a criminal justice-related agency in the community. The student will contribute time and effort in return for practical experience.

Agencies available for placement include adult or juvenile probation and diversion, domestic violence, law enforcement, juvenile and adult corrections, district attorney, and public defender. This course requires instructor approval for registration purposes.

Prerequisites: (SOC 201 Minimum Grade: C- AND SOC 346 Minimum Grade: C- AND SOC 347 Minimum Grade: C- AND SOC 447 Minimum Grade: C-) OR (SOC 201 Minimum Grade: T AND SOC 346 Minimum Grade: T AND SOC 347 Minimum Grade: T AND SOC 447 Minimum Grade: T)

**SOC 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: SOC 201 Minimum Grade: C- OR SOC 201 Minimum Grade: T

**SOC 518. Race, Class, and Gender.** 3 hours. The focus of this course is on the interrelated, ascribed statuses of race, social class, gender, and sexual orientation in American society, how they are perceived and reinforced, the social tensions that result, and the dynamics of change."

**SOC 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SOC 592. Workshops.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SOC 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**SPAN 103. Elementary Spanish I.** 4 hours. A study of the principles of pronunciation, basic level conversation, essentials of grammar, written composition, and reading of materials of graded difficulty.

**SPAN 104. Elementary Spanish II.** 4 hours. A continuation of Span 103. Covers the principles of pronunciation, conversation, essentials of grammar, written composition, and reading of materials of graded difficulty.

Prerequisites: SPAN 103 Minimum Grade: C- OR SPAN 103 Minimum Grade: T

**SPAN 179. Special Topics.** 1 TO 8 hours. Offered periodically to meet student special interests in the field.

**SPAN 192. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 199. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 201. Pronunciation and Conversation.** 2 hours. Instruction and practice in the basic pronunciation of the Spanish sound system. Special attention and practice will be devoted to the most difficult combinations of phonemes and morphemes of Spanish for the non-native speaker. Some practice is also devoted to a basic level of Spanish conversation.

Prerequisites: SPAN 103 Minimum Grade: C- OR SPAN 103 Minimum Grade: T

**SPAN 203. Intermediate Spanish I.** 3 hours. Review of grammar, written composition, and translation. Special attention to vocabulary building. Emphasis on understanding and speaking Spanish.

Prerequisites: SPAN 104 Minimum Grade: C- OR SPAN 104 Minimum Grade: T

**SPAN 204. Reading & Conversation.** 3 hours. Readings on cultural topics, discussions, speaking activities, review of some grammatical features, attention to vocabulary building. Emphasis on understanding and speaking Spanish.

Prerequisites: SPAN 203 Minimum Grade: C- OR SPAN 203 Minimum Grade: T

**SPAN 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SPAN 292. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 299. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 310. Southwest Spanish.** 3 hours. A study of characteristics of oral Southwest Spanish. The course will explore the historical origins of Spanish in the Southwest including the conquest and colonization by the Spanish, the signing of the Treaty of Guadalupe Hildago, and the settlement

of the San Luis Valley. Issues related to bilingualism, Spanish/English contact, and attitudes toward and effects of the maintenance and loss of Spanish will be examined.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 313. Conversation and Composition.** 3 hours. This course provides instruction in the development of advanced level conversation and writing skills (spelling, paragraphs, summaries, letters, reports, etc.) in Spanish. The student will acquire the useful everyday skills needed to communicate in Spanish correctly.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 315. Spanish for Business.** 3 hours. Instruction in the specific vocabulary, grammatical structures, and cultural insights needed to effectively deal with the common everyday business interactions between the Spanish-speaking client and English-speaking business community.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 316. Spanish for Health Professions.** 3 hours. Instruction in the special vocabulary, grammatical structures and cultural understanding needed to deal effectively with the Spanish speaking patient/health professional interactions. The student will learn to interact in Spanish with a variety of simulated common everyday patient/health personnel situations.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 317. Spanish for Translation.** 3 hours. Instruction in the specific vocabulary, grammatical structures, and cultural insights needed to effectively deal with the non-technical general translations from English/Spanish or Spanish/English. Although the student will learn that there are various approaches used in the translation of texts, this course emphasizes the translation of the underlying message and its meaning based on the cultural context.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 325. Spanish Civ & Culture.** 3 hours. Instruction on selected themes taken from the historical legacy and cultural institutions of the Spanish people. The cultural topics include reading on: the Roman legacy, the church, the Moors, the great writers of the Golden Age, the great Spanish monarchs, Franco, etc. The selected themes will determine the supplemental readings that are selected in depth discussion and study.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 326. Latin American Civ & Culture.** 3 hours. Instruction on selected themes taken from the historical and literary legacy of the Spanish people. The literary topics include reading about Spanish heroism, medieval Spanish beliefs, Spanish imperialism, Spanish-Indian relations, Great Spanish explorers, etc. The selected themes will determine the reading that are selected for in depth discussion and study.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 340. Topics in Spanish Literature.** 3 hours. Instruction on selected themes taken from the historical and literary legacy of the Spanish people. The literary topics include reading about Spanish heroism, medieval Spanish beliefs, Spanish imperialism, Spanish-Indian relations, Great Spanish explorers, etc. The selected themes will determine the reading that are selected for in depth discussion and study.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 341. Topics in Latin Am Literature.** 3 hours.

Instruction on selected themes taken from the historical and literacy of the Latin American people. The literary topics include reading on: the Spanish conquest, the Indian, independence, social protest, women, religious faith, etc. The selected themes will determine the readings that are selected for in depth discussion and study.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 350. Advanced Grammar & Comp.** 3 hours. Intensive course in grammar and in the writing composition of the language. Advanced grammar principles, translation from English to Spanish and other language refinements.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SPAN 392. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 395. Spanish Phonetics--Lang Hist.** 3 hours.

Introduction to the study of the Spanish sound system including a brief background of the history and development of the Spanish language as well as some discussion of dialectal differences across the globe. Designed for those planning to teach Spanish including pedagogical concepts that can be applied in the classroom to aid students in the improvement of their Spanish pronunciation. Examine English/Spanish contrasts and includes exercises in written transcription, oral productions, and an analysis of spoken Spanish.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 396. Methods Teaching Foreign Lang.** 3 hours. A study of effective teaching methods and the development of a contextualized approach to language instruction that is based on meaningful language use, real-world communication, and interaction among learners. Emphasis will be placed on the National Standards for Foreign Language Learning and the American Council on the Teaching of Foreign Languages (ACTFL) proficiency guidelines.

Prerequisites: TEPP - Minimum Score: 1

**SPAN 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 400. Masterpieces of Spanish Lit.** 3 hours. This is a senior level course that provides an in-depth study of selected complete works of Spanish literary masterpieces. Five complete literary masterpiece works by Spanish writers will be

selected for an in-depth study. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 401. Masterpieces of Latin Am Lit.** 3 hours. This is a senior level course that provides an in-depth study of selected complete works of Latin American literary masterpieces. Five complete literary masterpiece works by Latin American writers will be selected for an in-depth study. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 411. Contemporary Spanish Lit.** 3 hours. This is a senior-level course that provides an in-depth study of selected complete works of contemporary Spanish literary works. Five complete literary works by Spanish writers will be selected for an in-depth study.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 412. Contemp Latin American Lit.** 3 hours. This is a senior-level course that provides an in-depth study of selected complete works of contemporary Latin American literary works. Five complete literary works by contemporary Latin American writers will be selected for an in-depth study. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 413. La Literatura Indigenista.** 3 hours. Study of the major themes and characteristics surrounding the social condition and plight of the Indian as portrayed in the major Latin American indigenous novels. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 414. Spanish American Thought.** 3 hours. Study of the major themes, ideas, and perspectives of major Latin American writers. The selected readings include interpretive essays, literary narratives, and philosophical works by such writers as: Samiento, Andres Bello, Juan Montalvo, Jose Marti, Octavio Paz, Jose Vasconcelos, Leopold Zea, and others. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 415. Cervantes/El Quijote.** 3 hours. A study of the life and important works of Cervantes with special emphasis on the Quijote. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 416. La Novela/Revolucion Mexicana.** 3 hours. Analysis of the most important novelists of the Mexican Revolution and their impact upon the present day political, social, and economic structure of Mexico. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 419. Golden Age Drama.** 3 hours. A study of the themes, forms and development of Spanish National Theatre

of the 16th and 17th Centuries. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 423. Modern Hispanic Short Story.** 3 hours. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 425. Hispanic Poetry.** 3 hours. A course designed to analyze the techniques, styles, etc. of selected Hispanic poetic collections. Instructor permission may be sought in lieu of prerequisites.

Prerequisites: SPAN 204 Minimum Grade: C- OR SPAN 204 Minimum Grade: T

**SPAN 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SPAN 492. Workshop.** 1 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 499. Individual Studies.** 1 TO 15 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**SPAN 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SPAN 592. Workshop.** .5 TO 6 hours. Short courses offered on an intermittent basis to meet the needs of special constituents.

**SPAN 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**SPCH 100. Speech Fundamentals.** 3 hours. A course designed to develop proficiency in oral communication: interpersonal, group, and public discourse.

**SPCH 279. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interests in the field.

**SPCH 330. Directing Forensics/Debate.** 3 hours. Methods in coaching and directing Forensics and Debate activities in secondary schools.

**SPED 341. SPED for the Diverse Student.** 2 hours. This course will focus on first and second language acquisition issues relevant to culturally/linguistically special needs students. Instructional practices for diverse populations based on effective schools research will be highlighted. Legal and legislative factors affecting culturally/linguistically diverse students will be addressed.

Prerequisites: BKCK - Minimum Score: 1

**SPED 342. Teaching the SPED Student.** 3 hours. This course is designed to provide students with knowledge of the areas of exceptionalities needed in the special education planning process. The course will include skills necessary in the multidisciplinary process for identifying students' strengths/needs in order to develop and implement Individualized Education and Transition Plans in collaboration with other special education and regular education professionals. Alternative teaching methods and approaches to instructional materials to ensure student success and

achievement will be the focus of the course. As part of this course, a ten hour practicum is required in order for ASU students to gain experience working with students who have exceptionalities in K-12 schools.

Prerequisites: BKCK - Minimum Score: 1

**SPED 343. Behavioral Mngmnt & Instruct.** 3 hours. This course is designed to provide students with the background knowledge in behavior management theory, classroom organization and planning required for facilitating student learning and further development of social skills. As part of this course, a ten hour practicum is required in order for ASU students to gain experience working with students who have exceptionalities in K-12 schools.

Prerequisites: BKCK - Minimum Score: 1

**SPED 344. Domains of Learning.** 3 hours. This course will survey learning theories relevant to the following domains; cognitive (e.g. brain-based learning), affective, social, psychomotor and communicative. Learning styles and problem-solving processes will also be addressed in the course. The application of theoretical frameworks to enhance student outcomes will be required.

Prerequisites: BKCK - Minimum Score: 1

**SPED 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SPED 440. Assessment in SPED.** 3 hours. Students will develop skills for the systematic process of gathering, interpreting, and organizing educationally relevant information based on laws, policies and legal provisions. Emphasis is placed on effective assessment principles and procedures developing both theoretical and practical knowledge for assessment-based, instructional decision making about the provision of special services to exceptional students. A focus will be on collaboration with stakeholders to interpret and apply assessment results for the determination of eligibility for special education services. Valid assessment methods will be utilized in order to limit the misidentification of CLD and CLDE students. As part of this course, a ten hour practicum is required in order for ASU students to gain experience working with students who have exceptionalities in K-12 schools.

Prerequisites: BKCK - Minimum Score: 1

**SPED 463. Special Education Law.** 3 hours. The principles of IDEA (Individuals with Disabilities Education Act) revised and implications for educational programming and instruction will be presented. Section 504 requirements and implications for special and regular education will be presented. Special attention to the educational needs of culturally and linguistically diverse special needs students will be addressed.

Prerequisites: BKCK - Minimum Score: 1

**SPED 494. Current Trends/Issues in SPED.** 3 hours. This capstone course is designed to allow students opportunities to practice essential professional skills involving consultation and collaboration with service providers. Activities will include the development of EP's focusing on student academic achievement and transition plans.

Prerequisites: BKCK - Minimum Score: 1

**SPED 495. Student Teaching in SPED.** 6 hours. The course addresses student teacher state required field experience hours to be completed in secondary school setting with a focus

on transition planning. The experience provided during student teaching will involve placement in a total inclusion setting. This practice experience helps candidates acquire necessary skills to build a community of learners. The student teaching experience requires a minimum of three hundred hours in an elementary or secondary school setting. Elementary licensure students must complete a student teaching experience in a secondary school. Secondary licensure students must complete a student teaching experience in an elementary school setting. K-12 students must complete a student teaching experience in a K-12 setting. The instructional team shall be composed of the elementary and secondary special education students, student teacher, cooperating teacher, university supervisor and the building administrator.

Prerequisites: TEPP - Minimum Score: 2 AND BKCK - Minimum Score: 1

**SPED 526. Behavior Management.** 2 hours. This course provides theoretical and practical application and knowledge of behavior management in a variety of educational settings. Topics include identification of behavior problems, design and implementation of behavioral interventions. Alternative approaches to behavior management based upon the application of various theories, which optimize the learning environment, are explored.

**SPED 530. Spec Needs Stud Instruct Meth.** 2 hours. Etiologies and characteristics of mild to moderate exceptionalities and instructional accommodations needed for the special needs student's individual education planning methods. Multidisciplinary process involved in identifying students' domain areas and strengths/needs necessary for developing and implementing Individualized Education and Transition Plans. Research-based interventions necessary for use in collaboration with other special education and regular education professionals. Alternative content teaching methods and assessments that address content standards for supporting students' success and achievement. Developing effective communication strategies to inform stakeholders about results of instruction and student outcomes.

**SPED 531. Multicultural Special Ed.** 3 hours. Addressing the assessment and instructional issues of culturally linguistically diverse learners with exceptional needs. Using culturally responsive assessment procedures to ensure appropriate instructional planning for CLDE students.

**SPED 532. Consult/Collab/Behav/Asses/IEP.** 3 hours. Development of effective communication skills, techniques for collaborative problem solving and decision making essential for working regularly with educators, ancillary personnel, parents and students. Understanding of the theoretical basis and development of skills in interviewing and conferencing techniques is stressed. Coaching in the development and implementation of Behavior Improvement Plans and gathering/analysis of needed assessment information to inform special education practices such as Identification and Progress Reporting. Progress Monitoring is also emphasized.

**SPED 533. Found SpEd & Div Learners.** 3 hours. A required course to meet CDE generalist licensing requirements. Issues and trends related to specialized instruction, curriculum, assessment, and to meeting the needs of exceptional students,

including medically fragile and culturally linguistically diverse learners. Issues include the over- and under-identification of culturally diverse students in special education and gifted education programs and review of assessment procedures and assessment principles to ensure consideration and sensitivity of student diversity.

**SPED 534. Theories of Learning.** 3 hours. Exploration of learning theories and the implications and applications of theory to planning and intervention within the school setting. Emphasis is placed on the implications for children with handicapping conditions.

**SPED 535. Methods Intervention Sign Nds.** 2 hours. Etiologies and characteristics of significant exceptionalities and instructional accommodations and modifications needed for the special needs student's individual education planning methods. Multidisciplinary process involved in identifying students' domain areas and strengths/needs necessary for developing and implementing Individualized Education and Transition Plans. Research-based interventions necessary for use in collaboration with other special education and regular education professionals. Alternative content teaching methods and assessments that address content standards, including extended evidence content standards for supporting students' success and achievement. Developing effective communication strategies to inform stakeholders about results of instruction and student outcomes.

**SPED 539. Transition to Adulthood.** 3 hours. This course is designed to support the student in meeting legally required IEP Transition to Adulthood Outcomes in alignment with CDE/OSEP guidance. Assessing, identifying and progress monitoring skills related to transition to adulthood needs for students in special education, working with other school personnel to achieve transition outcomes will be emphasized.

**SPED 540. SP Educational Assessment/ID.** 2 hours. Developing skills for the systematic process of gathering, interpreting, organizing and applying educationally relevant information based on laws, policies and legal provisions. Using valid assessment methods to appropriately identify students with disabilities.

**SPED 542. SPED Law.** 2 hours. National and state laws targeting special education assessment and instruction. Examining Section 504 requirements and developing instructional plans for general and special education students.

**SPED 550. Assessment Internship.** 1 hours. Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is practical application of planning and completing evaluation for identification of students with disabilities and updating IEP's at annual reviews.

**SPED 551. Mild - Moderate Nds Internship.** 1 hours. Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this



internship is practical application of IEP implementation for students with mild to moderate disabilities.

**SPED 552. Significant Needs Internship.** 1 hours. Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is practical application of IEP implementation for students with significant disabilities.

**SPED 553. Behavior Mgmt Internship.** 1 hours. Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 50 clock hours. The focus of this internship is applying Behavior Management strategies in a school setting.

**SPED 554. Internship - On Site.** 8 hours. Field experience for certification/licensure only students who are not currently employed in an appropriate setting. The field experience provides supervision or guidance by an appropriately endorsed sponsor and the direct support and guidance of a college supervisor. Field experiences will be at both the elementary and secondary levels. A minimum of 400 clock hours is required.

**SPED 555. Internship - On Site.** 6 hours. Field experience for student seeking licensure of the Master of Arts degree who are currently teaching full-time in an appropriate setting. The field experience provides supervision or guidance by an appropriately endorsed sponsor and the direct supervision of a college supervisor for one semester.

Prerequisites: TEPP - Minimum Score: 1

**SPED 556. Internship - Selected Site.** 6 hours. Field experience for students seeking licensure of the Master of Arts degree who are not currently employed in an appropriate setting. The full-time field experience provides supervision or guidance by an appropriately endorsed sponsor and the direct support and guidance of a college supervisor. A minimum of 310 clock hours is required.

**SPED 558. Internship Alternate Site.** 2 hours. Field experience for student seeking licensure and the Master of Arts degree who are currently teaching full time in an appropriate setting. The field experience provides guidance by an appropriately endorsed mentor and the direct supervision of a university supervisor for 100 clock hours with an alternate age group of students.

Prerequisites:

**SPED 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**SPED 592. Workshop.** .5 TO 5 hours. Short course offered on an intermittent basis to meet the needs of special constituents.

**SPED 599. Individual Studies.** 1 TO 7 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.

**THTR 180. Intro to Theatre GT-AH1.** 3 hours. This course is a study of theatre as an art with an emphasis upon its cultural

and social influence in society. It examines the simultaneous evolution of several facets of theatre, including acting, directing, play writing, the physical stage, performance conditions, and dramatic literature. The course focuses on demonstrating the collaborative, eclectic nature of theatre, and on providing students with a sophisticated understanding of how live performances have evolved to meet the demands of each society through the ages.

**THTR 205. Improvisational Acting.** 3 hours. This course is an introduction to improvisation as a form of comedy entertainment. Both short and long form will be covered. Completion of this course is a prerequisite for membership in the Adams State University Improvisation Troupe, the Lost and Found.

**THTR 210. Stage Makeup.** 3 hours. Fundamental elements of design and application of theatre makeup. Painted theatrical makeup, latex, crepe hair, putty wax, prosthetics, and simulated physical trauma will be executed in this course.

**THTR 213. Oral Interpretation of Lit.** 3 hours. Helps develop effectiveness in personal expression and abilities in the oral interpretation of fiction, nonfiction, and poetry.

**THTR 223. Beginning Acting.** 3 hours. An introduction to the art of performing using the Stanislavski system of acting. Classes will consist primarily of in-class activities designed to demonstrate acting concepts and principles. This course requires active participation in discussions, exercises, and the presentation of performances.

**THTR 242. Voice for Performance.** 3 hours. Study of the physical nature of voice production and the sound and mechanisms of speech, including articulation, register, and range. Individual analysis and performance.

**THTR 250. Cinema.** 3 hours. An introduction to American cinema. This course will cover such topics as the history of cinema, film analysis, cinematography, editing techniques, film genres, screen writing, and the motion picture industry's responses to cultural issues.

**THTR 279. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**THTR 285. Stage and Theatre Management.** 3 hours. A study of the principles and responsibilities of the stage/theatre manager, including safety and emergency procedures, theatre organization, rehearsal and production duties, box office and house management, public relations and publicity.

**THTR 288. Intermediate Acting I.** 3 hours. This course focuses on the physical aspects of acting. While previous acting courses introduced techniques dealing with creating a character, script analysis, and scene work, this course explores alternative movement-based approaches to acting. Instructor permission must be obtained to register for this course.

Prerequisites: THTR 223 Minimum Grade: C- OR THTR 223 Minimum Grade: T

**THTR 292. Workshop.** 1 TO 6 hours. A short course offered on an intermittent basis to meet the needs of special constituents.

**THTR 310. Intermediate Acting II.** 3 hours. Advanced study of the techniques of acting. Emphasis will be placed on character and script analysis using the Stanislavski system of

acting. Additionally, other significant theories of acting will be introduced. Instructor permission may be obtained to register for this course.

Prerequisites: THTR 223 Minimum Grade: C- OR THTR 223 Minimum Grade: T

**THTR 325. Styles of Acting.** 3 hours. Character analysis and development involved in performing tragedy, serious drama, farce, and high comedy. Instructor permission must be obtained to register for this course.

Prerequisites: THTR 233 Minimum Grade: C- OR THTR 233 Minimum Grade: T

**THTR 329. Women and Drama.** 3 hours. A survey of the history and literature associated with women in theatre. The course will include the history of actual women involved in the evolution of western and eastern theatre traditions as well as playscripts which deal with the subject of women's issues. There will be a strong emphasis on the incorporation of contemporary dramatic theory, especially feminist theory, to analyze dramatic texts. The course will cover Greek through Contemporary Drama.

**THTR 333. Theatre Design.** 3 hours. Principles and aesthetics of design for creating scenic, lighting, and sound designs for a variety of stage configurations.

Prerequisites: THTR 351 Minimum Grade: C- OR THTR 351 Minimum Grade: T

**THTR 335. Theatre Practicum.** 1 TO 3 hours. Participation in university theatre productions under the supervision of the Theatre faculty. Credit may be earned for: lighting, set construction, house management, costuming, publicity, etc. May be repeated for credit. Instructor permission is required for registration into this course.

**THTR 340. Costume Design.** 3 hours. Fundamental elements of design and study of critical historical periods of costume from Greek through present day.

**THTR 345. Improv Troupe Practicum.** 1 TO 3 hours. Participation in college Improvisation Troupe under the supervision of the Theatre faculty. May be repeated for credit. No more than three credits will count towards major requirements. Instructor permission is required for registration into this course.

Prerequisites: THTR 205 Minimum Grade: C-

**THTR 347. Theatre and Social Change.** 3 hours. This course is an introduction to the ideas and practice of theatre as a catalyst for social change. It examines the intersection between theatre, society, and political activism.

**THTR 351. Stagecraft.** 3 hours. A hands-on approach to the fundamentals of technical theatre. Students will have the opportunity to learn mechanical drawing, stage carpentry, welding, set construction, stage lighting, scenery painting and the use of a variety of fasteners, hand tools, and power tools.

**THTR 368. Performance Art.** 3 hours. A study of Performance Art with an emphasis on its history, theory, and creation of original performance.

**THTR 375. Creative Dramatics.** 3 hours. Designed for those who will work with groups of children and adolescents, the student will learn to utilize the foundations of drama and dramatic technique in order to teach literary and nonliterary lessons.

**THTR 379. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**THTR 385. Play Direction.** 3 hours. A comprehensive study of the numerous functions of the stage director, from pre-season play selection to post-production evaluation. The focus will be placed upon script analysis, development of design concepts, principles of blocking and movement, pacing, and communicating with actors and the design team.

Prerequisites: THTR 223 Minimum Grade: C- OR THTR 223 Minimum Grade: T

**THTR 392. Workshop.** 1 TO 6 hours. A short course offered on an intermittent basis to meet the needs of special constituents.

**THTR 399. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**THTR 401. Theatre Hist:Begin Thru 17th C.** 3 hours. A study of the developments in the history of theatre from the theories of its own origins to its practices in 17th century Europe. A secondary focus of the course will be the study of selected dramas representative of these periods.

**THTR 402. Theat Hist:18th Cent-Pres Day.** 3 hours. A study of the developments in the history of theatre from its practices in the 18th century to the present day. A secondary focus of the course will be the study of selected dramas representative of these periods and of dramatic practices in non-European countries or America.

**THTR 403. Shakespeare.** 3 hours. An advanced study of the plays of William Shakespeare. Emphasis will be placed upon analysis and interpretation of the drama structure, the dramatic action, and the language of representative comedies, histories, and tragedies.

**THTR 430. Business of Theatre.** 3 hours. This course is an exploration of the business of theatre, with the purpose of preparing students for entrance into the professional and/or academic world of theatre post-graduation.

**THTR 465. Modern Drama.** 3 hours. Study of the diverse trends in playwriting and theatrical performances over the past 100 years, as viewed through the works of the major playwrights of Europe and United States. The focus of the course will be placed equally upon script analysis and dramaturgy.

**THTR 470. Classical Drama.** 3 hours. A chronological study of the major periods of dramatic literature, from the emergence of Greek tragedy in the 5th century B.C. to the development of European realism in the late 19th century. The focus of the course will be placed equally upon script analysis and dramaturgy.

**THTR 472. Contemporary Drama.** 3 hours. This course will require students to analyze and discuss contemporary dramas of two types; those which do not necessarily fit the typical genres, structures, and styles of modernist drama (e.g., commercial drama, television drama, commercial film script), and those which focus on the concerns of marginalized groups in America (e.g., gay and lesbian, African-American, Asian-American, Native Americans, Latino, etc.).

**THTR 479. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**THTR 480. Dramatic Theory and Criticism.** 3 hours. An advanced examination of selected critical writings of major theorists and critical theories in theatre, beginning with the study of Aristotle and including the application of contemporary theories to a variety of playscripts.

**THTR 490. Senior Thesis.** 3 hours. An advanced examination of a single area of theatre. This is the graduating senior's capstone project. The precise nature of the project will be designed in consultation with the student's advisor. Theses may include a significant research and writing project or a creative performing arts project, such as the direction or design or stage management of a play. Instructor permission is required for registration into this course.

**THTR 492. Workshop.** 1 TO 6 hours. A short course offered on an intermittent basis to meet the needs of special constituents.

**THTR 499. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

**THTR 579. Special Topics.** 1 TO 6 hours. Offered periodically to meet student special interests in the field.

**WS 201. Women's Studies.** 3 hours. An interdisciplinary analysis of women's position in society as presented through the disciplines of history, sociology, anthropology, theology, psychology, literature, and the fine arts. The course will examine theoretical approaches to the differential access to power between men and women and the existence of patriarchy in Western culture.

**WS 294. Women's Studies.** 3 hours. An interdisciplinary analysis of women's position in society as presented through the disciplines of history, sociology, anthropology, theology, psychology, literature, and the fine arts. The course will examine theoretical approaches to the differential access to power between men and women and the existence of patriarchy in Western culture.

**WS 379. Special Topics.** 1 TO 3 hours. Offered periodically to meet student special interest in the field.

**WS 599. Individual Studies.** 1 TO 6 hours. Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the Department Chair.