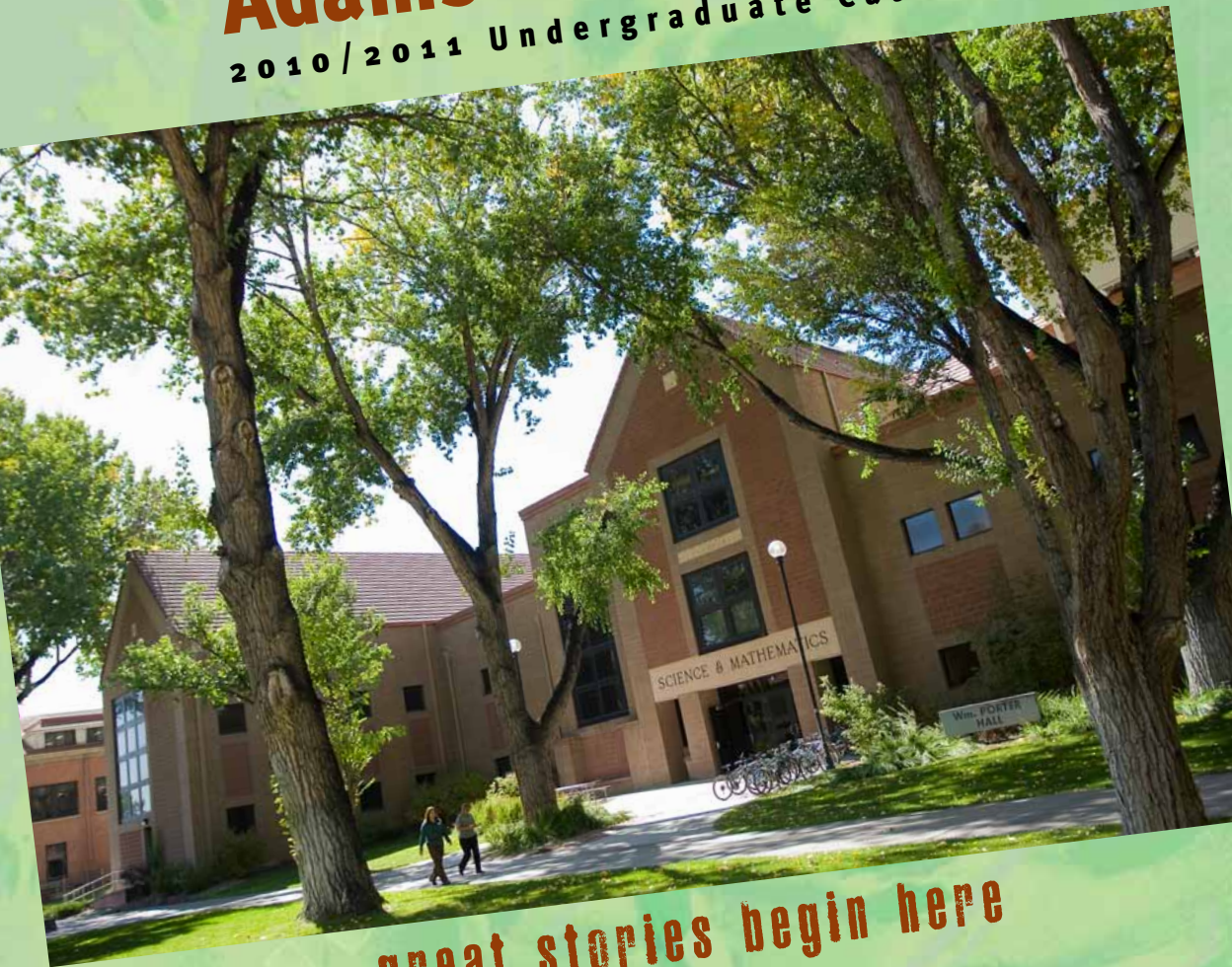


# Adams State College

2010/2011 Undergraduate Catalog



great stories begin here



*Great Stories Begin Here*  
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# Adams State College

Alamosa, Colorado

## **Undergraduate Catalog 2010-11**

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For more information, please phone or write —

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Adams State College  
Alamosa, CO 81102  
719-587-7712

Main ASC switchboard —  
719-587-7011

Toll Free —  
1-800-824-6494

Or visit our Web site at —

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

## Message from the President

“Great Stories Begin Here” is not simply a slogan at Adams State College. For our thousands of successful graduates, it’s reality. They’ve experienced for themselves how a college education creates new possibilities.

A bachelor’s degree is a basic requirement for most professional careers, and it results in \$1 million more in lifetime earnings. But the true value of a higher education is in the empowerment it brings. The knowledge, growth, choices, and relationships developed over the course of earning a bachelor’s degree allow you to author your own “Great Story.”

Adams State’s first priority is helping students achieve success. We were founded to bring higher education opportunities to rural Colorado. Adams State is particularly ideal for first-generation and minority students.

- Adams State’s great professors truly care about their students. Teaching comes first.
- Adams State has the most affordable resident tuition in Colorado. Our admissions and financial aid offices aim to give students the maximum aid possible.
- Adams State is not just a college – it’s a community. Campus visitors are impressed with how our faculty, staff, and the surrounding community all support our students.

Adams State College is a special place that can help to transform your life. Successful ASC graduates are able to control their lives, rather than life controlling them. Our average class size is 18 students and nearly all of the classes you will take on ASC’s campus will be taught by full-time faculty with the highest degree in their discipline. They will get to know you by your first name and they will be available for out of class tutoring, assistance and advice.

I cannot promise that all of your courses will be easy - they will not be - there is no “easy button” in college. I can promise you, that if you study hard and work with your teachers that your life will be transformed. Four-year college graduates are critical thinkers who vote at a higher rate than non-college graduates, are engaged in their communities, earn at least 1 million dollars more during their work life and live healthier life styles.

Adams State College is the place for you if you prefer small class size, want instruction by professors whose only job is to teach, want to get to know your professors out of class and desire to gain all the advantages of a four-year college education in a comfortable small town environment.

Thank you for considering Adams State College, and welcome!

Dr. David Svaldi  
President  
[adams.edu/president](http://adams.edu/president)

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

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

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

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

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Distance Education Director  
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# Academic Programs

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

## Associate Degrees (A.A./A.S.)

### Associate of Arts/Associate of Science

With emphases in:

- Art Studio
- Computer Security
- Early Childhood Education
- Elementary Education
- Geographic Information Systems
- General Business
- Multimedia Journalism
- Social Studies
- Theatre

(Other emphases may be available)

## Bachelor's Degrees and Licensure Programs

- + Secondary Teacher Licensure available
- \* Bachelor of Arts degree only
- \*\* Bachelor of Science degree only
- \*\*\* Bachelor of Fine Arts degree only
- Distance Degree Program/Off Campus

### Art

With emphases available in:

- Art Education K-12 Teacher Licensure \*
- Liberal Arts (Studio Art) \*
- Fine Arts \*\*\*

Concentrations and majors available in:

- Art History \*
- Ceramics \* \*\*\*
- Design \*
- Drawing\* \*\*\*
- Fiber \* \*\*\*
- Graphic Design \*\*\*
- Metals & Jewelry \* \*\*\*
- Painting \* \*\*\*
- Photography \* \*\*\*
- Printmaking \* \*\*\*
- Sculpture \* \*\*\*

### Biology

With emphases available in:

- Liberal Arts \*
- Cellular and Molecular Biology\*\*
- Organismal Biology\*\*
- Science Education \*+
- Wildlife \*\*

### Business Administration

With emphasis required in one:

- Accounting \*\*
- Advertising \*
- Agribusiness \*\*
- Applied Business \*~
- Business Teacher Education \*+
- Economics \*\*
- Finance \*\*
- General Business \*~\*\*
- Health Care Administration \*\*
- Legal Studies ~ \*\*
- Management ~ \*\*
- Management Information Systems ~\*\*
- Marketing \*\*
- Office Management \*\*
- Pre-International Business \*
- Small Business \*\*

### Chemistry

With emphases available in:

- Allied Health \*
- Chemical Physics \*
- Biochemistry \*
- Science Education \*+

### English \*

With emphases required in one:

- Mass Communication
- Creative Writing
- Liberal Arts
- Secondary Licensure English Education +

### Human Performance and Physical Education \*

With emphases available in:

- K-12 Physical Education Teaching+
- Exercise Science and Sport Administration

### Earth Sciences

With emphases available in:

- Science Education (Earth Science) \*+
- Physical Geography\*
- Geology \*
- Geology \*\*

### History/Government \*

With emphases available in:

- History
- Government
- Social Studies Secondary Education
- Licensure (Social Studies+)

### Interdisciplinary Studies (Non-licensure) \*~



### **Interdisciplinary Studies (with licensure)\***

With Elementary Education Licensure  
With Elementary Education Licensure  
with Early Childhood Endorsement  
With Elementary Education Licensure  
with Special Education Generalist  
Endorsement  
With emphases/minors in  
Music  
Science  
Literacy  
Math  
Art  
Social Studies  
HPPE  
Spanish

### **Mathematics**

With emphases available in:  
Computer Science \*\*  
Mathematics Education \*+  
Physics \*\*

### **Music \***

Music Education K-12 Teacher Licensure  
Major in Music with emphases available in:  
Liberal Arts  
Music Business (submitted for plan approval)  
Music Composition  
Music Performance

### **Nursing \*\***

B.S.N. (4-year B.S. degree in Nursing)  
R.N. to B.S.N.

### **Psychology \***

Psychology \*  
Sport Psychology \*

### **Sociology \***

With emphases available on campus and via  
distance degree in:  
Criminology \*-  
Social Welfare \*-  
With emphases available via distance degree only:  
Criminology-Corrections \*-  
Criminology-Law Enforcement \*-

### **Spanish \***

Liberal Arts  
Secondary Education Teacher Licensure +

### **Theatre**

Liberal Arts  
Secondary Teacher Licensure Education +

### **Teacher Licensure Programs**

Elementary Education Licensure  
with B.A. in Interdisciplinary Studies  
Early Childhood Education Endorsement  
Special Education Generalist Endorsement  
Secondary Education Licensure  
with bachelor's degree in:  
Business  
English  
Foreign Language  
Mathematics  
General Science  
Social Studies  
K-12 Education Licensure in:  
Art  
HPPE  
Music  
Post-Baccalaureate Licensure (*pending*)  
Elementary or Secondary/K-12 Education

### **Bachelor Minors**

Accounting  
Anthropology  
Art  
Athletic Coaching  
Biology  
Business Administration (not with business *major*)  
Chemistry  
Communication/PR/Radio  
Communication Technology  
Computer Science  
Creative Writing  
English  
Environmental Science  
Finance  
French  
General Science  
Geology  
Government  
History  
Human Performance and Physical Education  
Management  
Management Information Systems  
Marketing  
Mathematics  
Music  
Philosophy  
Physics  
Psychology  
Religious Studies  
Sociology  
Spanish  
Sport Studies  
Theatre  
Women's Studies

## **Preprofessional Programs**

Pre-Dentistry  
Pre-Engineering  
Pre-Law  
Pre-Medicine  
Pre-Nursing  
Pre-Optometry  
Pre-Osteopathy  
Pre-Pharmacy  
Pre-Physical Therapy  
Pre-Veterinary Medicine

## **Certificate Program**

Health Care Administration

## **Master's Degrees**

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

with concentrations in

- Ceramics
- Drawing
- Fiber
- Metalsmithing
- Painting
- Photography
- Printmaking
- Sculpture

### **Master of Arts in Clinical Mental Health Counseling**

### **Master of Arts in Education**

with emphases or endorsements in

- Curriculum and Instruction Emphasis
- Educational Leadership Endorsement (principal licensure)
- Linguistically Diverse Educator Endorsement
- Reading Teacher Endorsement

### **Master of Arts in Higher Education Administration and Leadership**

### **Master of Arts in Human Performance and Physical Education**

with emphases in

- Exercise Science
- Sports Administration
- Coaching (online only)

### **Master of Arts in Humanities**

with emphasis in American History

### **Master of Arts in School Counseling (K-12)**

### **Master of Arts in Special Education Generalist with Special Education Generalist Endorsement**

### **Master of Business Administration (M.B.A.)**

with emphases in:

- Health Administration
- Public Administration
- Leadership

## **Endorsement Only Programs**

The endorsement programs listed below are available to students who hold a current Colorado teaching license.

- Educational Leadership (principal licensure)
- Linguistically Diverse Educator Endorsement
- Reading Teacher Endorsement
- Special Education Generalist Endorsement

A **School Counseling K-12** endorsement program is available to students who already hold a master's degree in counseling.

## **Leadership Institute**

Higher Education Administration and Leadership (HEAL) Executive Leadership Institute

# Adams State College

## Mission

Adams State College dedicates its resources to provide opportunity and access for all students. The college is an innovative leader that recognizes the inherent educational value of diversity. It is a catalyst for the educational, cultural, and economic interests of rural Colorado, the surrounding region, and the global community.

## Vision Statement

We measure our success by the success of our students. We challenge ourselves to become Colorado's most effective state-assisted, four-year college. Our efforts will be to provide a high-quality educational experience in a supportive environment. Our programs will recognize the value of both continuity and change, will welcome diversity, and will stimulate intellectual growth.

## Institutional Goals

- Promote academic excellence
- Cultivate a high-quality, student-centered environment
- Provide educational access and opportunity for success
- Preserve and promote the unique history and culture of the region
- Stimulate economic development in the San Luis Valley
- Improve organizational effectiveness
- Build financial stability

## Adams State College General Information

Since its founding in 1925 as a teacher's college for rural Colorado, Adams State has always made important contributions in these arenas. The Regional Education Provider designation now clearly directs the college to focus resources, energy, and vision on identifying and meeting needs of the San Luis Valley and Colorado. This role brings together the programs offered both on campus and through distance-education programs. Adams State's residential campus in Alamosa is at the heart of this mission. The on-campus experience gives students an education that has been recognized statewide for excellence, in a campus setting that is dynamic, supportive, and offers diverse opportunities for involvement and leadership.

Adams State College offers recognized programs of excellence, with the School of Business, Department of Biology, Department of Music, and Counselor Education program being named Programs of Excellence by the Colorado Commission on Higher Education.

Students receive supportive mentoring and individual attention, due to small class sizes and a faculty committed to superior classroom teaching. Students are encouraged to become involved in the campus community and are given the latitude to discover their strengths.

Adams State emphasizes its service as a gateway to opportunity for San Luis Valley residents, continuing its historic commitment to and 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.
- 38 percent of the student body is from minority groups.
- Twenty-nine percent of the student body is of Hispanic ethnicity.
- Financial aid is awarded to more than 90 percent of Adams State students.

Adams State's strong on-campus programs are the basis of its off-campus and distance-education programs. Adams State has been unique among the state colleges in providing graduate programs in education and counseling around the state. The REAP (Rural Education Access Program) is successfully helping place-bound students in southeastern Colorado complete Adams State bachelor's degrees in their communities. Our Extended Campus also offers a range of professional development and noncredit courses available online, via correspondence, and at various sites across the state.

To be successful in fulfilling this part of its Regional Education Provider mission, Adams State established partnerships with K-12 education, Trinidad State Junior College, and other postsecondary education institutions in Colorado. One example is a Title V grant designed to expand educational access for Hispanic students. The \$3.4-million grant funds the project, which is in cooperation with Trinidad State Junior College and Otero Junior College.

## Academic Calendar

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

### Accreditation

Adams State College is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges and Schools at 30 North LaSalle Street, Suite 2400, Chicago, Illinois, 60602-2504. 800-621-7440 or [www.ncahigherlearningcommission.org](http://www.ncahigherlearningcommission.org)

Individual programs are accredited through the National Association of Schools of Music, Teacher Education Accrediting Council (TEAC) and the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Adams State College is an institutional member of the American Council on Education, the American Association of Colleges for Teacher 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. The college is approved by the American Association of University Women.

### The Campus

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

The 97-acre Adams State College campus is characterized by excellent facilities, notably the following:

### The Nielsen Library

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

The center of an institution of higher education should be its library. Adams State College's Nielsen Library, constructed of Colorado red stone and accented with white columns and trim, was completed in 1973. Housed in Nielsen are 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 college. 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.

#### Nielsen Library Staff

David Goetzman, Acting Director and Technical Services Librarian

Glenda Geu, Technology and Acquisitions

Brian Rauscher, Reference/Instruction Librarian

Mary Walsh, Resource Sharing Librarian

Paul Mascarenas, Public Services Reference Librarian

Murleen Goodrich, Library Technician

Karen Melgares, Library Technician

### Instruction Buildings

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

- The **School of Business** was remodeled in 2004 and features SMART classrooms, lecture halls, and advanced computing labs.
- The **Adams State Theatre**, equipped with modern stage, 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 **Music Building** features state-of-the-art computer technology for composing acquired through a Program of Excellence Grant.

- The **Education and Social Sciences Building** has been updated with a number of SMART classrooms used by programs in education, English and languages, history/government, psychology and sociology.
- The **Zacheis Planetarium and Observatory** offers Adams State students unique opportunities to expand their knowledge and experience well beyond the classroom through interaction with the public or individual research projects.
- **Leon Memorial Concert Hall** is an acoustically-designed recital venue featuring a Steinway grand piano and a historic pipe organ.
- **The SLV Center for Clinical Excellence** features a state-of-the-art nursing simulation laboratory for preparing our nursing students for clinical experience.

## Student Union Building

The Student Union Building is the focus of campus life. It houses the One Stop Student Services Center, La Mesa Dining Hall, and the Adams State College Bookstore. Also located in the SUB are offices of the student government, student newspaper, and a 24-hour computer lab. Other facilities include a food court, coffee shop, convenience store, study rooms, meeting rooms, and the newly remodeled 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, 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. Located here are Upward Bound, the Counseling and

Career Center, the Nursing Department, the San Luis Valley Center for Clinical Excellence, classrooms, an auditorium, the Luther Bean Museum and Art Gallery, 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 College, 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 college 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, associate degrees, and selected preprofessional programs of study. Adams State College 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 College 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.edu/students/valley-info/valley-info.php](http://adams.edu/students/valley-info/valley-info.php)

Adams State College 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.

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)

## Extended Studies

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

Adams State College Extended Studies delivers many of the same high-quality courses and programs offered on campus using the flexibility of distance delivery. Adams State College Extended Studies connects with more than 15,000 students, with more than 25,000 enrollments, and 1,400 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 College, 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
- Bachelor of Arts in Business Administration  
Emphasis Areas: Applied Business and General Business
- Bachelor of Science in Business Administration  
Emphasis Areas: General Business  
Legal Studies, Management, and Management Information Systems
- Bachelor of Arts in Interdisciplinary Studies with licensure in Elementary Education: cohort with online delivery (minimal travel to ASC campus in Alamosa required)
- 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 Extended Studies and 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 Educator Endorsement
  - or with Reading Teacher Endorsement

- 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 Special Education Generalist with Special Education Generalist Endorsement
- Master of Business Administration with emphases in:
  - Health Administration
  - Public Administration
  - Leadership

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

### Other Extended Studies Services

Adams State College 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  
Management Information Systems Certificate, Paralegal Certificate, and Legal Studies Certificate programs are offered
- 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 [extudies.adams.edu](http://extudies.adams.edu)

## The Graduate School

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

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 College 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.

### Master's Degree Offerings:

#### Art —

Art has the ability to provoke, evoke, stimulate and inspire. As such, it is the mission of the Art Department to develop in students the breadth of understanding necessary to explore new ideas and challenge convention. Our goal is to enable students to create the greatest art of all: art that makes a difference.

The graduate program provides a forum for art education issues through interaction with other professional art educators. In addition, the graduate program serves the practicing artist in his or her endeavor to elevate individual artistic experience to a higher plane. 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.

The program is offered full or part time on campus and may be completed in summer-only format. Concentrations available in Ceramics, Drawing, Fiber, Metalsmithing, Painting, Photography, Printmaking, and Sculpture.

#### Business —

The Master in Business Administration (M.B.A.) program has three different emphasis areas: Leadership, Health Administration, and Public Administration. The online curriculum is well suited for people with either business or non-business bachelor degrees. Graduate students will spend six continuous semesters over two years, learning key business concepts to make them more effective in their current occupation or open new employment opportunities. The program consists of 12 online courses and 2 four-day residency experiences.

## **Counseling —**

Effective counselors are self-aware and committed to continuous process of self-examination. They possess a strong knowledge base and have developed important practical skills. The Counselor Education Program at Adams State reflects this philosophy throughout the program.

Adams State's Master of Arts in Counseling Program offers tracks in either school or clinical mental health counseling and is adding a track in college counseling and student development. Our programs are offered either full or part time on campus, part time at selected off-campus sites, or through a summer program. The Counselor Education Program now offers an online degree with two one-week summer residencies.

The Counselor Education Program has been recognized by the state of Colorado as a Program of Excellence, exemplifying distinction in counselor training and delivery. The program is accredited by CACREP, the premier accrediting agency for counselor training.

## **Higher Education Administration and Leadership (HEAL) —**

The 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 Summit 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.

## **History, Government, Philosophy —**

The HGP Department offers one degree track of a Master of Arts in Humanities with an emphasis in history. The goals of this program are to satisfy students' desires for additional directed study of United States history, to assist teachers in meeting highly qualified status under the No Child Left Behind Act, and to provide access for students to earn a master's degree before going on to doctoral studies. Using a mixture of face-to-face and online instruction, this degree track provides access and self-paced study, along with interaction

with other graduate students. All professors in this program hold doctoral degrees and are committed to developing and encouraging students to achieve their academic potential.

## **Human Performance and Physical Education —**

The Department of HPPE is committed to creating an environment where the graduate student's curiosity is stimulated to facilitate lifelong intellectual activity. The program is offered either full or part time on campus or online (Coaching only).

The Master of Arts degree in HPPE supports the department's mission: Preparing Health, Physical Education and Fitness Professionals. The degree provides depth and concentration in the areas of Sports Administration, Exercise Science and Coaching. It also targets those individuals who may want to teach in higher education or pursue a terminal degree.

## **Teacher Education —**

The Teacher Education Preparation Program seeks students with advanced professional potential. The teacher as a reflective decision maker is the conceptual model for the graduate programs. Courses offered emphasize the development of increasing skills in reflective approaches to decision making in professional practice. The program is geared to developing in-depth understanding of the changing nature of communities, schools instruction, curriculum, school populations, and the relationship of these to the decision making process.

Graduate Teacher Education offers its program throughout the state through a variety of delivery methods. Evening, weekend, and online courses are offered both on campus and at selected off-campus sites, generally in cohort models. The M.A. degrees in education and special education generalist are available with emphases or endorsements in:

- Curriculum and Instruction Emphasis
- Educational Leadership Endorsement (principal licensure)
- Linguistically Diverse Educator Endorsement
- Reading Teacher Endorsement
- Special Education Generalist Endorsement

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



# Admission to Adams State College for Undergraduates

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

Adams State College 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 College, valuing opportunity and access for students of all backgrounds.

The Office of Admissions 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 College, 208 Edgemont Boulevard, Alamosa, CO 81102. More information is available through the Office of Admissions at 719-587-7712 or 800-824-6494 or via e-mail at [ascadmit@adams.edu](mailto:ascadmit@adams.edu).

## Admission Requirements

### 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 College, 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).

Adams State College requires a minimum Colorado Department of Higher Education index score of 80 to be considered for admission into the baccalaureate program. In general, an 80 index is equivalent to a 2.4 cumulative high school grade point average and a 19 ACT or 900 SAT score. Applicants indexed below 80 may be considered for conditional admission into the baccalaureate program or admission into the associate program. NOTE: Adams State College's statutory role and mission enables the college to admit any qualified student who graduates from a San Luis Valley high school.

For admission into the baccalaureate program, applicants must have graduated from an accredited high school and must have completed

the following pre-collegiate curriculum:

- Four units of English.
- Three 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).
- Two units of a single foreign language.

Applicants 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

Students who have completed the GED may be considered for admission by submitting 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. An official GED score report.
4. Official ACT or SAT score report (NOTE: Adams State does not require the writing portion of either the ACT or SAT).

Applicants who successfully complete the GED with a minimum score of 450 may be considered for admission into Adams State College.

### Transfer Students

To be considered for admission to Adams State College, 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 12 or fewer transferable credits will be considered for admission based on the first-time freshman admissions requirements.

## Non-Traditional Students

Applicants age 23 years or older are not required to submit ACT or SAT test scores when applying for admission. Students who do not complete the ACT or SAT will be considered for admission into the associate degree program.

## Returning Students

Any student who has previously attended Adams State College 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 College 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 College 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 College 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 juniors and seniors may be eligible to register for courses on campus at Adams State College. In order to be eligible for the concurrent enrollment program, students must be high school juniors or seniors between the ages of 17 and 21 years and have a 3.0 cumulative grade point average. Students choosing to take advantage of this program should contact the Office of Admissions.

## 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 technology proficiency exam and writing assessment are institutional graduation requirements that must be satisfied.

## Coursework Transfers

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

**Category 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.

**Category 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.

**Category 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.

## Degree Transfers

Individuals with a B.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 and technology proficiency requirements 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 and technology proficiency requirements 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.

## **Degree/Program Requirements**

1. 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 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. Students entering Adams State College must demonstrate a baseline proficiency with technology by either: (1) passing the ASC Technology Proficiency Examination with a grade of 70 percent or higher or (2) passing an approved technology course with a grade of C- or better. Courses meeting this proficiency are BUS 120 (Business Computer Applications) and CSCI 100 (Essentials of Info Technology). This proficiency must be achieved by the end of the sophomore year.
6. All students must fulfill and pass the writing assessment. All students pursuing Bachelor of 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 or Science degrees should meet with the appropriate department chair.
7. Requirements for majors are listed in this catalog.
8. Courses to be substituted in the Professional Education Program require teacher education department chair approval.

9. A minor will not be granted until a student completes the requirements for a bachelor's degree.
10. 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.
11. 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.
12. 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.

## International Students

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

Adams State College welcomes international students. All international students who desire to enter the college 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 College 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.

## Admission to Graduate Programs

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

Descriptions of graduate programs, admission requirements and related endorsements can be found in the Graduate Catalog or the Adams State Web site. Please contact the Graduate School at 866-407-0013.

## 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 College. 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 college costs lies with the student and the student's family, with financial aid from the college 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 College 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 College.

## 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 College, Alamosa, CO 81102, call 719-587-7306, toll free 866-344-1687, or e-mail [asconestop@adams.edu](mailto:asconestop@adams.edu).

## Tuition/Fees Per Semester

For current tuition and fees, visit [businessoffice.adams.edu](http://businessoffice.adams.edu) and click on the “Cost Information” link. The Board of Trustees for Adams State College, the governing entity, reserves the right without notice to alter tuition and fee charges prior to the first day of any semester.

## 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 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 College 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 College’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.

## Payment of Tuition and Fees Payment

Students, by the act of registration, automatically incur a financial obligation to the college. This means students who register for one or more classes (unless they officially withdraw from the college 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 college 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 and Appeal Billed Charges Policy

Students have the right to dispute billed charges if they believe the charges are not valid by contacting Student Business Services. When a 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. The written appeal 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 dean of Student Affairs, appeals for graduate students will be reviewed by the assistant vice president for Graduate Studies and Institutional Planning, and appeals for Extended Studies students will be reviewed by the assistant vice president for academics of Extended Studies. Decisions of these college 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.

The initial dispute can be made verbally or in writing but must be made to Student Business Services by phone at 719.587.7728 or 1.877.862.8202, by fax at 719.587.8214, by email at [ascbus@adams.edu](mailto:ascbus@adams.edu), or by mail: Student Business Services, Adams State College, Alamosa, CO 81102.

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 Complete Drop/Withdrawals

To officially withdraw from enrollment at Adams State, undergraduate students must initiate the complete withdrawal through the Office of Student Affairs in Richardson Hall Room 234 (graduate students withdraw through the Graduate School, Richardson Hall Room 215). 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. 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.

## Refund Schedule for Complete Drop/Withdrawal

### Percent of Total Tuition and Fees (based on regular semester schedule):

Upon Withdrawal	Refund/Adjustment*
Prior to start of classes	100%
Week 1 through Census	90%
Day after Census through Week 5	75%
Week 6-8	50%

### Percent of Total Tuition and Fees (based on shortened course, e.g., weekend or Internet):

Upon Withdrawal	Refund/Adjustment
Prior to start of classes	100%
Start of class thru class census	90%
Day after census through 25% of class	75%
26% through 50% of class	50%

There are no refunds after 50 percent of the class has elapsed. As an example, if a student officially withdraws prior to census, the college retains 10 percent of tuition, fees, and other applicable charges. If tuition and fees have been paid in full, the remaining 90 percent is refunded. If tuition and fees have not been paid, the student is billed for 10 percent of applicable costs.

To receive the appropriate refund, it is important you inform Student Affairs (or the Graduate School if you are a graduate student) when you initiate the withdrawal that your course was not based on the regular semester.

The above refund schedule applies to COMPLETE WITHDRAWAL from Adams State College. If you are only taking one class or if your classes are the same duration, the above percentages will be used to calculate your refund/adjustment.

If you drop a course prior to census date for the class, charges will be removed at 100 percent as long as you are enrolled in at least one other course. If you withdraw from a course (post census), charges are due and payable at 100 percent. If you have questions regarding complete withdrawal, course drop, or course withdrawal and how they affect your bill, please contact Student Business Services at 719-587-7728, 800-824-6494, or e-mail [ascbus@adams.edu](mailto:ascbus@adams.edu).

## Other ASC Refund Policies Applicable to Complete Drop/Withdrawal

Refunds for room and meal plans are made per the refund schedule. Room refunds or adjustments are made only after the room is vacated and the

occupant has completed the checkout procedure with Adams State housing personnel. Board refunds or adjustments are processed only after notification of cancellation is received at the Adams State Housing Office. After the eighth week of the semester, there are no refunds or adjustments for housing or meal plan charges.

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

- Easy Refund Card Replacement Fee
- Matriculation Fee
- Parking Decal
- Parking Fines
- Emergency Loans
- Emergency Loan Fees
- Deferred Payment Fee
- Late Fee

## 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

The Higher One Easy Refund Card is used to refund 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 Higher One Easy Refund Card is mailed to degree-seeking, registered students. The student should activate the card online and select a refund preference. The One Account with the Easy Refund Card is a free checking account with a debit card which can be used long after a student graduates or leaves Adams State College. Learn more about the Easy Refund Card online at [learnaboutone.com](http://learnaboutone.com).

## Veterans

The college 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 veteran's benefits, visit a counselor at the One Stop Student Services Center located in the Student Union Building or call 719-587-7322 to schedule an appointment with the Adams State veterans clerk.

## Student Information

[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.

## Academic Advising

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

Each undergraduate Adams State College student is assigned an academic advisor in accordance with the proposed major listed on the student's application for admission. Undeclared majors are advised through Academic Advising (located in Nielsen Library). Students also may request a particular faculty member for their advisor, pending availability. Advisor assignments are made at the Academic Advising Center.

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 if an advisor recommends a change, the Academic Advising Center must be notified.

Adams State College 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.

Academic advisors and other college 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 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 WebCT (Blackboard Learning System), and campus instructional technology support. AITC can be reached by email at [ascwebct@adams.edu](mailto:ascwebct@adams.edu) or by phone at 719-587-7371.

## Adventure Program Center

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

The Adams State College 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 Student Life Center on the first floor of the Student Union Building. 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 Association

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

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

## AmeriCorps Service Learning

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

Students interested in completing 300 hours of qualified community service are eligible to receive a \$1000 education award through AmeriCorps' UCAN Serve Program. AmeriCorps strengthens campus and community partnerships

by channeling student service into nonprofit and government agencies serving high need, community priority areas. UCAN Serve focuses on three areas that incorporate most academic programs and co-curricular service activities: Education, Public Health & Safety and Community Strengthening. For more information, call 719-587-7969 or email [ascamericorps@adams.edu](mailto:ascamericorps@adams.edu).

## Associated Students & Faculty (AS&F)

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

The Associated Students and Faculty Senate is the student governing body which serves as a vital and instrumental entity within ASC. AS&F Senate is made up of student and faculty representatives that are responsible for allocating funds to projects which improve the state of the campus. There are two seats open to incoming freshmen on the AS&F Senate. 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 College Bookstore, where students can purchase necessary textbooks, general reading books, supplies, gifts, soft goods, network supplies and art supplies, is located in the Student Union Building. The College Bookstore is owned by Adams State College. 719-587-7912

## Campus Media

Campus media at Adams State College 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.

## 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 \$5 each.

## Campus Events 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.

1. Contracts for use of facilities are to be submitted to the appropriate office for authorization:
  - Academic facilities must be submitted to the Office of Academic Affairs.
  - 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.
2. 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.

## Career Services

[ccc.sa.adams.edu](http://ccc.sa.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. The online career library (The Vault)

and Adams State's student/employer networking site are available from the Career Center's website. The Career Center is located at 220 Richardson Hall, and the phone number is 719-587-7746.

## Challenge Course (Ropes Course)

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

The Challenge Course is an experiential learning facility offering participants the opportunity to explore personal and group issues in a supportive but challenging environment. The course consists of low and high elements that student organizations, residence hall groups, and academic classes and departments can use to help stimulate learning and group development. Student organizations and academic departments can reserve the Challenge Course through Adventure Programs. Groups are encouraged to make reservations a minimum of two weeks prior to their desired workshop date. Adventure Programs will provide the required number of facilitators and assistants at a minimal cost to ensure each group has a safe and productive experience. Group leaders are required to meet with their facilitator prior to their workshop date to discuss the group's needs, interests, and desired outcomes. For more information or reservations, contact Adventure Programs at 719-587-7962.

## Clubs and Organizations

The college 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 College. More information regarding these organizations can be obtained from the Associated Students and Faculty (AS&F) president.

- Adams Atoms
- American Choral Directors Association
- ASC Honor Society
- ASC Mathematics, Computer Science, and Engineering Club
- ASC Rugby
- ASC Student's for the New Left
- Associated Students & Faculty
- Black Student Alliance
- Campus Crusade for Christ/Campus Fusion
- Chemistry Club (Adams Atoms)
- Circle K
- Climbing Club
- Dance Team (through Athletics Department — non-AS&F)
- El Parnaso
- Estudiantes Unidos
- Folklorico/Semillas de la Tierra
- Gay Straight Alliance
- Geology Club
- Grizzly Activity Board
- HPPE Club
- Karate Club
- *KASF* Radio
- Latter Day Saints Students Association
- Living Poet's Society
- Music Educators National Conference
- Mock Trial
- Model United Nations
- Native Unity
- Newman Club
- Pacioli Accounting Club
- *Paw Print* Student Newspaper
- Phi Beta Lambda
- Poker Club
- President's Council
- Psychology Club
- *Sand Hill Review* Literary Magazine
- Science Fiction Club
- Soccer Club (through Athletics Department — non-AS&F)
- Student Ambassadors
- SWAT Team (Students Working for the Awareness of Tobacco)
- Toastmasters
- Tri Beta
- Teacher Education Association
- The President's Honor Society

## Counseling and Career Center

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

The Counseling and Career Center offers services to assist students in their growth and development in academic, personal, and career areas. Personal and career counseling are available to all students, their spouses, and their children. Learn more about the services offered by the Counseling and Career Center online, visit Richardson Hall Room 220, or call 719-587-7746.

## Counseling Services

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

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. The Counseling Center is located in Richardson Hall Room 220 and the phone number is 719-587-7746.

## Day Care Center

The Gingerbread House is a private, licensed childcare center that provides quality day care services when college 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.

## Developmental Education Support

The Adams State Developmental Education Program offers two courses for reading and writing skills and a three-course sequence of math which addresses skills fundamental to college success: READ 090—College

Preparatory Reading, ENG 090—College Preparatory Writing, 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. Students have 30 credit hours their first academic year at Adams State College, to complete these courses in order to continue enrollment. Please contact the STAY coordinator at 719-587-7969 concerning these courses.

## 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.

## Disability Services

The Office of Equal Opportunity, SUB 329, 719-587-8213, manages services for students with disabilities, with assistance from Student Support Services, # 1 Petteys Hall, 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.

## First-Year Interest Groups

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

The First-year Interest Group (FIG) 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 a FIG is a great way for first-time students to meet other students and build mentoring relationships with faculty and staff members. Each FIG is based on a shared academic and social interest (i.e., Adventure Leadership, Agribusiness, Art, Exploratory (for undecided majors), Latino Leadership, and the World of Theatre). Students in a FIG take two or three courses together both semesters of their first year. The courses typically fulfill general education or major requirements. FIG students also take college transitions courses specifically designed for Adams State students taught by Adams State professional staff, who provide significant guidance to the FIG students.

Students in FIGs are mentored by returning Adams State students who have successfully completed at least one year on campus. The FIG mentors are trained to help students with questions or concerns that arise in the first year of college. FIG students are encouraged to live in the FIG wing in Coronado Hall, along with the FIG mentors. For more information, please contact Student Engagement and Success at 719-587-7858.

## Foundation

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

The Adams State College 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.

## 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.

## Grizzly Den

The Grizzly Den convenience store, located in the Student Union Building, is your quick stop for a variety of snack and personal items, including calling cards.

## Health Services

The San Luis Valley Regional Medical Center, located within walking distance from campus, is well staffed and maintained to provide medical services to students. Students are responsible to purchase insurance coverage as desired.

## Higher One Easy Refund Card

The Higher One Easy Refund Card is used to refund credit balance 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 Higher One Easy Refund Card is mailed to degree seeking students. The student should activate the card and select a refund preference. The One Account with Easy Refund Card is a free checking account with a debit card which can be used long after a student graduates or leaves Adams State College. To learn more about this card, please go to [learnaboutone.com](http://learnaboutone.com). A \$21.00 replacement fee is charged per lost or stolen card.

## 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 college. Academic advising is done by an academic advisor in the department in which the student majors. For assistance, the PDSO can be reached at 719-587-8197.

## Intramural Sports

The Intramural Sports Program at Adams State College 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.

## Local Activities

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.

## Multicultural Center

The mission of the Multicultural Center is to acknowledge, celebrate and promote the diverse cultural experiences of each member of the Adams State College 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 coordinator of student activities at 719-587-8191.

## Musical Activities

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

Adams State College's Department of Music offers many opportunities for participation in music ensembles: marching, concert, and jazz bands; concert choir; jazz singers and chamber choir; chamber orchestra; and mariachi. Private lessons in wind, percussion, piano, guitar, strings and voice are also available to music majors and minors. Students are encouraged to participate in any of the department's ensembles, regardless of major, based upon an audition.

## National Student Exchange

The National Student Exchange, a domestic parallel to study abroad, is the only comprehensive, university-level, tuition-reciprocal, student exchange program in the United States. Now with university partners in Canada, NSE's exchange sites reflect a diverse group of nearly 180 universities in 48 states, the District of Columbia, three U.S. territories, and five Canadian provinces. These universities have joined NSE to share their resources and to expand student experiences and academic programs in exciting and cost-effective ways.

NSE provides to its member institutions:

- Expansion of course offerings
- Assistance with multicultural objectives
- Enhancement of recruitment and retention initiatives
- Potential for inter-campus joint programming
- Access to numerous international programs of member campuses
- Exchange among university honors programs
- Resident assistant exchanges
- Access to internships and research options
- Tuition reciprocity
- Portability of federally funded financial aid

Founded in 1968, NSE is a not-for-profit, membership consortium which has placed more than 75,000 students. The National Student Exchange provides inter-institutional exchange/study opportunities whereby students may grow academically and personally as well as develop a greater appreciation for the diversity of our country and culture. The program is a model for sharing of academic resources among a nationwide network of colleges and universities. A major benefit of NSE is expanded academic opportunities for students.

Since 1968, NSE membership has grown as has its scope, mission, and service to member universities and exchange students. Throughout these years, NSE continues to be recognized for its unique contribution to the higher education community and for its vision, caring, professionalism, and quality service. For more information, please contact the coordinator of student activities at 719.587.8191 or visit [www.nse.org](http://www.nse.org).

## 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: ASC Student Union Building

Phone: 719-587-7306

Toll-free: 1-866-344-1687

Fax: 719-587-7366

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

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

## Orientation

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

New student orientation is designed to facilitate the transition of new students into the college, 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 College. This program reinforces new students' decision to attend Adams State College. 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 the director of Student Engagement and Success at 719-587-7858 or visit the Web site.

## Photo and Videotape Policy

The Adams State College 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 College 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 College Police Department is the primary law enforcement provider for the college community. ASCPD 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 College 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.

The Adams State College Police Department Office is in the Coronado/Girault addition. Dispatch services for the Police Department are available 24 hours a day at 719-589-5807. For emergency assistance, dial 911. For non-emergency contact during business hours, the office number is 719-587-7901.

## 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, two racquetball/volleyball courts, 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 Government

Each student who pays college service fees is a member of AS&F upon registration. Faculty members also participate. The organization was founded to promote cooperation between the students and faculty. 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. The AS&F Senate serves as a student-lobbying organization for positive changes for the students of Adams State College. 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.

**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.

## 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 college experience. Participation in student life and co-curricular activities at Adams State College 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, Cross-Cultural 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/ss](http://adams.edu/students/ss)

Student Support Services (SSS) provides services to first-generation, low-income students and students with disabilities at Adams State College. 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 College, 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 one credit hour for the ASC Connections course and one credit for a math strategies course. Call 719-587-7632 for more information.

## Student Union Building (SUB)

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

The SUB is the lively, friendly hub of the campus. It is designed for all members of the campus community. The SUB and staff provide facilities, services, and programs for students, faculty, administration, staff, alumni, and guests. Conveniences and services for the campus community are provided through the One Stop Student Services Center, the bookstore, the Loft, outdoor equipment rental, food service, retail stores, student offices, meeting/banquet rooms, and an auditorium.

## Theatre Activities

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

The Theatre Program produces at least seven performances each year, most directed and designed by theatre majors themselves. However, Adams State students do not need to be theatre majors to participate in productions. Auditioning information is typically announced through posters placed throughout the campus. The Theatre Program provides all students with many opportunities for creativity, personal and professional growth, and quality training.

## 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 [ascstestingctr@adams.edu](mailto:ascstestingctr@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 college students in the education and counseling fields. For more information, please contact the Upward Bound Program, Richardson Hall, Room 245, 719-587-7865.

## The 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 ES 209. Phone: 719-587-7898.



## Housing and Food Services

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

The college 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 college 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, other 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.)

### 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 Jump Asian, 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 College 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 college 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.

## Academic Information

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

### Academic Advising

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

Students are expected to assume the responsibility for planning academic programs in accordance with college 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. The Academic Advising Center's main responsibility is to advise all undeclared and Associate of Arts/Associate of Science students as well as those students admitted on a conditional basis.

Each new student is assigned a faculty advisor as soon as he or she has declared a major. The advisor will aid the student in planning course work during registration and will be available for a conference each semester. Should a student choose to change or add a major field of study, the student should contact Academic Advising at the One Stop Student Services Center to complete appropriate paperwork to be assigned a different advisor for the new field of study.

### Academic Amnesty

After three consecutive years of non-attendance at ASC, a 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 ASC. 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 Policy

Good Academic Standing: Good academic standing means that a student has earned a number of quality points double the number of Adams State College semester hours attempted with a cumulative GPA of 2.0 or better.

**Academic Probation:** Students are placed on academic probation if their Adams State College GPA falls below a 2.0 after attempting 12 credit hours. Students may continue their course of study for the following semester. Students remain on probation until they either:

- attain a 2.0 cumulative GPA or
- have attempted 24 or more credit hours at ASC with a cumulative GPA below 2.0, at which time they will be placed on academic suspension for one semester (excluding summer semester)

**Suspension Appeal:** Students can appeal the suspension standing decision for the following reasons:

- Student's term GPA is above a 2.0 but cumulative GPA falls below a 2.0
- Significant personal hardship
- Satisfactory Academic Progress - Student's with a 2.5 or better term GPA that fall under the suspension guidelines will automatically be placed on academic probation status for the following term.

### Procedure for Continued Semesters of Non-Academic Progress:

Zero Academic Progress: Students that obtain a zero (0.0) term GPA and a zero (0.0) cumulative GPA at the completion of one semester will be placed on academic probation and must meet the following guidelines.

- Required to repeat all failed classes from previous semester (If one or more classes are not offered the following term, an alternative class should be determined in consultation with the student's advisor.)
- Must show academic progress (2.0 term GPA) in order to continue enrollment at ASC

Students that obtain a zero (0.0) term GPA and a zero (0.0) cumulative GPA at the completion of two semesters (fall/spring or spring/fall) will be suspended for one academic year (fall, spring and summer or spring, summer, fall). Because the student has no proven record of academic progress, the student is not eligible to appeal. Should the student decide to return to Adams State College after this one year

period, the student must reapply for admission. Consideration for readmission will be based on the student's ability to prove academic progress at another institution.

**Continued Non-Academic Progress:** Students that have previously been placed on academic suspension and have either:

- appealed their academic suspension status and were approved to come back for the following semester or
- had the academic suspension appeal denied and were not able to attend the following semester

are suspended for one academic year (fall, spring and summer or spring, summer, fall) if cumulative GPA continues to fall below a 2.0 and/or academic progress was not proven. Because this status is based on academic history, the student is not eligible to appeal. Should the student decide to return to Adams State College after this one-year period, the student must reapply for admission. Consideration for readmission will be based on the student's ability to prove academic progress at another institution.

#### **Procedure for STAY Program Students in Poor Academic Standing:**

**STAY Mathematics Procedure:** Because developmental mathematics at ASC is a three-term sequence, students must pass at least three credits of their developmental math sequence during this term limit in order to continue enrollment and will be allowed to enroll the following semester on the condition that they enroll in the next level each semester until all developmental math levels are mastered.

**STAY Probation/Suspension Procedure:** Students who have not attained college-level readiness in the three areas (or passed at least three credits of math to be on course for readiness in the three-term math sequence) by the end of their second semester or 24 credit hours, whichever is less,

- will need to develop these skills elsewhere (e.g., through enrollment at other colleges, CCCOnline, online or text-based self-study, or private tutoring) and
- may re-enroll at ASC only when they can demonstrate college-level ability in all three areas through placement test scores or through 100-level English and math credits transferred in from other institutions.

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

Students who complete the English section of the ACT with a score of 27 or higher, or the verbal section of the SAT with a score of 580 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.

### **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 College 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**

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 college'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.

### **Availability of Classes**

Adams State College does not offer all of the classes listed within this catalog each semester or each year. Adams State College 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 must satisfy the degree requirements listed in the catalog in effect at the time of their first semester of enrollment at Adams State, provided they remain continuously enrolled. Students who interrupt their studies three consecutive semesters or more must satisfy the degree requirements in effect during the semester they reenroll.

#### **• Associate Degree Students —**

Entering first-year students seeking an A.A. or A.S. degree must satisfy the degree requirements listed in the catalog in effect at the time of their first semester of enrollment at Adams State College, provided they remain continuously enrolled. Students who interrupt their studies three consecutive semesters or more must satisfy the degree requirements in effect during the semester they reenroll. In any case, students who do not complete the A.A. or A.S. degree within four years of their first enrollment must satisfy the degree requirements in effect during the academic year in which they will graduate.

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

Students are expected to attend all class sessions. The college 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. No person shall attend

Adams State College 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 below for information regarding this tuition offset program.

### **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 College 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

### **Connections/LINCS Courses**

Connections is a one-hour course designed for first-year students. This course assists new students with the transition to college life. The topics covered include study skills, navigating the college's administrative community, expectations of higher education, and many other transition events that occur in a student's first year. Many students take this class; however, students who need to take two or more basic skills courses will be required to take this course or AAA 101.

LINCS (Learning Integrative New Competencies and Skills) is the follow-up course to Connections. During the second semester of college, students need to examine their major choices, study habits, and personal growth. LINCS will help students identify strengths and areas for improvement while providing a supportive classroom environment. This course will be helpful to students who might not know what career options they wish to pursue.

### **Continuous Enrollment**

See Catalog Applicability section

### **College Office Hours**

Except Saturdays, Sundays, and legal holidays, the administrative staff of the college maintains office hours from 8 a.m. to noon and 1 p.m. to 5 p.m. (summer hours may be 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.

### **Commencement**

Graduation ceremonies are conducted at the end of fall and spring semesters. 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 records evaluator 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.

### **Course Descriptions**

Course descriptions are listed in alphabetical order by department at the end of this catalog. The course description gives the department number and title, the semester hours of credit offered, an explanation of the content of the

course, and other information needed for planning a program. To view the course catalog online, go to [adams.edu/records](http://adams.edu/records).

## 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. 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. Overload forms may be obtained at the One Stop Student Services Center or online at [adams.edu/records](http://adams.edu/records) by clicking on the “Forms” link. Tuition surcharges will be assessed on course loads in excess of 17 credit hours. Academic full-time status requires enrollment for 12 semester hours during any semester.

## 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 numbered 500-599 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. Classes numbered 500 to 599 may not be used for undergraduate credit. Course numbers ending in X92 designate workshops or short courses offered on an intermittent basis to meet the needs of special constituents, X79 designates special topics courses offered periodically to meet student special interest in the field, and X99 is the number designation for independent study courses (courses taught on an independent basis through a mutual agreement between an instructor and a student).

## Credit by Examination

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 and appropriate tuition and fees have been paid.
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 college, but not being offered during that particular term, the student may enroll for the course under independent study. Independent study forms are online at [adams.edu/records](http://adams.edu/records) through the “Forms” link or at the One Stop Student Services Center located in the Student Union Building. (This differs from distance education correspondence courses offered through Adams State College Extended Studies.)

## 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.

## Credit or No Credit — Audit Courses

See Auditing Courses

## Developmental/Remedial Courses

Placement in developmental courses is determined by ACT, SAT, ACCUPLACER and alternative test scores, as well as course completion transferred in from other institutions. Students have 24 credit hours their first academic year at Adams State College, to complete these courses in order to continue enrollment. Developmental/remedial courses at Adams State are graded on a satisfactory/unsatisfactory basis. These courses are necessary prerequisites required for graduation. 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.

## Evaluation of Degree Requirements

Students are responsible for the fulfillment of graduation requirements. Academic Advising at the One Stop Student Services Center 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 online at [adams.edu/records](http://adams.edu/records) by clicking the “Commencement” link. 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 technical records coordinator 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 technical records coordinator 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 course 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 Academic Affairs.

## Grade Point Average Computation

The Adams State College 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
Example:	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 Quality Points —

$$17 \text{ Cr Hours} \times \text{Grade Equivalent} = 48.99$$

GPA Calculation:  $48.99/17 = 2.88$

## Grade Report

Students should meet with their instructors throughout the semester to discuss their academic progress. Prior to midterm, students will be notified of all regular session classes in which they are in jeopardy of receiving a failing grade. 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
<b>Excellent</b>	
A	4.00
A-	3.67
<b>Good</b>	
B+	3.33
B	3.00
B-	2.67
<b>Satisfactory</b>	
C+	2.33
C	2.00
C-	1.67
<b>Poor, but passing</b>	
D+	1.33
D	1.00
<b>Failure</b>	
F (100- to 599-level courses)	0
IF Incomplete to F after one year	0
IU Incomplete to Unsatisfactory after one year	0
TF Technical Failure (no show)	0
TU Technical Failure (no show for basic skills courses)	0***
U Unsatisfactory (090- to 099-level basic skills courses)	0***
<b>Other grades (no quality points)</b>	
IN Incomplete	IN*
NC Audit	NC*
P Pass, equivalent to grade of C or better (100- to 599-level courses)	**
S Satisfactory, equivalent to grade of C- or better (090- to 099-level basic skills courses)	***
T Transfer credit accepted by ASC	
TS Transfer credit for a remedial course	***
W Withdrawal without penalty	*

\*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.

## Graduation with Honors

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 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 the grade has not been assigned after the deadline, the IN will be changed to an IF.

## Independent Study Courses

Credit by independent study must be approved by the instructor, the department chair, and the vice president for Academic Affairs in writing, prior to enrollment. Forms may be obtained at the One Stop Student Services Center or online at [adams.edu/onestop](http://adams.edu/onestop). 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 College Extended Studies.

## International Baccalaureate Program

Adams State College 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 College. 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.

### Internet Courses

Adams State College offers a limited number of Internet courses. Courses with open enrollment can be found in each semester's course schedule in the section for the relevant academic department. Enrollment in Internet courses could require an additional fee.

### No Credit — Audit Desired

See Auditing Courses

### 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

See Privacy Policy under Campus Policies and Regulations section

### Registration

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

Registration instructions and a course listing are on the ASC One Stop and Portal Web sites.

### 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
JOUR courses	unlimited repeating
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 provost'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 one to 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 college 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.

## STAY Program

The STAY (Structured Transitional Academic Year) Program provides coursework for Adams State College students requiring developmental classes in math, reading or writing, based on placement test scores (see Math Placement Policy and Reading/Writing Placement Policy). The program, administered under Developmental Education, provides placement testing, academic advising, coursework, tutoring and intervention services. The courses currently offered include MATH 095—Basic Arithmetic Skills, MATH 097—Basic Algebra Skills, MATH 099—Intermediate Algebra, READ 090—College Preparatory Reading, and ENG 090—College Preparatory Writing. Students requiring developmental work in more than one area are encouraged to also take ID 179—Developing a Life Plan and AAA101—Academic Achievement Strategies. Contact the STAY coordinator at 719-587-7969 for more information.

## Student Conduct

Students are expected to conduct themselves both within and outside the college 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 College is committed to ensuring each first year student has a genuine opportunity for success. To meet the needs of first-year students, Adams State College offers a group of programs and services to address the sometimes complex academic and social adjustments to college life, including Academic Advising, Connections/

LINCS courses, and First-Year Interest Groups (FIGs). Please see descriptions of each of these programs and services or contact SES at 719-587-7858.

## Student Handbook

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

The student handbook is the guidebook for policies and procedures for Adams State College. It is the student's responsibility to review the student handbook.

## Summer Session

Adams State College 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 bulletin 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 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.

## Timely Completion of Degree Requirements

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

## “Topics in” Courses

“Topics in” courses provide for flexibility in providing studies that meet immediate needs but might not be of long duration. The numbers designated for these classes are 179, 279, 379, 479, 589, and 579 depending on the level of the work presented.

## **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 College. Official transcripts are printed on tamper-proof paper and include the Adams State College 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 college. Transcripts may be requested online by going to [adams.edu/onestop](http://adams.edu/onestop). Adams State College will not be held responsible for deadlines which are not our own.

## **Transfer Credit**

Currently enrolled 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. Forms for this purpose are available from the One Stop Student Services Center located in the Student Union Building or online at [adams.edu/records](http://adams.edu/records) under the "Forms" link. Failure to receive this approval may result in the transfer courses not being accepted toward an Adams State College degree or teacher licensure program.

## **Upper Division Hours**

For graduation with a four-year degree, students must successfully complete at least 42 semester hours (non-PE) of 300- to 499-level courses.

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

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.

## **Workshops**

Workshops are designed to respond to educational needs involving considerable participation by students. The numbers designated for these classes are 192, 292, 392, 492, and 592, depending on the level.

# Programs of Study and Degree Requirements

## Two-Year Concentrations: Associate of Arts Degree Associate of Science Degree

### Purpose

The college's goal is to prepare and educate students for a successful life and rewarding professional opportunities. Adams State College 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. Additionally, students are exceptionally well prepared to transfer to a four-year B.A. or B.S. degree program at Adams State or elsewhere.

### Two-Year Academic Programs

Adams State College 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 the completion of the college's general education requirements and a minimum of 60 credit hours; 15 of those 60 credit hours may be in a concentration approved by the vice president for Academic Affairs. The following concentrations are currently available:

#### Associate of Science

- Computer Security
- General Business
- Geographic Information Systems

#### Associate of Arts

- Social Studies
- Multimedia Journalism
- Theatre
- Early Childhood Education
- Elementary Education
- General Business
- Art (Studio)

Interested students should consult with Academic Advising. Other concentrations may be available.

### Associate of Arts Requirements

1. Technology Proficiency: All A.A. candidates must demonstrate baseline technological proficiency prior to graduation. The requirement may be met by scoring 70 percent or higher on the Adams State Technology Proficiency Examination or by passing an approved course with a grade of C- or better. Courses meeting this proficiency are BUS

120—Business Computer Applications and CSCI 100—Essentials of Information Technology.

2. 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.
3. Completion of the following required courses in general education:

#### Area I. Communication — 6 credit hours required

Credit (P) is given for ENG 101 if AP score of 3 or higher on English language/comp, ACT score of 27 or higher, or SAT score of 500 or higher (before 4/95) or 580 or higher (after 4/95).

ENG 101 Communication Arts [GT-CO1]	3
ENG 102 Communication Arts [GT-CO2]	3

#### Area II. Arts and Humanities — 9 credit hours required

AR 103 Art Appreciation [GT-AH1]	3
ENG 203 Major Themes in Literature [GT-AH2]	3
MUS 100 Introduction to Music Literature [GT-AH1]	3
THTR 180 Introduction to Theatre [GT-AH1]	3

#### Area III. Mathematics — 3 credit hours required

MATH 104 Finite Mathematics [GT-MA1]	3
MATH 106 College Algebra [GT-MA1]	3
MATH 107 Trigonometry and Analytic Geometry [GT-MA1]	3
MATH 120 Single Variable Calculus I [GT-MA1]	5
MATH 121 Single Variable Calculus II [GT-MA1]	5
MATH 150 Liberal Arts Mathematics [GT-MA1]	3
MATH 155/156 Integrated Math I/II (both sections must be taken) [GT-MA1]	6

#### Area IV. Social & Behavioral Sciences/History — 12 credits hours required

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 Economics & Today's Society [GT-SS1]	3
PSYC 101 Introduction to Psychology [GT-SS3]	3
SOC 201 The Sociological Imagination [GT-SS3]	3
GOVT 291 American Government [GT-SS1]	3
HGP 110 Development of Civilization [GT-HI1]	3
HGP 111 Development of Civilization [GT-HI1]	3
HIST 202 American History to 1865 [GT-HI1]	3
HIST 203 American History 1865 to Present [GT-HI1]	3

#### Area V. Physical and Natural Sciences — 8 credit hours required

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 with Lab [GT-SC1]	4
BIOL 203 General Biology with Lab [GT-SC1]	5
BIOL 204 General Biology with Lab [GT-SC1]	5
CHEM 103 Intro to Forensic Chemistry	4
CHEM 111 Introductory Chemistry with Lab [GT-SC1]	5
CHEM 131 General Chemistry with Lab [GT-SC1]	5
CHEM 132 General Chemistry with Lab [GT-SC1]	5
ENV 101 Introduction to Environmental Science with Lab [GT-SC1]	4
GEOG 101 Introduction to Physical Geography	4
GEOL 111 Physical Geology with Lab [GT-SC1]	4
PHYS 150 Light	4
PHYS 201 Introduction to Astronomy with Lab [GT-SC1]	4
PHYS 225 College Physics I with Lab [GT-SC1]	5
PHYS 230-231 General Physics I with Lab [GT-SC1]	5
PHYS 232-233 General Physics II with Lab [GT-SC1]	5
SCI 155 Integrated Science I — Physical Science [GT-SC1]	4
SCI 156 Integrated Science II — Natural Science [GT-SC1]	4
4. Completion of electives	
Electives to total 60 academic semester hours in consultation with Academic Advising.	

### Associate of Science Requirements

1. Technology Proficiency: All A.S. candidates must demonstrate baseline technological proficiency prior to graduation. The requirement may be met by scoring 70 percent or better on the Adams State Technology Proficiency Examination or passing an approved course with a grade of C- or better. Courses meeting this proficiency are BUS 120—Business Computer Applications and CSCI 100—Essentials of Info Technology.
2. 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 portfolio requirements.
3. Completion of the following required courses in general education:

#### Area I. Communication — 6 credit hours required

Credit (P) is given for ENG 101 if AP score of 3 or higher on English language/comp, ACT score of 27 or

higher, or SAT score of 500 or higher (before 4/95) or 580 or higher (after 4/95)

ENG 101 Communication Arts [GT-CO1]	3
ENG 102 Communication Arts [GT-CO2]	3

#### Area II. Arts and Humanities — 9 credit hours required

AR 103 Art Appreciation [GT-AH1]	3
ENG 203 Major Themes in Literature [GT-AH2]	3
MUS 100 Introduction to Music Literature [GT-AH1]	3
THTR 180 Introduction to Theatre [GT-AH1]	3

#### Area III. Mathematics — 3 credit hours required

MATH 104 Finite Mathematics [GT-MA1]	3
MATH 106 College Algebra [GT-MA1]	3
MATH 107 Trigonometry and Analytic Geometry [GT-MA1]	3
MATH 120 Single Variable Calculus I [GT-MA1]	5
MATH 121 Single Variable Calculus II [GT-MA1]	5
MATH 150 Liberal Arts Mathematics [GT-MA1]	3
MATH 155/156 Integrated Math I/II (both sections must be taken) [GT-MA1]	6

#### Area IV. Social & Behavioral Sciences/History — 12 credit hours required

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 Economics & Today's Society [GT-SS1]	3
PSYC 101 Introduction to Psychology [GT-SS3]	3
SOC 201 The Sociological Imagination [GT-SS3]	3
GOVT 291 American Government [GT-SS1]	3
HGP 110 Development of Civilization [GT-HI1]	3
HGP 111 Development of Civilization [GT-HI1]	3
HIST 202 American History to 1865 [GT-HI1]	3
HIST 203 American History 1865 to Present [GT-HI1]	3

#### Area V. Physical and Natural Sciences — 8 credit hours required

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 with Lab [GT-SC1]	4
BIOL 203 General Biology with Lab [GT-SC1]	5
BIOL 204 General Biology with Lab [GT-SC1]	5
CHEM 103 Intro to Forensic Chemistry	4
CHEM 111 Introductory Chemistry with Lab [GT-SC1]	5
CHEM 131 General Chemistry with Lab [GT-SC1]	5
CHEM 132 General Chemistry with Lab [GT-SC1]	5
ENV 101 Introduction to Environmental Science with Lab [GT-SC1]	4

GEOG 101 Introduction to Physical Geography	4
GEOL 111 Physical Geology with Lab [GT-SC1]	4
PHYS 150 Light	4
PHYS 201 Introduction to Astronomy with Lab [GT-SC1]	4
PHYS 225 College Physics I with Lab [GT-SC1]	5
PHYS 230-231 General Physics I with Lab [GT-SC1]	5
PHYS 232-233 General Physics II with Lab [GT-SC1]	5
SCI 155 Integrated Science I — Physical Science [GT-SC1]	4
SCI 156 Integrated Science II — Natural Science [GT-SC1]	4
4. Completion of electives	
Electives to total 60 academic semester hours in consultation with Academic Advising.	

## Bachelor's Degrees

### General Information for the Bachelor of Arts or Science Degrees

The Bachelor of Arts or Science degree is conferred upon completion of a minimum of 120 academic (non-PE) semester hours of credit. At least 42 academic credits must be upper division courses (300- to 400-level). A cumulative scholastic average of 2.0 must be earned in all work attempted at Adams State College. All general education, major, minor, area of concentration, or teacher licensure requirements must be satisfied before a degree is awarded. All students must demonstrate baseline technological proficiency by the end of the sophomore year. The requirement can be met by scoring 70 percent or better on the Adams State Technology Proficiency Examination or by passing an approved course with a grade of a C- or better. Courses meeting this proficiency are BUS 120—Business Computer Applications and CSCI 100—Essentials of Info Technology. 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 science degree area and the other major is in the bachelor of arts degree area must select the type of diploma they wish to be granted. Either a bachelor of arts (B.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.

### College Accountability/Assessment Program

Information provided through assessment activities enables Adams State College to continually improve educational services. Adams State College students are asked to participate in the college's assessment program in a number of ways, by completing the following:

- an ACT or other entering freshman survey
- an ETS Measure of Academic Proficiency and Progress Test (after completion of 30 to 60 credit hours) or other test of achievement in general education
- an ETS Major Field Achievement Test or other test of achievement in the major
- an ACT or other Student Opinion Survey prior to graduation
- and an alumni survey during post-undergraduate years.

The results of all individual student assessments are held confidential, although a student may

receive a copy and interpretation of his or her results. Results are not placed on student transcripts. Institutional reports to the governing board, Colorado Department of Higher Education (CDHE), and state legislature will use only group data so that no individual student is identified.

### Remediation Test Administration Policy

Students need to complete placement testing by the start of their first semester on campus. These tests are administered during new student orientation prior to the start of fall classes, on a walk-in basis, and by appointment. Students may schedule an individual appointment at the Grizzly Testing and Learning Center by calling 719-587-8189. The Grizzly Testing and Learning Center is located on the second floor of Nielsen Library.

Students whose test scores indicate they require additional support in reading, writing or math in order to successfully complete college level work are required to complete developmental coursework in math, reading and writing within the first 24 hours of enrollment. These courses are available on campus each semester or through Adams State College Extended Studies.

### Math Placement Policy

Students entering Adams State with an ACT mathematics score of less than 19 are required to take the Adams State ACCUPLACER Elementary Algebra Test prior to their first day of classes. Students who do not score at the appropriate level on this examination must successfully complete one or more courses to develop the necessary skills. Recommended placement based on this exam is described in the tables below.

Course	ACCUPLACER score
MATH 106	109 or above
MATH 104 or 150	85 or above
MATH 099 Intermediate Algebra	55-84
MATH 097 Basic Algebra Skills	40-54
MATH 095 Arithmetic Skills	39 and lower

Note: To enroll in MATH 120—Calculus as a first course, an ACT math score of 26 or higher or permission of department is required. Students with an ACCUPLACER score between 85 and 109 wishing to enroll in MATH 106—College Algebra should contact the department chair of Chemistry, Computer Science, and Mathematics.

### Reading/Writing Placement Policy

Incoming students with an ACT score of 18 or higher or a 95 or above on the writing segment of the ACCUPLACER test will be placed in ENG 101. Students entering Adams State with an ACT reading score of less than 18 are required to take the Adams State ACCUPLACER Reading Test prior to their first day of classes. Students entering Adams State with an ACT English score of less than 19 are required to complete the ACCUPLACER Sentence Test prior to their first day of classes.

Students who do not score at the minimum level on the examinations must successfully complete one or more courses to develop these reading and writing skills. Recommended placement based on this exam is described in the table below.

COURSE	ACCUPLACER SCORE
ENG 101	Reading 80+ or Sentence 95+
READ 090	Reading 79 or below
ENG 090	Sentence 94 or below

Students also take an essay exam during the first developmental reading and writing class meetings to confirm appropriate class placement. Students may also arrange to take alternative tests through the Grizzly Testing and Learning Center on the second floor of Nielsen Library prior to the beginning of classes. Call 719-587-8189 to make an appointment.

### Satisfaction of Remediation Requirements

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



## General Education Requirements

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

Students will gain:

1. An understanding of and facility in the basic modes of communication and an ability to initiate inquiry, question conventional wisdom, and analyze problems;
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: fine arts, humanities, and the physical, natural and social sciences;
3. The development of a global perspective (cultural, historical, societal, and scientific) from which a strong set of ethical and moral values can evolve;
4. An awareness of the importance and desirability of continuing to pursue intellectual growth throughout one's lifetime.

The above goals are deliberately pursued within specific general education requirements, as well as within the academic major. Programs are designed to produce the following student outcomes.

### General Education Student Performance Outcomes

At the conclusion of baccalaureate study at Adams State College, graduates will —

- demonstrate ability to:
  1. Read, write, speak, and listen accurately, effectively, and critically;
  2. Distinguish fact from opinion and think independently;
  3. Function as productive members of groups;
  4. Access information effectively;
  5. Think analytically, cooperatively, and creatively.
- demonstrate an understanding of:
  1. The major fields of knowledge and their interrelationships;
  2. Quantitative methods and their uses;
  3. Implications and uses of technology;
  4. Diverse moral and ethical philosophies;
  5. One's place within a larger historical and multicultural framework.
- demonstrate an increased awareness of the importance of:
  1. The aesthetic dimensions of human experience;
  2. Community involvement;
  3. Diverse cultures, persons, and ideas.

## Proficiencies

All students will demonstrate proficiency in writing and in the use of computer technology according to the information given below. All students will complete requirements in general education areas I to V.

Proficiency in the use of standard written English is required of all students at Adams State College. 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.

### Satisfying the College-Wide Writing Requirement

Normally, students will satisfy this 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. Present a score of 29 or above on the English section of the ACT, a score of 660 or above on the verbal section of the SAT, or a 4 or better on the Advanced Placement exam in English Language/Composition or IB score of 4 or above. Students who achieve the required score will receive 3 hours of credit for ENG 101—Communication Arts I.
2. Present a score of 4 or 5 on English Literature/Composition. Students will be awarded 3 credits for ENG 101.

### Satisfying the English Writing Requirement and the General Education Literature Requirement

An entering student who has earned a score of 5 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.

### Writing Assessment

All students pursuing Bachelor of Arts or Bachelor of Science 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 (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.

### Technology Proficiency

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

All students must demonstrate baseline proficiency with technology by either

1. passing the Adams State Technology Proficiency examination with a grade of 70 percent or better or
2. passing an approved technology course with a grade of C- or better.

This proficiency must be achieved by the end of the sophomore year. If this is not completed on time, students must enroll in one of the approved classes until proficiency is met. Currently approved courses include BUS 120—Business Computer Applications I and CSCI 100—Essentials of Information Technology.

### Requirements for General Education

#### Area I. Communication — 6 credit hours required

Credit (P) is given for ENG 101 if AP score of 3 or better on English language/comp, or ACT score of 27 or better, or SAT score of 500 or better (before 4/95) or 580 or more (after 4/95)

ENG 101 Communication Arts	3
ENG 102 Communication Arts	3

#### Area II. Arts and Humanities — 9 credit hours required

AR 103 Art Appreciation [GT-AH1]	3
ENG 203 Major Themes in Literature [GT-AH2]	3
MUS 100 Introduction to Music Literature [GT-AH1]	3
THTR 180 Introduction to Theatre [GT-AH1]	3

#### Area III. Mathematics — 3 credit hours required

MATH 104 Finite Mathematics [GT-MA1]	3
MATH 106 College Algebra [GT-MA1]	3
MATH 107 Trigonometry and Analytic	

Geometry [GT-MA1]	3
MATH 120 Single Variable Calculus I [GT-MA1]	5
MATH 121 Single Variable Calculus II [GT-MA1]	5
MATH 150 Liberal Arts Mathematics [GT-MA1]	3
MATH 155/156 Integrated Math I/II [GT-MA1] (both sections must be taken)	6

#### Area IV. Social & Behavioral Sciences/History — 12 credit hours required

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 Economics & Today's Society [GT-SS1]	3
PSYC 101 Introduction to Psychology [GT-SS3]	3
SOC 201 The Sociological Imagination [GT-SS3]	3
GOVT 291 American Government [GT-SS1]	3
HGP 110 Development of Civilization [GT-HI1]	3
HGP 111 Development of Civilization [GT-HI1]	3
HIST 202 American History to 1865 [GT-HI1]	3
HIST 203 American History 1865 to Present [GT-HI1]	3

#### Area V. Physical and Natural Sciences — 8 credit hours required

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 with Lab [GT-SC1]	4
BIOL 203 General Biology with Lab [GT-SC1]	5
CHEM 103 Intro to Forensic Chemistry	4
CHEM 111 Introductory Chemistry with Lab [GT-SC1]	5
CHEM 131 General Chemistry with Lab [GT-SC1]	5
CHEM 132 General Chemistry with Lab [GT-SC1]	5
ENV 101 Introduction to Environmental Science with Lab [GT-SC1]	4
GEOG 101 Introduction to Physical Geography	4
GEOL 111 Physical Geology with Lab [GT-SC1]	4
PHYS 150 Light	4
PHYS 201 Introduction to Astronomy with Lab [GT-SC1]	4
PHYS 225 College Physics I with Lab [GT-SC1]	5
PHYS 230-231 General Physics I with Lab [GT-SC1]	5
PHYS 232-233 General Physics II with Lab [GT-SC1]	5
SCI 155 Integrated Science I — Physical Science [GT-SC1]	4
SCI 156 Integrated Science II — Natural Science [GT-SC1]	4

## Guaranteed Transfer Courses

Adams State College is a participant in the statewide guaranteed transfer process 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. The receiving institution is required by Colorado Revised Statutes 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 [GT-AH1]  
BIOL 101 [GT-SC1]  
BIOL 203 [GT-SC1]  
BIOL 204 [GT-SC1]  
CHEM 111 [GT-SC1]  
CHEM 131 [GT-SC1]  
CHEM 132 [GT-SC1]  
ECON 201 [GT-SS1]  
ENG 101 [GT-CO1]  
ENG 102 [GT-CO2]  
ENG 203 [GT-AH2]  
ENV 101 [GT-SC1]  
GEOL 111 [GT-SC1]  
GOVT 291 [GT-SS1]  
HGP 110 [GT-HI1]  
HGP 111 [GT-HI1]  
HIST 202 [GT-HI1]  
HIST 203 [GT-HI1]  
MATH 104 [GT-MA1]  
MATH 106 [GT-MA1]  
MATH 107 [GT-MA1]  
MATH 120 [GT-MA1]  
MATH 121 [GT-MA1]  
MATH 150 [GT-MA1]  
MATH 155/156 [GT-MA1]  
MUS 100 [GT-AH1]  
PHYS 201 [GT-SC1]  
PHYS 225 [GT-SC1]  
PHYS 230/231 [GT-SC1]  
PHYS 232/233 [GT-SC1]  
PSYC 101 [GT-SS3]  
SCI 155 [GT-SC1]  
SCI 156 [GT-SC1]  
SOC 201 [GT-SS3]  
THTR 180 [GT-AH1]

All the courses listed in the ASC 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.

## Additional Majors & Second Degrees

### Second (or Additional) Majors

A student may earn a second or additional major by completing all requirements for the major as determined by the vice president for Academic Affairs. If a requirement for one major coincides with a requirement for the student's other major or majors, the student will be required to satisfy the requirement only once.

### Second Bachelor of Arts or Science Degree

A student who holds a Bachelor of Arts or Science degree from a regionally accredited college or university may earn a second Bachelor of Arts or Science degree at Adams State College by satisfying the following requirements:

1. Satisfy all current college general education requirements. Transfer policy states that individuals with B.A./B.S. degrees (including 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, geography). Time-sensitive courses for general education, as determined by the vice president for Academic Affairs and the relevant department chair, will not be accepted more than 10 years old.
2. Satisfy all requirements for a major different from the major or majors earned for the first degree.
3. Courses from the first major or majors that meet the requirements of the second degree must be approved by the department chair of the second major. Time sensitive courses for the major, as determined by the department chair, (e.g., computer science, geography, graphic design, etc.) will not be accepted more than 10 years old. Students who have never satisfied the Writing Assessment and/or the Technology Proficiency must satisfy these requirements prior to completion of their second degree.
4. Students who have never satisfied Adams State's writing assessment or technology proficiency requirements must satisfy these prior to satisfactorily completing a second degree.

## **Bachelor of Arts in Interdisciplinary Studies**

The Bachelor of Arts in Interdisciplinary Studies is intended for students whose academic and/or professional interests would not be served by a traditional major in a single discipline.

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 for Academic Affairs, 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.

## **Department of Art**

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

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 online.

### **Faculty**

Centofanti, Doell, Eriksen, Provence, Schilling, van der Plas.

### **Degree Programs**

#### **Bachelor of Fine Arts —**

Majors available in

- Ceramics
- Drawing
- Fiber
- Graphic Design
- Metals/jewelry
- Painting
- Photography
- Printmaking
- Sculpture

#### **Bachelor of Arts —**

Required major in the following:

- Art Education (K-12 Licensure)
- Liberal Arts (Studio Art)

B.A. concentrations available in

- Art History
- Ceramics

- Design
- Drawing
- Fiber
- Metals & Jewelry
- Painting
- Photography
- Printmaking
- Sculpture

## **Bachelor of Arts Degree Requirements Art Education (K-12) Emphasis: Elementary and Secondary Teacher Licensure**

1. Completion of the general education requirements for the Bachelor of Arts degree plus the K-12 licensure requirements listed under the Department of Teacher Education.
2. Completion of the following required courses:
 

AR 105 Intro to Art Criticism	3
AR 206 Design 2D	3
AR 207 Design 3D	3
AR 208 Drawing	3
AR 216 Introduction to Art Education	3
AR 220 Painting	3
(AR 240 Fiber	3
or AR 290 Metals and Jewelry	3)
AR 250 Sculpture	3
(AR 260 Beginning Printmaking I	3
or AR 261 Beginning Printmaking II	3)
AR 270 Ceramics	3
(AR 280 Beginning B&W Photography	3
or AR 281 Beginning Digital Photography	3)
AR 334 Elementary School Art Education Methods	3
AR 335 Secondary School Art Education Methods	3
AR 364 History of Art	3
AR 365 History of Art	3
AR 366 History of Art	3

 Plus 3 hours from the following:
 

AR 302 Graphic Communications	3
AR 306 Design Problems	3
AR 310 Graphic Design	3
<b>TOTAL</b>	<b>51</b>
3. Completion of departmental assessment procedures.
4. Complete a nine-hour area of emphasis in one of the following areas: art history, ceramics, drawing, fiber, metals, painting, design, 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).
5. Students may be excused from basic studio courses on the basis of a portfolio of their work by the department chair.
6. Admission to the professional program in Teacher Education and all of its requirements.

## **Liberal Arts Emphasis (Art Studio)**

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. Completion of the following required courses:
 

AR 105 Intro to Art Criticism	3
AR 206 Design 2D	3
AR 207 Design 3D	3
AR 208 Drawing	3
AR 209 Beginning Drawing II	3
AR 364 History of Art	3
AR 365 History of Art	3
AR 366 History of Art	3
AR 498 Professional Seminar	3
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
or AR 281 Beginning Digital Photography	3)
4. Completion of six hours from the following:
 

AR 240 Fiber	3
AR 250 Sculpture	3
AR 270 Ceramics	3
AR 290 Metals and Jewelry	3
5. Completion of three hours from the following:
 

AR 302 Graphic Communications	3
AR 306 Design Problems	3
AR 310 Graphic Design	3
<b>TOTAL</b>	<b>42</b>
6. Plus a 12-hour area of emphasis in one of the following areas: art history, ceramics, drawing, fiber, metals & jewelry, painting, design, photography, printmaking and sculpture.
7. Additional hours in the major are to be selected in consultation with their advisor.
8. Completion of departmental assessment procedures.
9. Students may be excused from basic studio courses on the merit of this portfolio (art studio) by the department chair.

## **Bachelor of Fine Arts Degree Requirements**

Majors available in the following studio areas:

- Ceramics
- Drawing
- Fiber
- Graphic Design
- Metals/Jewelry
- Painting
- Photography
- Printmaking
- Sculpture

1. Completion of the general education requirements for the Bachelor of Arts.
2. Completion of the following required courses: (200-level courses also required in the major studio area may not be used to fulfill 2D and 3D elective credits.)

AR 105 Intro to Art Criticism	3
AR 206 Design 2D	3
AR 207 Design 3D	3
AR 208 Drawing	3
AR 209 Beginning Drawing II	3
AR 308 Intermediate Drawing I	3
AR 309 Intermediate Drawing II	3
AR 364 History of Art	3
AR 365 History of Art	3
AR 366 History of Art	3
AR 367 Women Artists in Art History	3
AR 498 Professional Seminar	3

Plus 6 hours from the following:

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

Plus 6 hours from the following:

AR 240 Fiber	3
AR 250 Sculpture	3
AR 270 Ceramics	3
AR 290 Metals & Jewelry	3

Plus 3 hours from the following:

AR 302 Graphic Communications	3
AR 306 Design Problems	3
AR 310 Graphic Design	3

3. Completion of departmental assessment procedures.
4. 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. Thesis. B.F.A. portfolio requirements and deadlines are available from the department chair.
5. Completion of ONE of the following Studio Majors:

### Ceramics Major

AR 270 Ceramics	3
AR 370 Intermediate Ceramics I	3
AR 372 Intermediate Ceramics II	3
AR 472 Advanced Ceramics I	3
AR 473 Advanced Ceramics II	3
AR 497 B.F.A. Thesis	9
Recommended Art Electives: Sculpture, Metals/Jewelry, Fiber, Photography	

### Drawing Major

(AR 260 Beginning Printmaking I or AR 261 Beginning Printmaking II)	3
AR 410 Advanced Drawing I	3
AR 411 Advanced Drawing II	3
AR 497 B.F.A. Thesis	9

Plus 6 credits from:

AR 280 Beginning B&W Photography	3
AR 281 Beginning Digital Photography	3
AR 360 Intermediate Printmaking	3
AR 462 Advanced Printmaking I	3
AR 463 Advanced Printmaking II	3
Recommended Art Electives: Photography, Printmaking, Graphic Design, Painting	

### 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 B.F.A. Thesis	9
Recommended Art Electives: Sculpture, Ceramics, Metals/Jewelry, Photography	

### Graphic Design Major

Completion of six credits (not used toward Core requirements) from:

AR 302 Graphic Communications	3
AR 306 Design Problems	3
AR 310 Graphic Design I	3

Note: One of these is counted toward meeting the Core requirements rather than major requirements.

Plus completion of the following:

AR 281 Beginning Digital Photography	3
AR 301 Typography	3
AR 311 Graphic Design II	3
AR 497 B.F.A. Thesis	9

Recommended Art Electives: Photography, Printmaking, Drawing, Painting

### Metals/Jewelry Major

AR 290 Metals & Jewelry	3
AR 390 Intermediate Metals & Jewelry I	3
AR 391 Intermediate Metals & Jewelry II	3
AR 494 Advanced Metals Jewelry I	3
AR 495 Advanced Metals & Jewelry II	3
AR 497 B.F.A. Thesis	9
Recommended Art Electives: Sculpture, Ceramics, Fiber, Photography	

### Painting Major

AR 220 Painting	3
AR 320 Intermediate Painting I	3
AR 321 Intermediate Painting II	3
AR 423 Advanced Painting I	3
AR 424 Advanced Painting II	3
AR 497 B.F.A. Thesis	9
Recommended Art Electives: Drawing, Printmaking, Photography, Graphic Design	

## Photography Major

Choose 24 credit hours from the following courses (must include AR 497-B.F.A. Thesis).

AR 280 Beginning B&W Photography	3
AR 281 Beginning Digital Photography	3
AR 380 Intermediate Photography I	3
AR 381 Intermediate Digital Photography	3
AR 484 Advanced Photography I	3
AR 485 Advanced Photography II	3
AR 497 B.F.A. Thesis	9
Recommended Art Electives: Graphic Design, Printmaking	

## Printmaking Major

AR 260 Beginning Printmaking I	3
AR 261 Beginning Printmaking II	3
AR 360 Intermediate Printmaking I	3
AR 462 Advanced Printmaking I	3
AR 463 Advanced Printmaking II	3
AR 497 B.F.A. Thesis	9
Recommended Art Electives: Drawing, Painting, Graphic Design, Photography	

## Sculpture Major

AR 250 Sculpture	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
AR 497 B.F.A. Thesis	9
Recommended Art Electives: Ceramics, Fiber, Metals & Jewelry	

## Minor in Art

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

1. Complete ALL of the following:	
AR 206 Design 2D	3
AR 207 Design 3D	3
AR 208 Drawing	3
2. Select one 2D studio course:	
AR 220 Painting	3
AR 260 Printmaking I	3
AR 261 Printmaking II	3
AR 280 Beginning B&W Photography	3
AR 281 Beginning Digital Photography	3
3. Select one 3D studio course:	
AR 240 Fiber	3
AR 250 Sculpture	3
AR 270 Ceramics	3
AR 290 Metals and Jewelry	3
4. Select one course from the following:	
AR 306 Design Problems	3
AR 364 History of Art	3
AR 365 History of Art	3
AR 366 History of Art	3
TOTAL	18

## Associate of Arts: Art (Studio)

1. Completion of college general education requirements.
2. Completion of the following required courses:

AR 105 Intro to Art Criticism	3
AR 206 Design 2D	3
AR 207 Design 3D	3
AR 208 Drawing	3
3. Choose one 2D course from the following:

AR 220 Painting	3
AR 260 Beginning Printmaking I	3
AR 261 Beginning Printmaking II	3
AR 280 B&W Photography	3
AR 281 Beginning Digital Photography	3
4. Choose one 3D course from the following:

AR 240 Fiber	3
AR 250 Sculpture	3
AR 270 Ceramics	3
AR 290 Metals and Jewelry	3
5. General Education  
One course in General Education should be AR 103—Art Appreciation.
6. Electives to make a total of 60 credits

## Department of Biology and Earth Sciences

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

Students may choose from programs in biology and in earth sciences, which lead to a bachelor's degree and, if elected, pre-professional preparation or secondary teacher licensure.

The Department of Biology and Earth Sciences 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 the following degree programs: Bachelor of Arts degree in biology (liberal arts and science education options), Bachelor of Science degree in biology (cellular and molecular biology, organismal biology, and wildlife options). 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 biology in private industry or in the medical or paramedical arts, as well as for graduate study in biology or allied fields.

The Earth Sciences Program offers four bachelor's degree programs: Bachelor of Arts degrees in geology, earth science (physical geography: resource planning and management), and in earth sciences (science education), and a Bachelor of Science degree in geology. The Earth Sciences Program also offers opportunities for professional software training and for incorporating Geographic Information System (GIS) technology into coursework.

### Faculty

Armstrong, Bedard, Beeton, Benson, Brink, Duran, Herrington, Ybarrondo

### Degree and Licensure Programs

#### Bachelor of Arts

- Biology
- Earth Sciences: Geology
- Earth Sciences: Physical Geography
- Secondary Teacher Licensure available in
  - Biology
  - Earth Sciences

#### Bachelor of Science

- Biology
- Earth Sciences: Geology

### Associate of Science

with emphasis in

- Geographic Information Science (GIS)

### Pre-Professional Preparation

Pre-Professional and Allied Health Programs

- Pre-Dentistry
- Pre-Engineering
- Pre-Medicine
- Pre-Nursing
- Pre-Optometry
- Pre-Osteopathy
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary Medicine

### Minors

- Biology
- Environmental Science
- Geology

### Biology and Earth Sciences Degree Requirements

#### Biology (Liberal Arts) Major

1. 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.
2. Completion of the following required courses:

BIOL 203 General Biology	5
BIOL 204 General Biology	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	6
3. Required support courses:

CHEM 111 Introductory Chemistry	4
CHEM 111L Introductory Chemistry Lab	1
(CHEM 112 Intro Organic and Biological Chemistry	4
and CHEM 112L Intro Organic and Biological Chemistry Lab	1)
or (CHEM 131 General Chemistry	4
and CHEM 131L General Chemistry Lab	1)
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
CHEM 321 Organic Chemistry	4
CHEM 321L Organic Chemistry Lab	1
MATH 205 Introduction to Statistical Methods	3
4. Students electing to take the B.A. in biology must also complete a minor of their choice.



## **Biology (Science Education) Secondary Teacher Licensure**

1. Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper-division courses.
2. Completion of the secondary teacher licensure requirements listed under the Department of Teacher Education.
3. Completion of the following required courses:

BIOL 203 General Biology	5
BIOL 204 General Biology	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 3 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 3 credits from the following:

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

Plus required support courses:

CHEM 112 Introductory Organic and Biological Chemistry	4
CHEM 112L Intro Organic and Biological Chemistry Lab	1
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5
SCI 350 Methods of Teaching Science: Secondary	3

Recommended:

BIOL 205 Human Anatomy and Physiology	4
BIOL 206 Human Anatomy and Physiology	4
BIOL 125 Nutrition	2
BIOL 407 Comparative Animal Physiology	4
BIOL 448 Microbiology	4
BIOL 476 Molecular Biology	4
GEOL 111 Physical Geology	4
GEOL 112 Historical Geology	4
MATH 205 Introduction to Statistical Methods	3

Plus other courses required by the Department of Teacher Education.

## **Bachelor of Science: Biology (Cellular and Molecular Biology)**

Recommended for students interested in allied health professions or graduate school in cellular or molecular biology.

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper-division courses.

2. Completion of the following required courses:

BIOL 203 General Biology	5
BIOL 204 General Biology	5
BIOL 321 Genetics	3
BIOL 323 Cellular Biology	3
BIOL 325 Cellular/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 7 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

Plus required support courses:

CHEM 131 General Chemistry/Lab	5
CHEM 132 General Chemistry/Lab	5
CHEM 321 Organic Chemistry/Lab	5
CHEM 322 Organic Chemistry/Lab	5
CHEM 401 Structural Biochemistry/Lab	4
MATH 205 Introduction to Statistical Methods	3
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5

## **Bachelor of Science: Biology (Organismal Biology)**

The course requirements listed here are designed to meet the requirements for positions with state and federal agencies, for teaching in public schools, or for graduate school in organismal biology and ecology.

Successful completion of the following academic program is required for this degree:

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper-division courses.

2. Completion of the following required courses.	BIOL 493 Thesis I	1	
BIOL 203 General Biology	5	BIOL 494 Thesis II	1
BIOL 204 General Biology	5	Plus a minimum of 6 credits from the following:	
BIOL 321 Genetics	3	BIOL 460 Ornithology	3
BIOL 323 Cellular Biology	3	BIOL 464 Mammalogy	3
BIOL 325 Cellular Biology/Genetics Lab	1	BIOL 471 Herpetology	3
BIOL 330 Ecology	4	Plus a minimum of 6 credits from the following:	
BIOL 332 Evolution	3	BIOL 404 Physiological Zoology	3
BIOL 493 Thesis I	1	BIOL 411 Comparative Anatomy	4
BIOL 494 Thesis II	1	BIOL 440 Invertebrate Zoology	4
Plus a minimum of 4 credits from the following:		BIOL 461 Entomology	3
BIOL 417 Vascular Plant Systematics	4	BIOL 463 Ichthyology	3
BIOL 420 Mycology	4	Plus a minimum of 6 credits (9 credits for federal government agencies) from the following:	
BIOL 423 Plant Physiology	4	BIOL 417 Vascular Plant Systematics	4
BIOL 430 Plant Ecology	4	BIOL 420 Mycology	4
Plus a minimum of 4 credits from the following:		BIOL 423 Plant Physiology	4
BIOL 407 Comparative Animal Physiology	4	BIOL 430 Plant Ecology	4
BIOL 408 Developmental Biology	4	Plus required support courses:	
BIOL 411 Comparative Anatomy	4	CHEM 111 Introductory Chemistry	4
BIOL 476 Molecular Biology	4	CHEM 111L Introductory Chemistry Lab	1
Plus a minimum of 6 credits from the following:		CHEM 112 Introductory Organic and Biological Chemistry	4
BIOL 404 Physiological Zoology	3	CHEM 112L Intro Organic and Biological Chemistry Lab	1
BIOL 440 Invertebrate Zoology	4	MATH 106 College Algebra	3
BIOL 460 Ornithology	3	MATH 205 Introduction to Statistical Methods	3
BIOL 461 Entomology	3		
BIOL 463 Ichthyology	3		
BIOL 464 Mammalogy	3		
BIOL 471 Herpetology	3		
Plus required support courses:			
CHEM 131 General Chemistry/Lab	5		
CHEM 132 General Chemistry/Lab	5		
CHEM 321 Organic Chemistry/Lab	5		
CHEM 322 Organic Chemistry/Lab	5		
MATH 205 Introduction to Statistical Methods	3		
PHYS 225 College Physics I	5		
PHYS 226 College Physics II	5		

### Bachelor of Science: Biology (Wildlife)

The course requirements listed here are designed to meet the requirements for federal and state wildlife and Forest Service positions.

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper division courses.
2. Completion of the following required courses:
 

BIOL 203 General Biology	5
BIOL 204 General Biology	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 467 Wildlife Management	2
BIOL 469 Fisheries Management	2

### Minor in Biology

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

BIOL 203 General Biology	5
BIOL 204 General Biology	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

### Emphasis in Biology: Elementary Education Licensure

18 hours selected in consultation with the department chair.

### Bachelor of Arts in Earth Sciences: Geology

1. Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable course work, 42 hours of which must be in upper-division courses.
2. Completion of the following required courses:
 

GEOL 111 Physical Geology	4
GEOL 112 Earth History	4
GEOL 121 Field Study 1	1
GEOL 122 Field Study 2	1
GEOL 321 Geomorphology with	

Environmental Applications	4	GEOL 420 Remote Sensing	4
GEOL 331 Mineralogy	4	GEOG 421 Glacial and Periglacial Geography	3
GEOL 334 Petrology	4	GEOL 479 Geography and Geology of World Regions Seminar	1
GEOL 340 Introduction to Hydrogeology	4	GEOG 479 Geography and Geology of World Regions	3
GEOL 343 Sedimentology and Stratigraphy	4	TOTAL	60
GEOL 371 Structural Geology	4		
GEOL 446 Field Methods	2		

Required support courses:

BIOL 203 General Biology/Lab	5
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
MATH 106 College Algebra	3
PHYS 225 College Physics I	5

A minor is highly recommended. Consult with an advisor.

### Bachelor of Arts in Earth Sciences: Physical Geography

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).

1. 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.
2. Completion of required support courses:
 

BIOL 203 General Biology	5
CHEM 111 Introductory Chemistry	4
CHEM 111L Introductory Chemistry Lab	1
MATH 106 College Algebra	3
MATH 205 Statistics	3
3. Completion of the following required courses:
 

GEOL 101 Introduction to Physical Geography	4
GEOL 111 Physical Geology	4
GEOG 201 Intro to Cartography and GIS	3
GEOG 212 Natural Resource Management on Public Lands	3
GEOG 300 World Geography	3
GEOG 440 Senior Capstone in Geography	2
4. A minimum 15 credits from the following:
 

GEOG 307 Biogeography	3
GEOG 311 Climatology	4
GEOL 321 Geomorphology	4
GEOL 330 Nature and Properties of Soils	4
GEOL 340 Introduction to Hydrogeology	4
GEOL 343 Sedimentology and Stratigraphy	4
5. A minimum 10 credits from the following:
 

GEOG 411 Mountain Geography	3
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### Bachelor of Arts in Earth Science: (Science Education) Secondary Teacher Licensure

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

1. Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper division courses, and the secondary teacher licensure requirements listed under the Department of Teacher Education.
2. Completion of the following required courses:
 

GEOL 111 Physical Geology	4
GEOL 112 Earth History	4
GEOL 321 Geomorphology with Environmental Applications	4
GEOL 331 Mineralogy	4
GEOL 334 Petrology	4
GEOL 343 Sedimentology and Stratigraphy	4
GEOL 371 Structural Geology	4
3. Required support courses:
 

BIOL 203 General Biology	5
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
MATH 106 College Algebra	3
GEOG 201 Intro to Cartography and GIS	3
GEOG 300 World Geography	3
PHYS 201 Introduction to Astronomy	4
PHYS 225 College Physics I	5
SCI 350 Methods of Teaching Science	3
4. Recommended courses:
 

CSCI 150 Programming in Basic	3
CSCI 208 Computer Science IB: Object-Oriented Programming	1
MATH 210 Programming in Fortran	3
5. A minor in biology, chemistry, mathematics, or physics is highly recommended for placement in a teaching position.

## **Bachelor of Science in Earth Science:**

### **Geology**

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper division courses.
2. Completion of required support courses:

CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
MATH 106 College Algebra	3
MATH 107 Trigonometry and Analytical Geometry	3
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5
3. Completion of the following required courses:

GEOL 111 Physical Geology	4
GEOL 112 Earth History (GEOL 121 Field Study 1 or GEOL 122 Field Study 2	4
1) GEOL 321 Geomorphology with Environmental Applications	4
GEOL 331 Mineralogy	4
GEOL 332 Optical Mineralogy	1
GEOL 334 Petrology	4
GEOL 336 Optical Petrology	1
GEOL 340 Introduction to Hydrogeology	4
GEOL 343 Sedimentology and Stratigraphy	4
(GEOL 350 Field Excursion to the Texas Region or GEOL 351 Field Excursion to the Ariz. Region or GEOL 352 Field Excursion to the Utah Region 2)	2
GEOL 371 Structural Geology	4
GEOL 433 Environmental Geochemical Modeling	3
GEOL 446 Field Methods	2
GEOL 495 Field Geology	6

### **Minor in Geology**

- |   |           |
|---|-----------|
| GEOL 111 Physical Geology                           | 4         |
| GEOL 112 Earth History                              | 4         |
| GEOL 121 Field Study 1                              | 1         |
| GEOL 122 Field Study 2                              | 1         |
| GEOL 35X Field Excursion (GEOL 350, 351,<br>or 352) | 2         |
| GEOL or GEOG 3XX or 4XX Electives                   | 6         |
| <b>TOTAL</b>  | <b>18</b> |

## **Minor in Environmental Science**

1. Completion of at least 18 credit hours selected in consultation with the department chair or completion of the following.
  - a. Completion of required courses (17 credits):

CHEM 111 Introductory Chemistry	5
ENV 101 Introduction to Environmental Science	4
GEOG 101 Introduction to Physical Geography	4
GEOL 111 Physical Geology	4
  - b. Completion of at least 4 credits from the following:

CHEM 334 Environmental Chemistry	3
GEOG 212 Natural Resources Management	3
GEOG 311 Climatology	4
GEOL 321 Geomorphology with Environmental Applications	4
GEOL 433 Environmental Geochemical Modeling	3
<b>TOTAL</b>	<b>21</b>

## **Associate of Science Degree**

### **Geographic Information Systems (GIS)**

#### **Emphasis**

- |  |           |
|--|-----------|
| MATH 106 Precalculus mathematics                     | 3         |
| GEOL 111 Physical Geology                            | 4         |
| GEOL 112 Earth History                               | 4         |
| GEOL 121 Field Study I<br>or GEOL 122 Field Study II | 1         |
| CSCI 150 Visual Basic                                | 3         |
| GEOG 201 Introduction to Cartography and GIS         | 3         |
| GEOG 279 Topics in GIS                               | 4         |
| <b>TOTAL</b>   | <b>22</b> |

## School of Business

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

The mission of the School of Business is to deliver a contemporary, integrated undergraduate business curriculum emphasizing teaching excellence in a student-centered environment.

The School of Business offers several degree programs: Bachelor of Science degree in business administration with emphases in accounting, agribusiness, economics, finance, general business, health care administration, management, management information systems, marketing, and small business; Bachelor of Arts degree in business administration with emphases in advertising, business teacher education, general business, and pre-international business. Minors are offered in consultation with the department chair in all the above emphases except economics, small business, pre-international business, business education, and advertising. The requirement for the business minor is 18 hours.

The School of Business has one national professional business fraternity: Phi Beta Lambda. Other student clubs include: 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.

### Faculty

Keiser, Chair; Abeyta-Brown, Buser, Coolbaugh, Cover, Fleming, Hermann, Lyell, O'Laughlin, Reid, Robbins, Stagner, Thomas, Valdez, Zaro.

### Degree Programs

#### Bachelor of Science: Business

##### Administration

with emphases in:

- Accounting
- Agribusiness
- Economics
- Finance
- General Business
- Health Care Administration
- Management
- Management Information Systems

- Marketing
- Office Management
- Small Business

#### Bachelor of Arts: Business Administration

with emphases in:

- Advertising
- Applied Business
- Business Teacher Education
- General Business
- Pre-International Business

#### Associate of Arts

with emphasis in General Business

#### Associate of Science

with emphasis in General Business

#### Two-Year Concentrations

(Consult with Academic Affairs vice president)

#### Health Care Administration Certificate:

- Basics
- Leadership

#### 5-year B.S./M.B.A. Program (3+2)

### Bachelor of Science Degree Requirements

#### Business Administration Major

1. Completion of the general education requirements for the Bachelor of Science degree.
2. Completion of the following required courses:

BUS 103 Introduction to Business	3
BUS 120 Business 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
BUS 363 Managerial Finance	3
BUS 430 Production & Operations Management	3
BUS 480 Global Business Strategies	3
ECON 255 Principles of Economics I	3
ECON 256 Principles of Economics II	3
3. In addition to the above courses, required of all students in the B.S. program, each student will be required to complete an emphasis by taking one of the following sequences of courses:

#### 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 Taxation	4
BUS 360 Governmental & Institutional Accounting	3
BUS 405 Advanced Accounting	4
BUS 407 Auditing I	3

Seven semester hours from the following:			
BUS 308 Managerial Cost Accounting II	3		
BUS 409 Auditing II/Fraud Examination	3		
BUS 455 Advanced Income Taxation	4		
BUS 471 Intermediate Accounting III	4		
TOTAL	71		
<b>Agribusiness Emphasis —</b>			
BUS 105 Introduction to Agribusiness	3		
BUS 316 Public and Nonprofit Management	3		
BUS 355 Fundamentals of Income Taxation	4		
BUS 362 Human Resource Management	3		
BUS 364 Agribusiness Management	3		
BUS 365 Small Business Management	3		
BUS 378 Commodities and Risk Management	3		
BUS 384 Natural Resources and 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 Distribution & Ag Economics	3		
SOC 305 Rural Sociology	3		
TOTAL	79		
<b>Economics Emphasis —</b>			
BUS 373 Investment Analysis	3		
BUS 466 Business Ethics	3		
ECON 425 Economic Policy	3		
ECON 433 Managerial Economics	3		
Plus 18 semester hours from the following:			
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 320 Business Computer Applications II	3		
BUS 355 Fundamentals of Income Taxation	4		
BUS 386 Principles of Real Estate	3		
BUS 414 Commercial Banking	3		
BUS 416 Business Financial Problems	3		
TOTAL	69		
<b>Finance Emphasis —</b>			
BUS 373 Investment Analysis	3		
BUS 383 International Financial Management	3		
BUS 414 Commercial Banking	3		
BUS 416 Business Financial Problems	3		
Plus 12 semester hours from the following:			
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 Taxation	4		
BUS 386 Principles of Real Estate	3		
BUS 455 Advanced Income Taxation	4		
Plus six semester hours from the following:			
BUS 320 Business Computer Applications II	3		
ECON 425 Economic Policy	3		
ECON 433 Managerial Economics	3		
TOTAL	69		
		<b>General Business Emphasis —</b>	
		BUS 366 Business Communications	3
		BUS 466 Business Ethics	3
		Plus 27 semester hours from 300- to 400-level business or economics courses. At least one course beyond the introductory level must be taken in accounting, economics, finance, management, management information systems, and marketing.	
		TOTAL	72
		<b>Health Care Administration Emphasis —</b>	
		BUS 362 Human Resource Management	3
		HCA 303 Health Care Administration	3
		HCA 305 Health Care Marketing	3
		HCA 311 Health Care Law and Ethics	3
		HCA 312 Health Care Medical Terminology	2
		HCA 325 Health Care Information Systems	3
		HCA 363 Health Care Finance	3
		HCA 381 Health Care Administration Internship	3
		HCA 402 Epidemiology	3
		HCA 455 Health Care Economics	3
		HCA 462 Quality Management in Health Care	3
		HCA 480 Health Care Policy	3
		TOTAL	74
		<b>Management Emphasis—</b>	
		BUS 307 Managerial Cost Accounting I	3
		BUS 320 Business Computer Applications II	3
		BUS 362 Human Resource Management	3
		BUS 365 Small Business Management	3
		BUS 366 Business Communications	3
		BUS 401 Organizational Behavior	3
		BUS 418 Advanced Management Seminar	3
		BUS 419 Current Topics in Management	3
		BUS 466 Business Ethics	3
		Three semester hours from the following:	
		ECON 425 Economic Policy	3
		ECON 433 Managerial Economics	3
		Plus six semester hours of 300- to 400-level business or economics courses approved by the student's advisor.	
		TOTAL	75
		<b>Management Information Systems Emphasis—</b>	
		BUS 312 Web Design I	3
		BUS 320 Business Computer Applications II	3
		BUS 321 Survey of Operating Systems	3
		BUS 331 Business Application Programming	1
		BUS 382 Database and Information Management	3
		BUS 425 Systems Analysis and Design	3
		BUS 470 Project Management	3
		CSCI 207 Computer Science IA: Fundamentals of Programming	3
		CSCI 215 Networking and Security	3
		Choose six credits (two classes) from below:	
		BUS 370 Understand/Troubleshoot PC	3
		BUS 417 Web Design II/e-Commerce	3

BUS 456 Prob. Solving, Info, & Decision Sciences	3
HCA 325 Health Care Information Systems	3
<b>TOTAL</b>	<b>69</b>

### Marketing Emphasis—

BUS 315 Sales and Sales Management	3
BUS 335 Consumer Behavior	3
BUS 345 Advertising	3
BUS 356 Retailing	3
BUS 366 Business Communications	3
BUS 441 International Marketing	3
BUS 448 Interactive Marketing	3
BUS 450 Services Marketing	3
BUS 454 Marketing Research and Information	3
BUS 460 Marketing Management	3

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

<b>TOTAL</b>	<b>72</b>
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### Office Management Emphasis—

BUS 315 Sales and Sales Management	3
BUS 320 Business Computer Applications II	3
BUS 349 Building Modern Web Sites with Dreamweaver	3
BUS 355 Fundamentals of Income Tax	3
BUS 356 Retailing	3
BUS 362 Human Resource Management	3
BUS 365 Small Business Management	3
BUS 401 Organizational Behavior	3
BUS 466 Business Ethics	3
and (SPAN 315 Spanish for Business	3
or COUN 215 American Sign Language I	3
or JAPN 103 Beginning Japanese	3)

<b>TOTAL</b>	<b>66</b>
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### Small Business Emphasis —

BUS 315 Sales and Sales Management	3
BUS 345 Advertising	3
BUS 355 Fundamentals of Income Taxation	4
BUS 362 Human Resource Management	3
BUS 365 Small Business Management	3
BUS 366 Business Communications	3

Plus 11 semester hours of 300- to 400-level business courses approved by the student's advisor.

<b>TOTAL</b>	<b>72</b>
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## Bachelor of Arts Degree Requirements Business Administration Major

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. Completion of one of the following emphases:

### Advertising Emphasis —

Complete the following required courses:

AR 206 Design/2D	3
AR 207 Design/3D	3
AR 208 Drawing	3
AR 280 Photography	3

AR 301 Typography	3
AR 302 Graphic Communications	3
AR 306 Design Problems	3
AR 310 Graphic Design I	3
AR 311 Graphic Design II	3
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
BUS 448 Interactive Marketing	3
BUS 454 Market Research and Information	3
BUS 460 Marketing Management	3
BUS 466 Business Ethics	3
ECON 255 Principles of Economics I	3

Plus: Nine semester hours from speech and/or journalism and six semester hours from business.

### Applied Business Emphasis —

BUS 120 Business Computer Applications I	3
BUS 207 Intro to Accounting I	3
BUS 208 Intro to 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
BUS 363 Managerial Finance	3
BUS 366 Business Communications	3
BUS 430 Production & Operations Management	3
BUS 480 Global Business Strategies	3
ECON 255 Principles of Economics I	3
ECON 256 Principles of Economics II	3

This curriculum mirrors the requirements of Bachelor of Arts in business administration, general business emphasis. All current Adams State requirements in general education, writing and technology proficiency, 120 total credits and 42 upper-division credits remain in force. The significant difference between this emphasis and all other emphases in both the B.A. and B.S. in business administration is the acceptance of up to 30 semester technical credits which will be applied in the elective area. Decisions on the acceptance of individual technical courses will be made by the student's advisor, subject to the approval of the department chair. Acceptance of technical credits applies only to this emphasis within this degree.

### Business Teacher Education Emphasis —

Completion of the following courses plus the secondary teaching certification/licensure requirements of the Department of Teacher Education.

BUS 103 Introduction to Business	3
BUS 120 Business Computer Applications I	3
BUS 207 Principles of Accounting I	3
BUS 208 Principles of Accounting II	3

BUS 211 Business Law	3	<b>Elective Courses —</b>	
BUS 304 Principles of Marketing	3	The student shall select and successfully complete	
BUS 313 Methods of Teaching Business Education	3	at least 3 of the following courses:	
BUS 320 Business Computer Applications II	3	GOVT 399 Internship in International Business	3
BUS 323 Computerized Accounting	1	GOVT 479 Topics in Comparative Government	3
BUS 361 Principles of Management	3	GOVT 479 Topics in International Relations	3
BUS 363 Managerial Finance	3	HIST 356 Latin America Since 1830	3
BUS 366 Business Communications	3	HIST 357 Mexico	3
BUS 480 Global Business Strategies	3	HIST 427 U.S. in the 20th Century Since 1945	3
ECON 255 Principles of Economics I (Macro)	3		
Plus completion of one of the following areas of specialization:		<b>A.A./A.S. Degree Requirements</b>	
1. Accounting —		<b>General Business Emphasis</b>	
(BUS 305 Intermediate Accounting I		BUS 103 Introduction to Business	3
or BUS 307 Managerial Cost Accounting I		BUS 207 Principles of Accounting I	3
or BUS 355 Fundamentals of Income Taxation		BUS 211 Business Law	3
4)		BUS 366 Business Communications	3
2. Management Information Systems —		ECON 255 Principles of Economics	3
12 semester hours from the following:		BUS or ECON electives (100 or 200 Level)	3
BUS 324 Data Communications & Networking	3	ASC General Education Requirements	38
BUS 330 Business Programming Visual BASIC	3	Electives	4
BUS 340 Web Design and Development	3	<b>TOTAL</b>	<b>60</b>
BUS 350 Business Relational Databases	3		
BUS 425 Systems Analysis & Design	3	<b>Health Care Administration</b>	
BUS 465 Using UNIX/Linux in Business	3	<b>Certificate Requirements</b>	
		<b>Basics</b>	
<b>General Business Emphasis —</b>		HCA 303 Health Care Administration	3
BUS 120 Business Computer Applications I	3	HCA 305 Health Care Marketing	3
BUS 207 Principles of Accounting I	3	HCA 325 Health Care Information Systems	3
BUS 208 Principles of Accounting II	3	HCA 363 Health Care Finance	3
BUS 211 Business Law	3	<b>TOTAL</b>	<b>12</b>
BUS 304 Principles of Marketing	3		
BUS 318 Business Statistics	3	<b>Leadership</b>	
BUS 361 Principles of Management	3	HCA 311 Health Care Law and Ethics	3
BUS 363 Managerial Finance	3	HCA 455 Health Care Economics	3
BUS 366 Business Communications	3	HCA 462 Quality Management in Health Care	3
BUS 430 Production & Operations Management	3	HCA 480 Health Care Policy	3
BUS 480 Global Business Strategies	3	<b>TOTAL</b>	<b>12</b>
ECON 255 Principles of Economics I (Macro)	3		
ECON 256 Principles of Economics II (Micro)	3	<b>5-year B.S./M.B.A. Program</b>	
<b>Pre-International Business Emphasis —</b>		Adams State College School of Business is pleased	
This emphasis prepares a student for graduate		to offer a new program that allows select business	
study in the field of international business. A		majors to earn a bachelor's and M.B.A. in just five	
student seeking this emphasis completes all		years. The 5-year B.S./M.B.A. helps exceptional	
courses for the Bachelor of Arts degree in business		Adams State students get a head start in their	
administration-general business emphasis, except		career in business.	
BUS 318—Business Statistics and BUS 430—		The 5-year B.S./M.B.A. program provides a solid	
Production & Operations Management, plus the		foundation for students to launch a successful	
following:		career in business. The curriculum allows students	
Foreign Language (chosen in consultation with the		several options so they can customize their degree	
department chair)	12-18	to the area in business most relevant to their	
GOVT 300 Introduction to World Politics	3	career goals.	
GOVT 301 Changing Dynamics in		The B.S./M.B.A. provides a seamless transition	
International Relations	3	from an undergraduate program to the graduate	
GOVT 307 Introduction to World Governments	3	program, allowing students to cultivate and	
GOVT 308 Pacific Rim and the 21st Century		strengthen their business expertise and maintain	
World	3		
GOVT 468 U.S.-Latin American Relations	3		



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.

## Department of Chemistry, Computer Science, and Mathematics

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

The Department of Chemistry, Computer Science, and Mathematics is a diverse department offering bachelor's degrees in chemistry, computer science, mathematics. We have interdisciplinary degree plans involving physics, as well as secondary licensure degrees, and some pre-professional program areas of studies. More information is on the Web site.

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.

The Mathematics Program offers four degree programs in mathematics and computer science: a Bachelor of Arts degree in mathematics, a Bachelor of Arts degree in mathematics with secondary teacher licensure, and Bachelor of Science degrees in mathematics 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.

Students in the department with an interest in physics or astronomy are encouraged to become involved with the Zacheis Planetarium and Observatory. The planetarium is the center for many physics projects. In the past, students have developed computer controls and have done work on various imaging and graphics problems.

### Faculty

Aldrich, Astalos, Beeton, Ikle, Jones, Loveland, Miller, Nehring, Sellman, Vance, Weathers.

### Degree and Licensure Programs

#### Bachelor of Arts

- Chemistry
- Mathematics

**Secondary Teacher Licensure available in:**

- Chemistry
- Mathematics

**Bachelor of Science**

- Chemistry
- Mathematics/Computer Science

**Associate of Arts****Associate of Science**

- Computer Security

**Pre-Professional and Allied Health Programs**

- Pre-Engineering
- Pre-Pharmacy

**Minors**

- Chemistry
- Communications Technology
- Computer Science
- General Science
- Mathematics
- Physics

**Chemistry, Computer Science, Mathematics Degree Requirements****Bachelor of Arts: Chemistry**

1. 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 in upper-division courses.
2. Courses are to be selected by the student in consultation with the coordinator of the chemistry program and the advisor to include:

CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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 Physical Chemistry Lecture/ Thermodynamics	3
CHEM 432 Physical Chemistry Lecture/Quantum Mechanics	3
CHEM 433 Physical Chemistry Lab	2
CHEM 434 Physical Chemistry Lab	2
CHEM 471 Chemistry Seminar	1
CHEM 472 Chemistry Seminar	1
MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5

Either of the following physics sequences:

PHYS 225 College Physics I	5
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(PHYS 226 College Physics II or PHYS 230 General Physics I	5 4)
PHYS 231 General Physics I Lab	1
PHYS 232 General Physics II	4
PHYS 233 General Physics II Lab	1

The following course combination is recommended:

CHEM 334 Environmental Chemistry	2
CHEM 334L Environmental Chemistry Lab	1

**Bachelor of Arts: Chemistry for Allied Health Professions**

1. 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 in upper-division courses.
2. Chemistry courses are to be selected by the student in consultation with the coordinator of the chemistry program and the advisor to include:

CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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 I	3
CHEM 401L Biochemistry I Lab	1
CHEM 402 Biochemistry II	3
CHEM 471 Chemistry Seminar	1
CHEM 472 Chemistry Seminar	1

Either of the following mathematics sequences:

(MATH 106 College Algebra and MATH 107 Trigonometry & Analytical Geometry	3 3)
or (MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5)

Either of the following physics sequences:

PHYS 225 College Physics I	5
(PHYS 226 College Physics II or PHYS 230 General Physics I	5 4)
PHYS 231 General Physics I Lab	1
PHYS 232 General Physics II	4
PHYS 233 General Physics II Lab	1

3. A minor in biology is required.

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

## Bachelor of Arts: Chemistry (Science Education) — Secondary Teacher Licensure

1. Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper-division courses. In addition, students must satisfy the secondary teacher licensure requirements listed under the Department of Teacher Education.

2. Courses are to be selected by the student in consultation with the coordinator of the chemistry program and the advisor to include:

CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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 334 Environmental Chemistry	3
CHEM 334L Environmental Chemistry Lab	1
(or other environmental course approved by coordinator)	
CHEM 431 Physical Chemistry Lecture/ Thermodynamics	3
CHEM 471 Chemistry Seminar	1
CHEM 472 Chemistry Seminar	1
MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5
SCI 156 Integrated Science II: Natural Science	4
ED 350 Methods in Secondary Science and Mathematics	3
The following course is highly recommended:	
CHEM 461 Inorganic Chemistry	3
CHEM 461L Inorganic Chemistry Lab	1

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

## Bachelor of Science: Chemistry

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable coursework, 42 hours of which must be upper-division courses.

2. Courses are to be selected by the student in consultation with the coordinator of the chemistry program and the advisor to include:

CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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 Physical Chemistry Lecture/ Thermodynamics	3
CHEM 432 Physical Chemistry Lecture/ Quantum Mechanics	3
CHEM 433 Physical Chemistry Lab	2
CHEM 434 Physical Chemistry Lab	2
CHEM 471 Chemistry Seminar	1
CHEM 472 Chemistry Seminar	1
CHEM 401 Biochemistry/Lab	4
CHEM 461 Inorganic Chemistry	3
CHEM 461L Inorganic Chemistry Lab	1
MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5

One of the following two mathematics courses:

(MATH 220 Multivariable Calculus or MATH 327 Differential Equations)	4 3)
PHYS 230 General Physics I	4
PHYS 231 General Physics I Lab	1
PHYS 232 General Physics II	4
PHYS 233 General Physics II Lab	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	2
CHEM 334L Environmental Chemistry Lab	1
ECON 255 Principles of Economics I	3
MATH 321 Linear Algebra	3
PHYS 300 Electronics and Electrical Measurements	3

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: Biochemistry

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable coursework, 42 hours of which must be upper-division courses.

2. Courses are to be selected by the student in consultation with the coordinator of the chemistry program and the advisor to include:			
CHEM 131 General Chemistry	4	CHEM 331L Analytical Chemistry Lab	2
CHEM 131L General Chemistry Lab	1	CHEM 332 Analytical Chemistry	3
CHEM 132 General Chemistry	4	CHEM 332L Analytical Chemistry Lab	2
CHEM 132L General Chemistry Lab	1	CHEM 431 Physical Chemistry Lecture/ Thermodynamics	3
CHEM 321 Organic Chemistry	4	CHEM 432 Physical Chemistry Lecture/ Quantum Mechanics	3
CHEM 321L Organic Chemistry Lab	1	CHEM 433 Physical Chemistry Lab	2
CHEM 322 Organic Chemistry	4	CHEM 434 Physical Chemistry Lab	2
CHEM 322L Organic Chemistry Lab	1	CHEM 461 Inorganic Chemistry	3
CHEM 331 Analytical Chemistry	3	CHEM 461L Inorganic Chemistry Lab	1
CHEM 331L Analytical Chemistry Lab	2	CHEM 471 Chemistry Seminar	1
CHEM 332 Analytical Chemistry	3	CHEM 472 Chemistry Seminar	1
CHEM 332L Analytical Chemistry Lab	2	PHYS 230 General Physics I	4
CHEM 401 Biochemistry I	3	PHYS 231 General Physics I Lab	1
CHEM 401L Biochemistry I Lab	1	PHYS 232 General Physics II	4
CHEM 402 Biochemistry II	3	PHYS 233 General Physics II Lab	1
CHEM 431 Physical Chemistry Lecture/ Thermodynamics	3	PHYS 300 Electronics and Electrical Measurement	3
CHEM 433 Physical Chemistry Lab	2	PHYS 302 Mechanics	4
CHEM 471 Chemistry Seminar	1	PHYS 304 Electricity and Magnetism	4
CHEM 472 Chemistry Seminar	1	PHYS 306 Modern Physics	4
CHEM 476 Molecular Biology	4	MATH 120 Single Variable Calculus I	5
MATH 120 Single Variable Calculus I	5	MATH 121 Single Variable Calculus II	5
MATH 121 Single Variable Calculus II	5	MATH 220 Multivariable Calculus	4
		MATH 327 Differential Equations	3
Either of the following physics sequences:		The following courses are highly recommended:	
(PHYS 225 College Physics I	5	CHEM 322 Organic Chemistry	4
PHYS 226 College Physics II	5)	CHEM 322L Organic Chemistry Lab	1
or (PHYS 230 General Physics I	4		
PHYS 231 General Physics I Lab	1)		
PHYS 232 General Physics II	4		
PHYS 233 General Physics II Lab	1		
BIOL 203 General Biology	5		
BIOL 204 General Biology	5		
BIOL 321 Genetics	3		
BIOL 323 Cellular Biology	3		
BIOL 325 Cellular Biology/Genetics Lab	1		
BIOL 332 Evolution	3		

### Bachelor of Science: Chemical Physics

Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper-division courses.

Courses are to be selected by the student in consultation with the coordinator of the chemistry program and the advisor to include:

CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
CHEM 321 Organic Chemistry	4
CHEM 321L Organic Chemistry Lab	1
CHEM 331 Analytical Chemistry	3

### Elementary Education Licensure — Minor in Chemistry

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.

### Bachelor of Arts: Mathematics

1. Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable course work, 42 hours of which must be upper-division courses.

2. Completion of the following required courses or their equivalents:	
MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5
MATH 220 Multivariable Calculus	4
MATH 250 Introduction to Mathematical Thought	3
MATH 321 Linear Algebra	3
MATH 322 Algebraic Structures I	3

MATH 403 Senior Assessment	2
MATH 420 Advanced Analysis I	3
3. Plus a minimum of 9 credits selected from the following list:	
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 and Statistics	3
MATH 360 Advanced Quantitative Methods I	3
MATH 361 Advanced Quantitative Methods II	3
MATH 375 Simulation	3
MATH 421 Advanced Analysis II	3
MATH 430 Complex Analysis	3
4. Plus one of the following courses:	
CSCI 207 Computer Science IA: Fundamentals of Programming	3
CSCI 210 Programming for Mathematics, Science and Engineering	3
5. 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 203 General Biology	5
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry	1
(GEOL 111 Physical Geology	4
or GEOG 101 Intro to Physical Geography	4)
PHYS 230/231 General Physics I/Lab	5
PHYS 232/233 General Physics II/Lab	5
6. Additional Support Courses:	
a. ENG 226 Basic Grammar & History of English	3
b. And any of the following options:	
i. ENG 357 Introduction to Linguistics	3
ii. ENG 363 Advanced Composition	3
iii. One year of foreign language	6

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 and Statistics	3

### **Bachelor of Arts: Mathematics — 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.

Students interested in pursuing a career teaching high school mathematics are strongly encouraged to consider the secondary licensure - Track 1 (above).

1. 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.
2. Completion of the secondary teacher licensure requirements listed under the Department of Teacher Education including ED 350—Methods in Secondary Science and Mathematics.
3. Completion of the following required courses or their equivalents:

MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5
MATH 150 Liberal Arts Mathematics	3
MATH 205 Introduction to Statistical Methods	3
MATH 250 Introduction to Mathematical Thought	3
MATH 331 Modern Geometry	3
MATH 335 History of Mathematics	3
MATH 403 Senior Assessment	2
4. 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 150 Introduction to Programming	3
CSCI 207 Computer Science IA: Fundamentals of Programming	3
CSCI 210 Programming for Mathematics, Science and Engineering	3
MATH 140 Geometry with Technology	3
MATH 220 Multivariable Calculus	3
MATH 321 Linear Algebra	3
MATH 322 Algebraic Structures I	3
MATH 327 Differential Equations	3
MATH 330 Numerical Analysis	3
MATH 340 Probability and Statistics	3
MATH 420 Advanced Analysis I	3
MATH 430 Complex Analysis	3

### **Bachelor of Arts: Mathematics — Secondary Teacher Licensure — Track 1**

1. 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.
2. Completion of the secondary teacher licensure requirements listed under the Department of Teacher Education including ED 350 Methods in Secondary Science and Mathematics.

5. Additional Support Courses:
- a. ENG 226 Basic Grammar & History of English 3
  - b. AND any of the following options:
    - i. ENG 357 Introduction to Linguistics 3
    - ii. ENG 363 Advanced Composition 3
    - iii. One year of foreign language 6

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.

**Bachelor of Science: Mathematics — Computer Science**

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable coursework, 42 hours of which must be in upper-division courses.
2. Completion of the following required courses or their equivalents:
  - CSCI 207 Computer Science IA: Fundamentals of Programming 3
  - CSCI 208 Computer Science IB: Object-Oriented Programming 1
  - CSCI 209 Computer Science II: Advanced Programming 4
  - CSCI 245 Web Programming and Security 3
  - CSCI 250 Human-Computer Interaction 3
  - CSCI 301 Software Development and Professional Practice I 2
  - CSCI 302 Software Development and Professional Practice II 2
  - CSCI 308 Architecture and Operating Systems 3
  - CSCI 325 Algorithm Design and Analysis 3

- CSCI 330 Artificial Intelligence 2
- CSCI 360 Database Management Systems 2
- CSCI 410 Computer Graphics and Multimedia 3
- CSCI 445 Distributed Computing 3
- MATH 120 Single Variable Calculus I 5
- MATH 121 Single Variable Calculus II 5
- MATH 250 Introduction to Mathematical Thought 3

- MATH 321 Linear Algebra 3
- MATH 322 Algebraic Structures I 3
- MATH 340 Probability & Statistics 3
- MATH 403 Senior Assessment 2

3. Either of the following networking course options:
  - CSCI 215 Networking and Security 3
  - (with CSCI 216 Networking and Security Lab or CSCI 345 Net-Centric Computing 3)

4. Additional Support Courses:
  - a. ENG 226 Basic Grammar & History of English 3
  - b. And any of the following options:
    - i. ENG 357 Introduction to Linguistics 3
    - ii. ENG 363 Advanced Composition 3
    - iii. One year of foreign language 6

Note: For students who plan to pursue graduate studies in computer science, PHYS 300—Electronics and Electrical Measurements is strongly recommended. Also, CSCI 302 must be completed during the May summer session of odd years.

**Bachelor of Science: Mathematics — Physics Emphasis**

1. Completion of the general education requirements for the Bachelor of Science degree including a total of 120 hours of acceptable coursework, 42 hours of which must be in upper-division courses.
2. Completion of the following course requirements:
  - CHEM 131 General Chemistry 4
  - CHEM 131L General Chemistry Lab 1
  - CHEM 132 General Chemistry 4
  - CHEM 132L General Chemistry Lab 1
  - CHEM 432 Physical Chemistry/Quantum Mechanics 3
  - MATH 120 Single Variable Calculus I 5
  - MATH 121 Single Variable Calculus II 5
  - MATH 220 Multivariable Calculus 4
  - MATH 250 Introduction to Mathematical Thought 3
  - MATH 321 Linear Algebra 3
  - MATH 327 Differential Equations 3
  - MATH 330 Numerical Analysis 3
  - MATH 403 Senior Assessment 2
  - PHYS 230 General Physics I 4
  - PHYS 231 General Physics I Lab 1
  - PHYS 232 General Physics II 4
  - PHYS 233 General Physics II Lab 1

PHYS 244 Electric Circuits	3
PHYS 300 Electronics & Electrical Measurement	3
PHYS 302 Mechanics	4
PHYS 304 Electricity and Magnetism	4
PHYS 306 Modern Physics	4
3. Plus one of the following courses:	
CSCI 207 Computer Science IA: Fundamentals of Programming	3
CSCI 210 Programming for Mathematics, Science and Engineering	3
4. Additional Support Courses:	
a. ENG 226 Basic Grammar & History of English	3
b. And any of the following options:	
i. ENG 357 Introduction to Linguistics	3
ii. ENG 363 Advanced Composition	3
iii. One year of foreign language	6

### Minor in Mathematics

MATH 120 Single Variable Calculus I	5
MATH 121 Single Variable Calculus II	5
MATH 220 Multivariable Calculus	4
MATH 250 Introduction to Mathematical Thought	3
MATH XXX Electives approved by the dept. chair	3

### Minor in Communications Technology

This interdisciplinary minor is a good choice for a student not in computer science but interested in building and maintaining Web sites. The minor requires the following core:

CSCI 150 Introduction to Programming	3
CSCI 208 Computer Science IB: Object-Oriented Programming	1
CSCI 245 Web Programming and Security	3
CSCI 250 Human-Computer Interaction	3
CSCI 320 Advanced Internet	3
CSCI XXX Electives approved by the dept. chair	3

### Minor in Computer Science

CSCI 200 Discrete Concepts	3
CSCI 208 Computer Science IB: Object-Oriented Programming	1
CSCI 209 Computer Science II: Advanced Programming	4
CSCI XXX Electives approved by the dept. chair	9

### Minor in Physics

Candidates for the minor in physics are required to take the following course work:

PHYS 230 General Physics I	4
PHYS 231 General Physics I Lab	1
PHYS 232 General Physics II	4
PHYS 233 General Physics II Lab	1
PHYS 306 Modern Physics	4
PHYS XXX Electives approved by the dept. chair	4

### Bachelor of Arts: Interdisciplinary Studies — General Science Secondary Teacher Licensure

1. Completion of the general education requirements for the Bachelor of Arts degree including a total of 120 hours of acceptable course work, 42 hours of which must be in upper-division courses.
2. Completion of the secondary teacher licensure requirements listed under the Department of Teacher Education including ED 350 Methods in Secondary Science and Mathematics.
3. Completion of the following required courses or their equivalents:

BIOL 203 General Biology	5
BIOL 204 General Biology	5
BIOL 321 Genetics	3
BIOL 332 Evolution	3
(BIOL 323 & 325 Cellular Biology and Lab or BIOL 330 Ecology)	4)
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
CHEM 321 Organic Chemistry	4
CHEM 321L Organic Chemistry Lab	1
CHEM 331 Analytical Chemistry	4
CHEM 331L Analytical Chemistry Lab	1
GEOL 111 Physical Geology	4
GEOL 112 Historical Geology	4

And one of the following courses:

GEOL 321 Geomorphology	4
GEOL 331 Mineralogy	4
GEOL 340 Intro to Hydrology	4
GEOL 343 Sedimentology	4
GEOL 371 Structural Geology	4

Either of the following combinations:

PHYS 225 & 226 College Physics	10
PHYS 230, 231, 232 & 233 General Physics	10

Note: Due to mathematics prerequisites in some of the science courses, students would need to complete MATH 106, 107 or 120 as their general education mathematics course.

### Minor in General Science

18 credit hours from the following list in consultation with the department chair of Chemistry, Computer Science, and Mathematics.

(BIOL 101 Introductory Biology or BIOL 203 General Biology)	5)
(CHEM 111 Introductory Chemistry (and lab) or CHEM 131 General Chemistry (and lab))	5)
(GEOG 101 Introductory Physical Geography or GEOL 111 Physical Geology)	4)
PHYS 201 Introduction to Astronomy	4
PHYS 225 College Physics I	5

## Associate of Science: Computer Security

1. Completion of college general education requirements.
2. Completion of one of the following courses:
  - CSCI 100 Essentials of Information Technology 3
  - CSCI 207 Computer Science IA: Fundamentals of Programming 1
  - CSCI 210 Programming for Math, Science and Engineering 3
3. Completion of all the following courses:
  - CSCI 170 Computer Security 2
  - CSCI 215 Networking and Security 3
  - CSCI 216 Networking and Security Laboratory 2
  - CSCI 245 Web Programming and Security 4
  - CSCI 275 Professional Practice 1
4. Electives (5 credits) for a total of 60 credits

## Pre-Professional and Allied Health Programs Degree Requirements

### 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 203 General Biology	5
BIOL 204 General Biology	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	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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	3
MATH 107 Trigonometry and Analytic Geometry	3
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5
ECON 255 Principles of Economics	3
ENG 101 Communication Arts I	3
ENG 102 Communication Arts II	3
ENG 103 Major Themes in Literature	3

SPCH 100 Speech Fundamentals	3
Approved sequence in fine arts/humanities	6

### Pre-Engineering (Recommended Curriculum)

Colorado School of Mines, Colorado State University and the University of Colorado will cooperate with Adams State College 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 College 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 —	
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
ENG 101 Communication Arts	3
MATH 120 Single Variable Calculus I	5
PHYS 102 Introduction to Engineering Design	2
PHYS 210 Computer Aided Drafting	3

#### Spring —

ENG 102 Communication Arts II	3
CSCI 210 Programming for Mathematics, Science and Engineering	3
MATH 121 Single Variable Calculus II	5
PHYS 230 General Physics I Lecture	4
PHYS 231 General Physics I Laboratory	1
*Technical Electives	4-5

#### Sophomore year:

Fall —	
MATH 220 Multivariable Calculus	4
PHYS 232 General Physics II Lecture	4
PHYS 233 General Physics II Laboratory	1
PHYS 242 Statics	3
**Approved electives in fine arts/humanities or history/government	6

#### Spring —

MATH 327 Differential Equations	3
PHYS 243 Dynamics	3
PHYS 244 Electric Circuits	3
**Approved electives in fine arts/humanities or history/government	6

\*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.

\*\*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.

### 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	5
BIOL 204 General Biology	5
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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	3
ENG 102 Communication Arts II	3
ENG 203 Major Themes in Literature	3
MATH 106 College Algebra	3
MATH 107 Trigonometry and Analytic Geometry	3
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5

### Pre-Nursing

Adams State College offers a variety of courses that will prepare students for entry into one of the many bachelor's degree-granting nursing programs (B.S.N.) in the state and in the region. The specific requirements for each program vary widely and sometimes include courses not offered at Adams State or offered only through distance-learning arrangements with other institutions. Students interested in completing a degree-based nursing program should consult the regional

Colorado Nursing Task Force coordinator (719-589-4977) and the Adams State nursing advisor to choose an appropriate program. After this choice is made, an appropriate two-year Adams State pre-nursing course of study can be designed. The following Adams State courses are typical of requirements for entry into a bachelor's degree program in nursing.

BIOL 205 Human Anatomy and Physiology	4
BIOL 206 Human Anatomy and Physiology	4
BIOL 125 Nutrition	2
BIOL 215 Microbiology for Non-Majors	4
(CHEM 105 Intro to General, Organic and Biological Chemistry	4
CHEM 105L Intro to General, Organic and Biological Chemistry Lab	1)
or (CHEM 111 Introductory Chemistry	4
CHEM 111L Introductory Chemistry Lab	1)
ENG 101 Communication Arts I	3
ENG 102 Communication Arts II	3
(PSYC 211 Introduction to Statistics with Lab	3
or MATH 205 Introduction to Statistical Methods	3)
PSYC 101 Introduction to Psychology	3
(PSYC 235 Lifespan Development for Nurses	3)
or (PSYC 204 Child Development	3
PSYC 205 Adolescent and Adult Development	3)
SOC 201 Introduction to Sociology	3
Approved courses in fine arts/humanities	3
Approved courses in history	3

### Pre-Optometry

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

BIOL 205 Human Anatomy and Physiology	4
BIOL 206 Human Anatomy and Physiology	4
BIOL 203 General Biology	5
BIOL 204 General Biology	5
BIOL 447 Microbiology	4
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1

CHEM 321 Organic Chemistry	4	Notes: Some schools require two semesters of anatomy
CHEM 321L Organic Chemistry	1	and physiology. Some schools require the human
CHEM 322 Organic Chemistry	4	anatomy be cadaver based, which is not available at
CHEM 322L Organic Chemistry Lab	1	Adams State.
MATH 120 Single Variable Calculus I	5	Students who are not prepared to start calculus during
MATH 205 Introduction to Statistical Methods	3	their first year should plan to take MATH 106 and

Either of the following sequences in physics:

(PHYS 225 College Physics I	5	semesters of calculus. Some schools also require MATH
and PHYS 226 College Physics II	5)	205—Statistics. Some schools require two semesters of
or (PHYS 230 General Physics I	4	physics.
and PHYS 231 General Physics I Lab	1)	<b>Other pre-professional courses required for most</b>
PHYS 232 General Physics II	4	<b>programs:</b>
PHYS 233 General Physics II Lab	1	ENG 101 Communication Arts I
PSYC 101 Introduction to Psychology	3	ENG 102 Communication Arts II
SOC 201 The Sociological Imagination	3	ECON 255 Principles of Economics I
		SPCH 100 Speech Fundamentals
		One course in psychology, sociology, or history
		Social science and humanities electives

### Pre-Pharmacy

Adams State College 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	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	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	5
BIOL 204 General Biology	5
(BIOL 205 Human Anatomy and Physiology	4
or BIOL 215 Microbiology for Non-Majors & Lab4)	
MATH 120 Single Variable Calculus I	5
PHYS 225 College Physics I	5

ENG 101 Communication Arts I 3

ENG 102 Communication Arts II 3

ECON 255 Principles of Economics I 3

SPCH 100 Speech Fundamentals 3

One course in psychology, sociology, or history 3

Social science and humanities electives 9-15

All schools require some degree of proficiency with computer technology.

### 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 and Physiology/Lab 4

BIOL 206 Human Anatomy and Physiology/Lab 4

BIOL 203 General Biology/Lab 5

BIOL 204 General Biology/Lab 5

CHEM 131\* General Chemistry 4

CHEM 131L General Chemistry Lab 1

CHEM 132\* General Chemistry 4

CHEM 132L General Chemistry Lab 1

MATH 106 College Algebra 3

MATH 107 Trigonometry and Analytic Geometry 3

PHYS 225 College Physics I 5

PHYS 226 College Physics II 5

PSYC 101 Introduction to Psychology 3

Other courses that may be required or recommended:

BIOL 125 Nutrition	2
CHEM 321 Organic Chemistry	4
CHEM 321L Organic Chemistry Lab	1
CHEM 401 Biochemistry I	3
CHEM 401L Biochemistry I Lab	1
HPPE 329 Exercise Physiology	2
HPPE 340 Kinesiology	3
MATH 205 Introduction to Statistical Methods	3
PSYC 204 Child Development	3
PSYC 205 Adolescent and Adult Development	3
PSYC 430 Abnormal Psychology	3
SOC 201 The Sociological Imagination	3

\*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.

### 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	5
BIOL 204 General Biology	5
BIOL 321 Genetics	3
BIOL 406 Comparative Animal Physiology	4
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
(MATH 205 Introduction to Statistical Methods or PSYC 211 Introduction to Statistics with Lab	3)
PSYC 101 Introduction to Psychology	3
PSYC 204 Child Development	3
Upper-division science (3 additional credit hours)	3
Humanities (not including ENG 101)	12
Upper-division semester hours	18

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	5
BIOL 204 General Biology	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	4
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
CHEM 321 Organic Chemistry	4
CHEM 321L Organic Chemistry Lab	1
CHEM 401 Biochemistry I	3
CHEM 401L Biochemistry I Lab	1
ENG 101 Communication Arts I	3
ENG 102 Communication Arts II	3
MATH 106 College Algebra	3
MATH 107 Trigonometry & Analytic Geometry	3
MATH 205 Introduction to Statistical Methods	3
PHYS 225 College Physics I	5
PHYS 226 College Physics II	5
SPCH 100 Speech Fundamentals	3

Plus additional, required general education courses.

### Other Health-Related Careers

Recommended curriculum patterns are available from the Allied Health Advisory Committee for hospital administration, pre-podiatry, and pre-chiropractic programs.

# Department of English, Theatre and Communication

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

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.

The Theatre Program at Adams State College 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.

## Degree Programs

### Bachelor of Arts: English

- Liberal Arts
- Secondary Teacher Licensure
- Mass Communication
- Creative Writing

### Bachelor of Arts: Theatre

- Liberal Arts
- Secondary English Licensure

### Associate of Arts

- Multimedia Journalism
- Theatre

### Minors

- Creative Writing Minor
- English Minor
- Mass Communication Minor
- Theatre Minor

## Bachelor of Arts Degree Requirements

### English Major

Students must choose a degree program in creative writing, mass communication, liberal arts, or secondary education.

### English/Liberal Arts Degree Program

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. The following core courses are required:

ENG 210 Study of Literature	3
ENG 226 Basic Grammar and History of 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
<b>TOTAL</b>	<b>21</b>

Choose one of the following:

ENG 309 English Literature I	3
ENG 407 Chaucer	3
ENG 409 Renaissance Literature	3

Choose one of the following:

ENG 310 English Literature II	3
ENG 450 Romantic and Victorian Literature	3
ENG 350 20th Century British & Commonwealth Literature	3

Choose one of the following:

ENG 395 American Literature II	3
ENG 443 Twentieth Century American Novel	3
ENG 458 Modern 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/THTR 255 Women and Drama	3
ENG 312 World Literature II	3
ENG 365 Ethnic Literature	3
ENG 375 Chicano Literature	3
ENG 385 Women and Literature	3

- Choose one of the following:
- |                                       |   |  |   |
|---------------------------------------|---|--|---|
| ENG/THTR 490 Studies in Major Authors | 3 | AR 302 Graphic Communications                  | 3 |
| ENG/THTR 472 Contemporary Drama       | 3 | BUS 312 Web Design I                           | 3 |
| ENG/THTR 465 Modern Drama             | 3 | BUS 345 Advertising                            | 3 |
| ENG 355 The Novel                     | 3 | BUS 385 Sports Marketing                       | 3 |
| ENG/THTR 470 Classical Drama          | 3 | ENG (any 300- or 400-level English Lit course) | 3 |
| ENG 357 Introduction to Linguistics   | 3 | GOVT 393 Women, Politics and Culture*          | 3 |
| ENG 479 Special Topics                | 3 | HIST 427 U.S. History Since 1950               | 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. For the minor, ENG 210—Study of Literature is required; 6 of the 18 hours need to be at the 300 and/or 400 level.

- |  |     |
|--|-----|
| HPPE 249 Sports Writing and Statistics | 1-2 |
| SOC 251 Social Problems*               | 3   |
| SOC 318 "Race," Class, Gender*         | 3   |
| SPCH 100 Speech Fundamentals           | 3   |
| SPCH 330 Directing Forensics/Debate    | 3   |
| THTR 242 Voice for Performance         | 3   |
| THTR 250 Cinema                        | 3   |
| WS 201 Women's Studies                 | 3   |

\* Requires prerequisite in GOVT/SOC

- A portfolio of the student's work must be submitted during the senior year. Guidelines for assembling the portfolio and deadlines for submission are available from the department chair or the major advisor.
- A minor in an area of specialization is recommended.
- Students must have at least 42 credit hours in 300- or 400-level courses to graduate. JOUR 496 is highly recommended for all Mass Communication students.

### English/Communication Degree Program

- Completion of the general education requirements for the Bachelor of Arts degree.
- Completion of these core English courses:
 

ENG 210 The Study of Literature	3
ENG 226 Basic Grammar and History of English	3
- Completion of the core Communication requirements (21 hours):
 

JOUR 255 The Media and America	3
JOUR 275 Basic Media Writing	3
JOUR 340 Advanced Media Writing	3
JOUR 350 Media Theory and Criticism	3
JOUR 425 Mass Comm. Research Methods	3
JOUR 457 Media Law and Ethics	3
JOUR 495 Mass Communication Senior Capstone	3
- Completion of three Communication electives (9 hours) (two courses must be at the 300 or 400 level):
 

JOUR 285 Radio Broadcasting	3
(JOUR 290 Radio Practicum	1-3
or JOUR 297 Newspaper Practicum	1-3)
JOUR 327 World Wide Web	3
JOUR 360 Media Management	3
JOUR 370 Newspaper and Magazine Editing	3
JOUR 385 Video Production I	3
(JOUR 390 Advanced Radio Practicum	1-3
or JOUR 397 Advanced Newspaper Practicum	1-3)
ENG 327 Intro to Creative Writing	3
ENG 328 Creative Writing: Nonfiction	3
ENG 363 Advanced Composition	3
ENG 427 Creative Writing: Fiction	3
ENG 475 Problems in American Studies	3
JOUR 496 Communication Internship	3
- Completion of three elective courses outside the Mass Communication program (9 hours):
 

AR 281 Beginning Digital Photography	3
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### English/Creative Writing Degree Program

- Completion of the Core English Requirements (24 hours)
 

ENG 210 The Study of Literature	3
THTR 213 Oral Interpretation of Literature	3
ENG 310 English Literature II:	
Romantics-Modern	3
(ENG 359 Mythology	3
or ENG 358 Bible as Literature	3)
ENG 363 Advanced Composition	3
ENG 395 American Literature II	3
ENG 458 Modern Poetry	3
ENG 480 Contemporary Literary Theory	3
- Completion of the Core Creative Writing Requirements (15 hours)
 

ENG 327 Introduction to Creative Writing	3
ENG 426 Advanced Creative Writing: Poetry	3
ENG 427 Advanced Creative Writing: Fiction	3
ENG 426 or 427 must be repeated once for credit	3
ENG 428 Senior Writing Project	3
- Two electives: choose any 300- or 400-level English course.
 

Recommended courses: World Literature II, Women and Literature, Contemporary Drama, Basic Media Writing, Ethnic and Minority Literature (6 hours)

- Students must complete one semester of a world language at the 200 level or higher. (3 hours)
- Completion of portfolio requirements as specified by department

### English/Secondary Teacher Licensure

- Completion of the general education requirements for the Bachelor of Arts degree, plus the secondary teacher licensure requirements listed under the Department of Teacher Education.
- Completion of the following required courses:
 

ENG 210 Study of Literature	3
ENG 226 Basic Grammar and History of English	3
ENG 309 English Literature I	3
ENG 310 English Literature II	3
ENG 314 Adolescent Literature	3
ENG 316 Methods of Teaching English	3
ENG 327 Creative Writing: An Introduction	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 and 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 Literature	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.

### English Minors or Emphases

English minors (18 or more semester hours) and areas of concentration (12 or more semester hours) are available in consultation with the chair of the Department of English, Theatre and Communication.

### English/Liberal Arts Minor

- Completion of ENG 210-The Study of Literature (3 credits).
- Completion of additional coursework to complete a total of 18 credit hours.

### Elementary Literacy Emphasis

- Completion of the general education requirements for the Bachelor of Arts degree, plus the elementary teacher licensure requirements listed under the Department of Teacher Education.
- Completion of the following required courses:
 

ENG 210 Study of Literature	3
ENG 226 Basic Grammar & History of English	3
One literature course, 300 level or above	3
One writing course, 300 level or above	3
One elective English course, 300 level or above	3

NOTE: For the minor, ENG 210—Study of Literature is required. Six of the 18 hours need to be at the 300 and/or 400 level.

### Mass Communication Minor

Completion of the communication emphasis core requirements (15 hours) and one communication elective (18 hours total).

### Creative Writing Minor

All students are required to take:  
ENG 210 Study of Literature  
In addition, five courses in creative writing chosen from the following must be selected.

ENG 327 Introduction to Creative Writing	
ENG 426 Creative Writing Poetry*	
ENG 427 Advanced Creative Writing: Fiction*	
ENG 328 Creative Non-Fiction	
ENG 428 Senior Writing Project	
ENG 458 Modern Poetry	

\*ENG 426 & 427 may each be repeated once for credit.

### Associate of Arts in Multimedia Journalism

This degree is available through consultation with the vice president of Academic Affairs.

### Theatre Arts Major

Please Note: All theatre majors and minors who wish to act, direct, or complete their senior theses must maintain a minimum cumulative grade point average of 2.5 and a previous semester grade point average of 2.0.

### Theatre/Liberal Arts

- Completion of the general education requirements for the Bachelor of Arts degree.
- Completion of the following required courses:
 

SPCH 100 Speech Fundamentals	3
THTR 223 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

3. Completion of six semester hours from each of the following groups:

**Group 1**

THTR 210 Stage Makeup	3
THTR 213 Oral Interpretation	3
THTR 288 Intermediate Acting I	3
THTR 310 Intermediate Acting II	3
THTR 325 Styles of Acting	3

**Group 2**

THTR 333 Theatre Design	3
THTR 335 Theatre Practicum	1-3
THTR 340 Costume Design	3
THTR 351 Stagecraft	3

**Group 3**

THTR 250 Cinema	3
ENG/THTR 255 Women and Drama	3
SPCH 330 Directing Forensics and Debate	3
THTR 375 Creative Dramatics	3
THTR 385 Play Direction	3

4. Completion of nine semester hours from the following:

THTR 401 Theatre History: Beginning through 17th Century	3
THTR 402 Theatre History: 18th Century through Present Day	3
ENG/THTR 403 Shakespeare	3
ENG/THTR 465 Modern Drama	3
ENG/THTR 470 Classical Drama	3
ENG/THTR 472 Contemporary Drama	3

**Theatre/Secondary English Licensure**

Completion of the general education requirements for the Bachelor of Arts degree plus the secondary teacher licensure requirements listed under the Department of Teacher Education.

1. Completion of the following courses:

SPCH 100 Speech Fundamentals	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 210 Study of Literature	3
ENG 226 Basic Grammar and History of English	3
(ENG 309 English Literature I	3
or ENG 310 English Literature II	3)
ENG 316 Methods of Teaching English	3
(ENG 394 American Literature I	3
or ENG 395 American Literature II	3)
ENG/THTR 403 Shakespeare	3
(ENG 365 Ethnic & Minority Literature	3
or ENG 375 Chicano Literature	3

or ENG 385 Women and Literature	3
or ENG/THTR 472 Contemporary Drama	3)
(ENG 327 Creative Writing: An Introduction	3
or ENG 363 Advanced Composition	3
or ENG 416 Teaching of Writing	3)

**Associate of Arts Degree Theatre**

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

2. Completion of the following courses:

THTR 210 Stage makeup	3
THTR 213 Oral Interpretation	3
THTR 223 Acting	3
THTR 242 Voice for Performance	3
THTR 255 Women and Drama	3
THTR 288 Intermediate Acting I	3

3. Completion of portfolio requirements as specified by department minor in theatre.

**Theatre Minor**

The minor in theatre arts is offered for those who wish to be more effective in communicating the knowledge and the use of the knowledge of their major. The minor is highly relevant and such 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.

## Department of History/ Government/Philosophy

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

The Department of History, Government, and Philosophy offers a major with areas of emphasis in the following: history, government, and secondary licensure (social studies). It offers minors in history, government, and philosophy, and oversees the pre-law and languages programs.

### Faculty

HGP: Backen, Centeno, Crowther, Goddard, Stuart Hilwig, Loosbrock, Roberds  
Spanish: Rayas-Solis

### Degree Programs

#### Bachelor of Arts: History/Government

Emphasis required in one of the following:

- History
- Government
- Secondary Licensure (Social Studies)

#### Bachelor of Arts: Spanish

- Liberal Arts
- Secondary Teacher Licensure

#### Minors:

- Anthropology
- Government
- History
- Philosophy
- Religious Studies
- Spanish

#### Associate of Arts: Social Studies

#### Pre-Law Program (Pre-Law Studies Core)

### Bachelor of Arts Degree Requirements

#### History/Government Majors

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. Completion of six credits of World History:
  - HGP 110 Development of Civilization 3
  - HGP 111 Development of Civilization 3
3. Completion of the following core courses:
  - GOVT 291 American Government 3
  - HIST 202 U.S. to 1865 3
  - HIST 203 U.S. Since 1865 3
  - HGP 471 Senior Seminar 3
4. Successful completion of Senior Assessment Procedures.
5. Completion of requirements for one of the following emphases:

#### Government Emphasis

Completion of 24 hours with at least one course from each of the following fields:

#### Political Theory —

GOVT 436 American Thought	3
GOVT 466 Ancient Political Theory	3
GOVT 467 Modern Political Theory	3
GOVT 3/479 Topics in Political Theory	3

#### American Politics —

GOVT 303 Current Political Issues	3
GOVT 305 Religion/Politics in the U.S.	3
GOVT 306 Pub. Opin./Elec. Media	3
GOVT 429 Constitutional Law/Crim. Just.	3
GOVT 430 Constitutional Law/Civ. Lib.	3
GOVT 450 Cong./Pres./Pub. Pol.	3
GOVT 3/479 Topics in American Govt.	3

#### Comparative Politics —

GOVT 307 Introduction to World Govt.	3
GOVT 308 Pacific Rim & 21st Century World	3
GOVT 325 Political Mvmts Latin Americans	3
GOVT 393 Women, Politics, and Culture	3
GOVT 3/479 Topics in Comparative Government	3

#### World Politics —

GOVT 300 Introduction to World Politics	3
GOVT 301 Changing Dynamics in International Relations	3
GOVT 468 U.S./Latin America Relations	3
GOVT 3/479 Topics in International Relations	3
<b>TOTAL</b>	<b>42</b>

### History Emphasis

Completion of at least four courses from each of the following two fields.

#### Europe and Latin America —

HIST 328 Chicano History	3
HIST 330 Middle Ages	3
HIST 331 Renaissance and Reformation	3
HIST 334 French Revolution and Napoleon	3
HIST 342 England	3
HIST 345 History of Germany	3
HIST 346 Imperial Spain	3
HIST 355 Latin America to 1830	3
HIST 356 Latin America since 1830	3
HIST 357 Mexico	3
HIST 358 Brazil	3
HIST 360 History of Italy	3
HIST 432 19th Century Europe	3
HIST 433 Modern Europe	3
HIST 434 Twentieth Century Europe	3
GOVT 468 U.S. / Latin American Relations	3

#### United States —

HIST 301 Colorado History	3
HIST 305 American West	3
HIST 314 Colonial America	3
HIST 316 American Revolution & Federalist Era	3
HIST 318 Foundations of American Diplomacy	3
HIST 320 History of American Women	3
HIST 322 Gilded Age	3
HIST 350 History of Sport in America	3
HIST 363 Civil War and Reconstruction	3



HIST 426 United States 20th Century to 1945	3
HIST 427 United States 20th Century since 1945	3
HIST 436 American Thought	3
GOVT 429 Constitutional Law I	3
GOVT 430 Constitutional Law II	3
<b>TOTAL</b>	<b>42</b>

### Social Studies Emphasis—Secondary

#### Teacher Licensure

- Successful completion of six hours of World History:
  - HGP 110 Development of Civilization 3
  - HGP 111 Development of Civilization 3
- Successful completion of all core courses (18 hours):
  - ECON 255 Economics 3
  - GEOG 300 World Geography 3
  - GOVT 291 American Government 3
  - HIST 202 U.S. to 1865 3
  - HIST 203 U.S. Since 1865 3
  - HGP 471 Senior Seminar 3
- Successful completion of a social science course (3 hours):
  - ANTH 201 Introduction to Anthropology 3
  - SOC 318 Race, Class & Gender 3
- Successful completion of a comparative government course (3 hours):
  - GOVT 307 Introduction to World Governments 3
  - GOVT 308 Pacific Rim & the 21st Century World 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 in a Pluralistic Society 3
  - HIST 328 Chicano History 3
  - HIST 357 Mexico 3
  - HIST 316 American Revolution and Federalist Era 3
  - HIST 363 Civil War and Reconstruction 3
  - HIST 427 U. S. Since 1945 3
  - HIST 433 Modern Europe 3
- Successful completion of the required field-based methods course (taken prior to student teaching):
  - HGP 316 Methods of Teaching Social Studies 3
- All students seeking social studies licensure are encouraged to seek competency in a foreign language.
- Completion of senior assessment procedures.

### History, Government, and Philosophy Minors

Minors and areas of concentration are available through consultation with the department chair. The minor consists of 18 credit hours, including some core courses.

### Anthropology Minor

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 Archaeology Field School	6
<b>TOTAL</b>	<b>18</b>

#### 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
<b>TOTAL</b>	<b>18</b>

### Government Minor

GOVT 291 American Government (required)	3
Elective government courses (300- to 400-level)	15
<b>TOTAL</b>	<b>18</b>

### History Minor

HIST 202 U.S. to 1865 (required)	3
HIST 203 U.S. Since 1865	3
Elective government courses (300- to 400-level)	15
<b>TOTAL</b>	<b>21</b>

### Philosophy Minor

1. Required Core Course	
PHIL 201 Introduction to Philosophy	3
2. Electives (15 hours from the following)	
PHIL 202 Ethics	3
PHIL 205 Logic	3
PHIL 300 Interrelations of the Arts	3
PHIL 303 Religions of the World	3
PHIL 379 War and Justice	3
PHIL 436 American Thought	3
PHIL 466 Ancient Political Theory	3
PHIL 467 Modern Political Theory	3
PHIL 479 Law, Liberty, Morality	3
<b>TOTAL</b>	<b>18</b>

### Religious Studies Minor

1. Required Core Course	
PHIL 203 Philosophy of Religion	3
2. Electives (15 hours from the following)	
ENG 358 The Bible as Literature	3
GOVT 305 Religion and Politics in the U.S.	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
<b>TOTAL</b>	<b>18</b>

## Associate of Arts: Social Studies

### History (9 hours) —

NOTE: these classes are to be taken in addition to those taken for Area II)

HGP 110 Development of Civilization	3
HGP 111 Development of Civilization	3
HIST 202 U.S. to 1865	3
HIST 203 U.S. since 1865	3

### Government (3 hours) —

GOVT 291 American Government Social Sciences (6 hours)	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 hours (minimum of 2 hours)	

Students may, in consultation with the department chair of History, Government and Philosophy, select enrichment courses with an HGP/HIST/GOVT/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.

## Pre-Law Program

The Pre-Law Program at Adams State College 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 designed to assist students in demonstrating these competencies.

### Pre-Law Studies Core —

GOVT 291 American Government	3
HIST 202 U.S. to 1865	3
HIST 203 U.S. Since 1865	3
GOVT 429 Constitutional Law I	3
GOVT 430 Constitutional Law II	3
GOVT 460 Pre-Law Studies Seminar	3
GOVT 466 Ancient Political Theory	3
GOVT 467 Modern Political Theory	3
ECON 255 Economics	3
BUS 207 Accounting I	3
(MATH 205 Intro to Statistical Methods or PSYC 211 Introduction to Statistics with Lab	3)
(PHIL 205 Logics or PHIL 202 Ethics	3)
Pre-law elective classes	12 hours
<b>TOTAL</b>	<b>48</b>

This component consists of 12 hours of upper-division courses selected in conjunction with the pre-law advisor. It includes at least six hours of literature and/or composition, with the remaining six hours consisting of government/political science courses with extensive research and writing components or a supervised internship, when available, with the Office of the Public Defender or Colorado Rural Legal Services. The internship involves a writing requirement.

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 College, Alamosa, CO. 81102. 719-587-7466. [ercrowth@adams.edu](mailto:ercrowth@adams.edu)

## Languages Program

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.

## Spanish/Liberal Arts Major

Placement System: A final grade of A or B in SPAN 104 or SPAN 203 will allow students to receive the same grade in the previous classes. An exam is available for SPAN 204, or students could obtain credits for this class by receiving a grade of A or B in SPAN 350.

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. Required Core Courses:
 

SPAN 313 Conversation and Composition I	3
SPAN 350 Advanced Grammar & Composition I	3
3. Civilization and Culture Courses (3 hours):
 

(SPAN 325 Civilization and Culture of Spain or SPAN 326 Civiliz./Culture of Latin America	3)
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4. Literature Courses (3 hours):
 

(SPAN 340 Topics in Spanish Literature or SPAN 341 Topics in Latin American Literature	3)
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- |  |  |     |
|--|--|-----|
| 5. Language Elective Courses (6 hours)   | (SPAN 325 Civilization & Culture of Spain  | 3   |
| SPAN 309 La Novela Picaresca   | or SPAN 326 Civiliz./Culture of Latin America  | 3)  |
| SPAN 310 Southwest Spanish   | 4. Literature Courses (3 hours)  |     |
| SPAN 315 Spanish for Business  | (SPAN 340 Topics in Spanish Literature   | 3   |
| SPAN 316 Spanish for Health Professions  | or SPAN 341 Topics in Latin American Literature  | 3)  |
| SPAN 317 Spanish for Translation   | 5. Language Courses (6 hours)  |     |
| SPAN 379 Special Topics  | SPAN 310 Southwest Spanish   | 3   |
| SPAN 395 Spanish Phonetics   | SPAN 315 Spanish for Business  | 3   |
| SPAN 396 Methods of Teaching Foreign Languages   | SPAN 316 Spanish for Health Professionals  | 3   |
|  | SPAN 317 Spanish for Translation   | 3   |
|  | SPAN 379 Special Topics  |     |
| 6. Literature Elective Courses (6 hours)   | 6. Literature Courses (6 hours)  |     |
| SPAN 400 Masterpieces of Spanish Literature  | SPAN 400 Masterpieces of Spanish Literature  | 3   |
| SPAN 401 Masterpieces of Latin American Literature   | SPAN 401 Masterpieces of Latin American Literature   | 3   |
| SPAN 411 Contemporary Spanish Literature   | SPAN 411 Contemporary Spanish Literature   | 3   |
| SPAN 412 Contemporary Latin American Literature  | SPAN 412 Contemporary Latin American Literature  | 3   |
| SPAN 413 La Literature Indigenista   | SPAN 413 La Literature Indigenista   | 3   |
| SPAN 414 Spanish American Thought  | SPAN 414 Spanish American Thought  | 3   |
| SPAN 415 Cervantes/ <i>El Quijote</i> : Novelas Ejemplares   | SPAN 415 Cervantes/ <i>El Quijote</i> : Novelas Ejemplares   | 3   |
| SPAN 416 Novela de la Revolucion Mexicana  | SPAN 416 Novela de la Revolucion Mexicana  | 3   |
| SPAN 419 Golden Age Drama  | SPAN 419 Golden Age Drama  | 3   |
| SPAN 423 Modern Hispanic Short Story   | SPAN 423 Modern Hispanic Short Story   | 3   |
| SPAN 425 Hispanic Poetry   | SPAN 425 Hispanic Poetry   | 3   |
| SPAN 479 Special Topics in Literature  | SPAN 479 Special Topics in Literature  | 1-6 |
| 7. Language/Literature Electives (3 additional hours from above)   | 7. Language/Literature Electives (3 additional hours from above)   |     |
| 8. Successful completion of the Senior Comprehensive Examination (SCE).  | 8. Successful completion of the Senior Comprehensive Examination (SCE).  |     |
| 9. Successful completion of the Oral Proficiency Interview (OPI) in Spanish at ACTFL level advanced high.  | 9. 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 the ASC Language Faculty to assess the effectiveness of their program in four areas: | NOTE: Completion of the SCE and OPI are instruments used by the ASC Language Faculty to assess the effectiveness of their program in four areas: |     |
| 1. Oral performance in speaking, understanding, description, and oral narration;   | 1. Oral performance in speaking, understanding, description, and oral narration;   |     |
| 2. Writing (Grammar);  | 2. Writing (Grammar);  |     |
| 3. Hispanic culture and literature appreciation;   | 3. Hispanic culture and literature appreciation;   |     |
| 4. Teaching methodology.   | 4. Teaching methodology.   |     |

### Spanish/Secondary Teacher Licensure

1. Completion of the general education requirements for the Bachelor of Arts degree plus the secondary teacher licensure requirements of the Department of Teacher Education.
2. Core Courses (12 hours)
 

SPAN 313 Conversation and Composition	3
SPAN 350 Advanced Grammar & Composition	3
SPAN 395 Spanish Phonetics	3
SPAN 396 Methods of Teaching Foreign Languages	3
3. Civilization and Culture Courses (3 hours)

### Spanish Minor

A minor (7 courses) is available in consultation with any Spanish faculty member.

### Assessment

All students with majors in the Department of History, Government, and Philosophy are required to complete the senior assessment procedures. The results of these procedures are used to evaluate and improve the effectiveness of the programs within the unique role and mission of Adams State College.

## Department of Human Performance and Physical Education (HPPE)

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

It is the mission of the Department of Human Performance and Physical Education to provide skilled leadership and proper utilization of facilities and equipment in order to produce qualified physical education teachers, athletic coaches, and fitness specialists. The program in HPPE is designed to help students gain an understanding of the discipline. This will enable them to be professionally comfortable delivering information and making appropriate decisions regarding the manner of the delivery, as well as content, scope, and sequence. In addition, students will gain an appreciation for the value of promoting healthy, active lifestyles.

The HPPE K-12 teaching emphasis is designed for students who desire to teach physical education. Students who pursue this degree must also gain admittance to the Teacher Education Preparation Program during their sophomore year. Please refer to the undergraduate teacher education section of this catalog for more information.

The HPPE Exercise Science and Sport Administration option is intended for individuals seeking employment in the fitness and sport industry or to eventually enroll in graduate or professional school. The major prepares an individual for the following vocational and educational opportunities:

- Corporate health fitness management
- Commercial sport/exercise management (health clubs, fitness centers)
- Work-site health promotions
- Industrial sports management (sporting goods industry)
- Educational athletic administration (athletic director, sport business manager)
- Advanced degree programs in physical education and exercise science
- Personal health and fitness training

A sport psychology major is available and is administered through the Department of Psychology and the Department of HPPE. This major combines courses in HPPE and psychology. Please refer to the psychology section of this catalog for information.

## Faculty

A. Laker, Chair, B. Block, T. Hepler, P. Johnson, T. Robinson, J. Storm.

## Degree Programs

### Bachelor of Arts: Human Performance and Physical Education (HPPE) Major

with emphases in:

- K-12 Physical Education Teaching Emphasis
- Exercise Science and Sport Administration

### Minors:

- Coaching
- HPPE
- Sports Studies

### Bachelor of Arts Degree Requirements Human Performance and Physical Education (HPPE)

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. Completion of the following 24 hours of core courses:
 

HPPE 100 Foundations of Physical Education	2
HPPE 120 Concepts in Wellness	2
HPPE 247 First Aid, CPR, and AED Training	2
HPPE 329 Exercise Physiology	3
HPPE 340 Kinesiology	3
HPPE 341 Human Motor Development	3
HPPE 448 Adapted Physical Education	3
HPPE 450 Senior Seminar in PE	2
BIOL 112 Human Anatomy	4
<b>TOTAL</b>	<b>24</b>
3. HPPE majors are required to complete at least one emphasis from the following:

### K-12 Physical Education Teaching Emphasis

HPPE 105 Beginning Swimming	1
HPPE 130 Teaching Individual/Dual Activities	3
HPPE 230 Teaching Team Activities	3
HPPE 260 Tests & Measurements in Physical Ed	3
HPPE 310 Dance Fundamentals K-12	2
HPPE 311 Methods of Teaching Health Education	3
HPPE 315 Physical Education in Elementary School	3
HPPE 317 Physical Education in Secondary School	3
HPPE 318 Field-Based Physical Education Lab	1
HPPE 369 Motor Learning and Control	3
ED 200 Perspectives in Teaching & Learning	3
ED 220 The Exceptional Learner	3
ED 416 Classroom Instruction & Management – Sec/K-12	2
ED 426 Educational Practices & Assessment – Sec/K-12	2
ED 429 Content Area Reading	2
ED 436L Field Experience Lab-Secondary/K-12	3
ED 455 Student Teaching K-12	15
<b>TOTAL</b>	<b>55</b>

## Exercise Science and Sport Administration

### Emphasis —

#### A. Completion of emphasis courses (23 hours):

HPPE 209 Care and Prevention of Athletic Injuries	2
HPPE 301 Sport and Fitness Nutrition	3
HPPE 314 Health Promotion	3
HPPE 327 Tech. of Coaching Strength/ Conditioning	3
HPPE 422 Exercise Evaluation/Fitness Mgmt.	3
HPPE 436 Sport and Exercise Psychology	3
HPPE 440 Organization/Administration of PE	3
HPPE 485 Practicum in Sport/Exercise Management	3

#### B. Completion of 15 hours from either the business or the advanced degree track.

##### Business track (15 hours required) —

BUS 207 Principles of Accounting I	3
BUS 304 Principles of Marketing	3
BUS 345 Advertising	3
BUS 361 Principles of Management	3
BUS 362 Human Resource Management	3
BUS 365 Small Business Management	3
BUS 385 Sports Marketing	3
CSCI 100 Essentials of Information Technology	3
HIST 350 History of Sport in America	3

##### Advanced degree track (15 hours required)\* —

*BIOL 205 Human Anatomy and Physiology	4
*BIOL 206 Human Anatomy and Physiology	4
CHEM 111 Introductory Chemistry GT-SCI	4
CHEM 111L Introductory Chemistry Lab	1
CHEM 112 Intro Organic/Biological Chemistry	4
CHEM 112L Intro Organic/Biol Chem Lab	1
CHEM 131 General Chemistry	4
CHEM 131L General Chemistry Lab	1
CHEM 132 General Chemistry	4
CHEM 132L General Chemistry Lab	1
MATH 106 College Algebra	3
MATH 107 Trigonometry & Analytic Geometry	3
PHYS 225 College Physics I and PHYS 225L College Physics I Lab	5
PHYS 226 College Physics II and PHYS 226L College Physics and II Lab	5

\*BIOL 205 and BIOL 206 may be used to substitute for BIOL 112 in the core.

TOTAL 38

### Writing Assessment Policy

All students majoring in HPPE will undergo an initial assessment of their writing during the semester in which they are enrolled in HPPE 100. For further information, consult with the department chair.

### 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:

#### Core Curriculum

HPPE 209 Care/Prevention of Athletic Injuries	2
HPPE 247 First Aid, CPR, and AED Training	2
HPPE 301 Sport and Fitness Nutrition	3
HPPE 327 Tech of Coaching Strength/ Conditioning	3
HPPE 350 Methods of Coaching	3
HPPE 436 Sport and Exercise Psychology	3
HPPE 480 Coaching Practicum	3
TOTAL HOURS IN MINOR	19

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 a 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

This minor will examine sport from a socio-cultural perspective. This will necessitate the use of social science as the analytical vehicle applied to sport. Sport has long been a major part of our culture and of many other cultures. Students will be required to think critically about the nature of the sport experience and its meaning within a variety of contexts and to a variety of consumers. This section of our national economy is continuing to grow because of an increasing interest in sport in all its guises from fitness activities that promote health to professional sport and media representations of sport. Graduates with this minor will be prepared to seek employment in sport management, sport broadcasting and journalism, sport business, sport retail and related sport travel industry. There will be the opportunity for further graduate study in sport management, recreation management, anthropology and sociology to name but a few. This would make a good minor to pair with the major in Sport Psychology.

A minor in sports studies consists of the following:

Required core (5 hours required)	
HPPE 100 Foundations of Physical Education	2
HPPE 487 Sports Studies Practicum	3

Electives to complete minor (13 hours required)	
BUS 385 Sports Marketing	3
HIST 350 History of Sport in America	3
HPPE 249 Sports Writing and Statistics	1 to 2
HPPE 350 Methods of Coaching	3
HPPE 436 Sport and Exercise Psychology	3
HPPE 438 Social Aspects of Sport and Physical Education	3
HPPE 440 Organization and Administration of Physical Education	3
<b>TOTAL HOURS IN MINOR</b>	<b>18</b>

## Department of Music

[music.adams.edu](http://music.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 College is an accredited institutional member of the National Association of Schools of Music. The Department of Music offers a Bachelor of Arts degree in music with emphases in liberal arts, music performance, or music composition. Students in any area of emphasis should have the preparation and background necessary to succeed in their chosen fields.

### Faculty

Doyle, Keitges, Lipke, Schildt, VanValkenburg, Wagstrom.

### Degree Programs

#### Bachelor of Arts: Music

with emphases available in:

- Liberal Arts
- Music Business (submitted for plan approval)
- Music Composition
- Music Performance

#### Bachelor of Arts: Music Education

#### Music Education K-12 Teacher Licensure

### Bachelor of Arts Degree Requirements

#### 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 are required to reaudition for admittance into the Department of Music and take a theory placement exam.

### Music Education with K-12 Choral or K-12 Instrumental Concentration

1. 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.

2. Completion of the following required courses in music:

MUS 000 Recital Attendance (7 semesters)	0
MUS 103 Introduction 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 Music Theory & Counterpoint	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 & 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 Elementary Music Methods	3
MUS 422 Secondary Music Methods	3

3. Completion of ONE of the following areas of specialization:

**Choral —**

MUS 226 Languages for Singing	3
MUS 247 Concert Choir (or approved upper-division large ensemble)	7
MUS 423 Choral Literature & Methods	3
MUS 460 Advanced Choral Conducting	2

**Instrumental —**

(MUS 245 Band or MUS 250 Orchestra or approved upper-division large ensemble)	7)
MUS 321 Voice Methods	1
MUS 424 Instrumental Literature and Methods	3
MUS 461 Advanced Instrumental Conducting	2
MUS 486 Marching Band Techniques	2
TOTAL	62

4. Completion of upper-division jury exam and completion of piano proficiency exam prior to student teaching.

5. Completion of department senior assessment procedures.

**Major in Music with an Emphasis in Performance**

1. Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.

2. Completion of the following required courses in music:

MUS 000 Recital Attendance (7 semesters)	0
MUS 103 Introduction 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, MUS 247 Concert Choir or MUS 250 Orchestra (7 semesters of the same large ensemble)	7
MUS 304 Advanced Music Theory and Counterpoint	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 440 Applied Music	2
MUS 441 Applied Music	2
MUS 445 Senior Recital	2

3. Completion of ONE of the following areas of concentration:

**Piano —**

MUS 428 Piano Literature & Pedagogy	3
MUS 364 Accompanying Practicum I	2
MUS 365 Accompanying Practicum II	2
MUS 449 Chamber Ensemble (2 semesters)	2
MUS XXX Upper-division music electives	3

**Voice —**

MUS 429 Voice Literature & Pedagogy	3
(MUS 425 Opera Literature 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

**Instrumental —**

MUS 427 Instrumental Literature & Pedagogy	3
MUS 449 Chamber Ensemble (4 semesters)	4
MUS XXX Upper-division music electives	5

4. Completion of upper-division jury exam and completion of piano proficiency exam.

5. Completion of department senior assessment procedures.

## Major in Music with an Emphasis in Liberal Arts

1. Completion of the general education requirements for the Bachelor of Arts degree which must include MUS 100.
2. Completion of the following required courses in music:
 

MUS 000 Recital Attendance (7 semesters)	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, MUS 247 Concert Choir or MUS 250 Orchestra (7 semesters of the same large ensemble)	7
MUS 304 Advanced Music Theory and Counterpoint	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 360 Conducting Techniques	2
MUS XXX Upper-division music electives	3
3. Completion of upper-division jury exam and completion of piano proficiency exam.
4. Completion of a minor of at least 18 semester hours outside the Music Department or 18 elective hours within the Music Department.
5. Completion of department senior assessment procedures.

## Major in Music with an Emphasis in Music Business

1. Completion of the general education requirements for the Bachelor of Arts degree which must include MUS 100.
2. Completion of the following required courses in music:
 

MUS 000 Recital Attendance (7 semesters)	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, MUS 247 Concert Choir<br>or MUS 250 Orchestra (7 semesters of the<br>same large ensemble) | 7 |
| MUS 304 Advanced Music Theory & Counterpoint  | 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 360 Conducting Techniques   | 2 |
| MUS 375 Computer Music  | 3 |
| MUS 376 Topics in Music Business  | 3 |
| MUS 377 Music Business Internship   | 3 |
3. Completion of upper-division jury exam and completion of piano proficiency exam.
  4. Completion of the following business courses (18 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
BUS 379 Entrepreneurship	3
  5. 42 credit hours of 300- and 400-level courses required. 120 total hours minimum.

## Major in Music with an Emphasis in Music Composition

1. Completion of the general education requirements for the Bachelor of Arts degree, which must include MUS 100.
2. Completion of the following music courses:
 

MUS 000 Recital Attendance (7 semesters)	0
MUS 103 Introduction 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, MUS 247 Concert Choir or MUS 250 Orchestra (7 semesters of the same large ensemble)	7
MUS 304 Advanced Music Theory & Counterpoint	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 & Analysis	2
MUS 340 Applied Music	2
MUS 360 Conducting Techniques	2
MUS XXX Upper-division music electives	
3. Completion of upper-division jury exam
4. Completion of piano proficiency exam



5. Completion of 18 credits of the following:
- |   |    |
|---|----|
| MUS 242, 243, 342, 343 Applied Composition                    | 8  |
| MUS 375 Computer Music  | 3  |
| MUS 444 Senior Project in Composition                         | 2  |
| MUS 445 Senior Recital in Composition                         | 2  |
| (MUS XXX Upper-division music theory or composition electives | 3) |
- 42 credit hours of 300- and 400-level courses required. 120 total hours minimum.

### Additional Requirements for Music Majors

Departmental policies and regulations affecting music majors and minors are published annually in the Department of Music Handbook for Music Students. Included are requirements for recital attendance and ensemble participation, as well as departmental assessment procedures such as proficiency exams, admission to upper-division study, and admission to teacher certification/licensure programs. The Department of Music Handbook for Music Students is available from the department office for each music major and minor. Please see the Course Specific Fees section for information on applied music fees.

### Minor in Music

A minor in music is available under any bachelor's degree program at the college 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 reaudit for admittance into the Department of Music and take a theory placement exam.

Course requirements are as follows:

MUS 000 Recital Attendance (two semesters)	0
MUS 100 Introduction to Music Literature	3
MUS 103 Introduction 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 (two semesters in the same applied area)	2
MUS 245 Band, MUS 247 Concert Choir or MUS 250 Orchestra (two semesters of the same large ensemble)	2

## Department of Nursing

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

Adams State College is pleased to announce the option of two nursing programs for students in the San Luis Valley and beyond. The first option is the R.N. (Registered Nurse) to B.S.N. degree completion program. This is nationally accredited by CCNE (Commission on Collegiate Nursing Education). The new four-year B.S.N. degree program recently approved by the Colorado State Board of Nursing opened its doors in January 2010. Upon completion of the four-year Adams State College program, new graduates are eligible to take the R.N. license exam.

### Faculty

Bennett, Elliott (educational leave), Jojola, Melvin, Regan, Squires

## Bachelor of Science in Nursing Four-Year Degree Program

### Admissions 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.

#### Academic Requirements:

- Current admission/enrollment, in good standing, at Adams State College.
- Completion of 30 hours of required general education requirements for the B.S.N. program prior to application to program
- Minimum cumulative and semester GPA of 3.00 upon admission and maintenance of a 2.5 GPA throughout remainder of B.S.N. program

#### B.S.N. Application Packet

Submit the following to ASC Nursing Department, 208 Edgemont Blvd., Alamosa, CO 81102:

1. The B.S.N. Admission Application
2. A 500-word essay addressing honesty, initiative and empathy.
3. Two letters of recommendation (one from a professor and the other from a person in an authority position). Letters from relatives are unacceptable.
4. A completed background check including a drug screen and fingerprinting. Students are required to submit to a random drug screening at their own expense. Fingerprints are required prior to admission and in the second semesters of both junior and senior years. Contact the Nursing Department for background check forms.

5. Proof of current CPR certification
6. Proof of nursing assistant course completion or NURS 179-Basic Nursing Skills.
7. Proof of malpractice insurance by May 15 following first semester of nursing classes. Required throughout program enrollment.
8. Demonstration of Technology Proficiency (Technology Proficiency Exam or CSCI 100 or BUS 120 with a grade of C or better)

In addition to the admission application, please schedule an advising appointment with the Department of Nursing by calling 719-587-8171.

### Deadlines for application

Complete application packets are due by August 1 prior to the sophomore year. Students will receive notification of admission status by November 1 of sophomore year. Late applications will be considered only on a space available basis.

Admission materials and guidelines are available online at [nursing.adams.edu](http://nursing.adams.edu).

## B.S.N. Degree Requirements

1. Completion of the following supporting courses/general education (as indicated):

### Communication (6 credit hours required)

- |                               |   |
|-------------------------------|---|
| ENG 101 Communication Arts I  | 3 |
| ENG 102 Communication Arts II | 3 |

### Social & Behavioral Sciences (9 credit hours required)

- |  |   |
|--|---|
| PSYC 101 General Psychology              | 3 |
| PSYC 233 Lifespan Development for Nurses | 3 |
| SOC 201 The Sociological Imagination     | 3 |

### History Courses (3 credit hours required)

- |   |   |
|---|---|
| HGP 110 Development of Civilization       | 3 |
| HGP 111 Development of Civilization       | 3 |
| HIST 202 American History to 1865         | 3 |
| HIST 203 American History 1865 to present | 3 |

### Arts and Humanities (6 credits required)

- |  |   |
|--|---|
| AR 103 Art Appreciation                  | 3 |
| ENG 203 Major Themes in Literature       | 3 |
| MUS 100 Introduction to Music Literature | 3 |
| THTR 180 Introduction to Theatre         | 3 |

### Quantitative Thinking (7 credits required)

- |  |    |
|--|----|
| PSYC 211 Introduction to Statistics with Lab and (MATH 104 Finite Mathematics or MATH 106 College Algebra or MATH 120 Single Variable Calculus I | 4  |
|  | 3  |
|  | 3  |
|  | 5) |

### Science Foundations & Issues (19 credit hours required)

- |   |   |
|---|---|
| BIOL 125 Nutrition                      | 2 |
| BIOL 205 Anatomy & Physiology I         | 4 |
| BIOL 206 Anatomy & Physiology II        | 4 |
| BIOL 215 Micro for Non-majors           | 4 |
| CHEM 105 Intro to General, Organic, and | 4 |

- |  |   |
|--|---|
| Biological Chemistry   | 4 |
| CHEM 105L Intro to General, Organic, and Biological Chemistry Lab                  | 1 |
| 2. Completion of Required Nursing Courses  |   |
| NURS 200 Introduction to Nursing   | 3 |
| NURS 201 Pathophysiology   | 4 |
| NURS 202 Pharmacology  | 3 |
| NURS 203 Health Assessment   | 3 |
| NURS 204 Health Care Ethics  | 2 |
| NURS 300 Nursing Fundamentals  | 3 |
| NURS 300C Nursing Fundamentals Clinical  | 3 |
| NURS 302 Professional Practice   | 3 |
| NURS 303 Medical/Surgical Nursing I  | 3 |
| NURS 303C Medical/Surgical Nursing I Clinical                                      | 3 |
| NURS 304 Geriatric Nursing   | 3 |
| NURS 306 Medical/Surgical Nursing II   | 3 |
| NURS 306C Medical/Surgical Nursing II Clinical                                     | 3 |
| NURS 307 Nursing Research  | 3 |
| NURS 308 Nursing Management  | 3 |
| NURS 400 Obstetric Nursing   | 3 |
| NURS 400C Obstetric Nursing Clinical   | 2 |
| NURS 401 Pediatric Nursing   | 3 |
| NURS 401C Pediatric Nursing Clinical   | 2 |
| NURS 402 Psychiatric Nursing   | 3 |
| NURS 402C Psychiatric Nursing Clinical   | 2 |
| NURS 403 Rural/Community Health  | 4 |
| NURS 403C Rural/Community Health Clinical  | 3 |
| NURS 404 Service Learning Clinical   | 2 |
| NURS 405 Nursing Internship  | 5 |
| 3. Completion of Writing Assessment  |   |
| 4. Cumulative GPA of 2.5 must be maintained throughout B.S.N. program to graduate. |   |

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 Degree Completion Program

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 College.

## R.N. to B.S.N. Admission 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.

1. Apply online for admission to Adams State College and request all previously attended postsecondary institutions to submit official transcripts to ASC Admissions, 208 Edgemont Blvd., Alamosa, CO 81102.
2. Schedule an advising appointment with the Department of Nursing by calling 719-587-8171.
3. Submit the R.N. to B.S.N. application packet to the ASC Department of Nursing, 208 Edgemont Blvd., Alamosa, CO 81102 with the following:
  - The R.N. to B.S.N. Admission Application
  - A copy of R.N. license
  - A 500-word essay addressing honesty, initiative and empathy.
  - A completed background check including a drug screen and fingerprinting prior to admission. The Nursing Department has background check forms.
  - Proof of current CPR certification

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
1. Completion of the following supporting courses/general education (as indicated):

### Communication (6 credit hours required)

ENG 101 Communication Arts I	3
ENG 102 Communication Arts II	3

### Social & Behavioral Sciences (9 credit hours required)

PSYC 101 General Psychology	3
PSYC 233 Lifespan Development for Nurses	3
SOC 201 The Sociological Imagination	3

### History Courses (3 credit hours required)

HGP 110 Development of Civilization	3
HGP 111 Development of Civilization	3
HIST 202 American History to 1865	3
HIST 203 American History 1865 to present	3

### Arts and Humanities (6 credits required)

AR 103 Art Appreciation	3
ENG 203 Major Themes in Literature	3
MUS 100 Introduction to Music Literature	3
THTR 180 Introduction to Theatre	3

### Quantitative Thinking (7 credits required)

PSYC 211 Introduction to Statistics with Lab	4
and (MATH 104 Finite Mathematics	3
or MATH 106 College Algebra	3
or MATH 120 Single Variable Calculus I	5)

### Science Foundations & Issues (19 credits required)

BIOL 125 Nutrition	2
BIOL 205 Anatomy & Physiology I	4
BIOL 206 Anatomy & Physiology II	4
BIOL 215 Micro for Non-majors	4
CHEM 105 Intro to General, Organic, and Biological Chemistry	4
CHEM 105L Intro to General, Organic, and Biological Chemistry Lab	1

2. Completion of Required Nursing Courses (must be admitted to the nursing program):
 

NURS 301 Pharmacology	3
NURS 304 Geriatric Nursing	3
NURS 305 Pathophysiology	4
NURS 320 Health Care Ethics	2
NURS 330 Nursing Management	3
NURS 330L Nursing Management Clinical	3
NURS 360 Service Learning Clinical	2
NURS 410 Nursing Research	3
NURS 430 Health Assessment	3
NURS 440 Professional Practice	3
NURS 460 Rural/Community Health	4
NURS 470 Rural/Community Health Clinical	3
3. Completion of Technology Proficiency (Technology Proficiency Exam or CSCI 100 or BUS 120 with a grade of C or better)
4. Completion of Writing Assessment

## Department of Psychology

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

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.

### Faculty

Alvarez, Demski, Kelso, King, Mitchell

### Degree Programs

- Bachelor of Arts: Psychology
- Bachelor of Arts: Sport Psychology

### Bachelor of Arts Degree Requirements

#### Psychology Major

1. Completion of the general education requirements for the Bachelor of Arts degree.
2. Completion of the following required courses (at least 12 hours must be completed at ASC):
 

PSYC 204 Child Development	3
PSYC 205 Adolescent and Adult Development	3
PSYC 211 Introduction to Statistics with Lab	4
PSYC 245 Brain & 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
SUB-TOTAL	27

\*LS 225 Research Skills for the Behavioral Sciences is a pre/co-requisite for PSYC 355.

Six hours of electives from the following:

PSYC 410 Social Psychology	3
PSYC 416 Behavioral Neuroscience	3
PSYC 456 Theories of Learning	3
PSYC 458 Sensation & Perception	3
PSYC 468 History & Systems	3

and six hours of 3-credit, 300- to 400-level psychology electives

TOTAL PSYCHOLOGY MAJOR	39
------------------------	----
3. All psychology majors must complete the following major assessment plan prior to graduation:
  - a. Complete a major field examination.
  - b. 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.)
  - c. Participate in an exit interview with a committee of psychology faculty (arranged with advisor).

### Sport Psychology Major

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.

PSYC 205 Adolescent & Adult Development	3
PSYC 211 Introduction to Statistics with Lab	4
PSYC 245 Brain & Behavior	3
COUN 312 Introduction to Counseling	3
*PSYC 355 Research Methods in Psychology	4
PSYC 385 Cognitive & Behavior Modification	3
(PSYC 410 Social Psychology	3
or PSYC 465 Theories of Personality	3)
HPPE 100 Foundations of Physical Education	2
BIOL 112 Human Anatomy	4
HPPE 209 Care/Prevention of Athletic Injury	2
HPPE 329 Exercise Physiology	3
HPPE 340 Kinesiology	3
HPPE 341 Human Motor Development	3
(HPPE 327 Tech. in Coaching Strength/Cond	3
or HPPE 422 Exercise Eval & Fitness Manage	3)
HPPE 350 Methods of Coaching	3
HPPE 436 Sport & Exercise Psychology	3
HPPE 486 Sport Psychology Practicum	3
SUBTOTAL	52
*LS 225 Research Skills for the Behavioral Sciences is a pre/corequisite for PSYC 355.	
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 380 Health Psychology	3
(PSYC 410 Social Psychology	3
or PSYC 465 Theories of Personality	3)
PSYC 430 Abnormal Psychology	3
PSYC 458 Sensation & Perception	3
TOTAL SPORT PSYCHOLOGY MAJOR	58

### Minor in Psychology

PSYC 204 Child Development	3
PSYC 205 Adolescent and Adult Development	3
PSYC 211 Introduction to Statistics with Lab	4
PSYC 245 Brain & Behavior	3
and nine hours of 3-credit, 300- to 400-level psychology electives	
TOTAL PSYCHOLOGY MINOR	22

The minor is available with courses to be selected in consultation with an advisor from the Department of Psychology. A minimum of 22 hours is required, 9 hours of which must be completed at Adams State.

## Department of Sociology

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

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.

### Faculty

Brown, Stephanie Hilwig, Martin, Parks, Whitney, and Young

### Degree Programs

#### Bachelor of Arts in Sociology

Emphasis required in one of the following:

- Criminology
- Social Welfare

#### Bachelor of Arts Degree Requirements Sociology Major

1. Students must complete the general education requirements for the Bachelor of Arts degree.
2. Completion of SOC 201—The Sociological Imagination is a prerequisite for all other sociology courses.
3. All sociology majors must take the following 37 hours of core courses:

SOC 201 The Sociological Imagination	3
*SOC 245 Criminology	3
*SOC 251 Social Problems	3

SOC 311 Social Statistics	4
SOC 318 Race, Class, and Gender	3
SOC 365 Race, Culture and Ethnicity	3
SOC 395 Pre-Professional Seminar in Sociology	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 379/479 Special Topics in Sociology	(3)
SOC 419 Gender and Society	(3)
SOC 425 Environment and Society	(3)
SOC 444 Deviance and Control	(3)

\*LS 225—Research Skills for the Behavioral Sciences is a prerequisite/corequisite for SOC 245 and 251.

\*\*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.

4. Students choose either the Criminology or Social Welfare emphasis to complete the final 12 hours required for the 49-hour 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

#### Social Welfare Emphasis

SOC 352 Human Behavior and the Social Environment	3
SOC 370 Poverty and Social Inequality	3
SOC 470 Social Welfare Policy	3
SOC 493 Internship in Social Welfare	3

5. All sociology majors must meet the requirements of the Local Writing Assessment in Sociology.
6. All sociology majors must complete the following sociology assessment plan:
  - a. ETS Field Test in Sociology
  - b. Major Research Project in Sociological Research Methods
  - c. Internship Final Review

#### Minor in Sociology:

Minors (18 hours excluding SOC 201) are available through consultation with any sociology faculty member.

## Department of Undergraduate Teacher Education

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

### Undergraduate Programs

At Adams State College our programs for initial licensure prepare teacher education candidates who exhibit leadership, demonstrate professional competence, and facilitate learning for all students.

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 and accredited by the Teacher Education Accreditation Council (TEAC) to provide licensure and endorsement programs.

### Faculty

Alvarez, Byers-Kirsch, Christian, Gomez, Joyce, Judd, Ludwig, Stout, Trujillo.

## Teacher Education Degree Programs

Bachelor of Arts: Interdisciplinary Studies Major (with licensure and added endorsements)

### Teacher Licensure

The Department of Teacher Education at Adams State College provides preparation for three initial teaching licenses that are granted by the State of Colorado:

- Elementary Education
- Secondary Education
- K-12 (Art, Music, Physical Education)

### Elementary Added Endorsements

- Early Childhood Education
- Special Education Generalist

### Initial Licensure Areas:

#### Elementary Education

Students preparing to be elementary teachers complete an undergraduate degree (B.A.) in Interdisciplinary Studies with coursework and field experience in literacy and language, content methods, and educational practices. A minor or emphasis in an approved academic area is required (minor: mathematics, science, music, Spanish; emphasis areas: art, social studies, literacy, physical education).

A program of study preparing the student for initial licensure in elementary education with an endorsement in either Early Childhood Education or Special Education Generalist is also offered. These two endorsements require coursework, field hours, and student teaching in addition to that required for the initial elementary license.

#### Secondary Education

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.

#### K-12 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.

## Stages in the Program

The three 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.

Undergraduate students typically enter the 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.

## Stage I: Admission

### Application for Admission to Initial Licensure Programs

Submit to the Department of Teacher Education the completed admission application and accompanying documents that include:

- Belief statement
- Resume of experience working with children
- Two recommendation forms
- Signed degree/licensure plan completed with the Undergraduate Teacher Education Advisor

### Deadlines for application

Applications are accepted once during the spring and fall semesters. See calendar online at [teachered.adams.edu](http://teachered.adams.edu) for specific dates.

Admission materials, rubrics, and guidelines are available on the [teachered.adams.edu](http://teachered.adams.edu) Web site.

## Requirements for Admission

### Academic Prerequisites

- Current enrollment, in good standing, at Adams State College.
- 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:

- 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 College, 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. These documents are available on the teachered.adams.edu Web site. 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 ASC 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
- Completed all program coursework with a C or better.

Additional information can be found in the departmental *Handbook for Student Teaching and Field Experience*, located on the teachered.adams.edu Web site.

#### 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 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 found on the Colorado Department of Education (CDE) Web site <http://www.cde.state.co.us>. The candidate submits the CDE form, Application for a Colorado Initial Educator License, to the undergraduate office in the Department of Teacher Education. After the appropriate records are reviewed, this document is signed and returned to the candidate who completes the application and delivers it to the licensing unit

at the Colorado Department of Education. The student is responsible for all fees and costs.

#### Student Responsibility

As a student entering a program for professional preparation to become a licensed teacher in the State of Colorado, you are responsible for understanding and following the requirements, procedures, and policies in the most current Adams State College Undergraduate and Graduate Catalogues, the Initial Licensure Handbook, and additional program materials related to your specific licensure program, including your signed degree plan. If you have questions, or need clarification, contact the Department of Teacher Education. Failure to read and understand requirements for your program does not excuse you 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 College Undergraduate Catalog, which is accurate at the time of publication, takes precedence over other published ASC 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 Department of Teacher Education at Adams State College; 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 ASC 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 Professional and Ethical Behavior Checklist)
- 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.

## Course Requirements for Teacher Licensure Programs

### Interdisciplinary Studies Major with Elementary Education Licensure

Note: A student must be admitted to the Teacher Education Preparation Program prior to taking the professional education courses. Grade of C or better must be earned in each professional education course.

1. 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 in upper-division courses.
2. Prerequisite to Professional Core
 

ED 200 Perspectives in Teaching & Learning	3
ED 220 The Exceptional Learner	3
ED 230 Literacy & Language Development I	3
PSYC 204 Child Development	3
3. Professional Core

(Must be admitted to Teacher Education Preparation Program)

- |   |   |
|---|---|
| ED 300 Literacy & Language Development II | 3 |
| ED 328 Methods of Teaching Math           | 3 |
| ED 345 Educational Psychology             | 3 |
4. Senior Block (courses taken concurrently)
 

ED 310 Methods of Teaching Science	3
ED 404 Literacy & Language Development III	2
ED 414 Classroom Instruction & Management: Elementary	2
ED 424 Educational Practices & Assessment: Elementary	2
ED 434L Field Experience Lab: Elementary	3
  5. Student Teaching
 

ED 435 Student Teaching: Elementary	15
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  6. Interdisciplinary Studies Major Courses  
NOTE: Courses completed to meet any other degree or general education requirements cannot be used to fulfill the requirements listed below:
 

Academic Core —	
(HIST 202 American History to 1865	3
or HIST 203 American History 1865 to Present	3)
HPPE 300 Promoting Healthy/Safe Environment	3
GEOG 300 World Geography	3
Choose One Course —	
AR 103 Art Appreciation	3
ENG 203 Major Themes in Lit	3
MUS 100 Intro to Music	3
THTR 180 Introduction to Theatre	3
Choose One Course —	
MATH XXX (above Gen Ed)	3
PSYC 211 Introduction to Statistics with Lab	4
  7. Content Area Emphasis (15-21 credits)

Select an approved content area emphasis with your advisor and complete the corresponding curriculum.

### Interdisciplinary Studies Major with Elementary Education Licensure with Early Childhood Education Endorsement

1. Admission to the Teacher Education Preparation Program.  
Professionals who hold an active Colorado teaching license and who meet the requirements for admission to the college will be granted admission to the added endorsement program in early childhood education.
2. Completion of all requirements for Elementary Education Licensure.
3. Completion of Prerequisite to Professional Core Courses
 

ECE 110 Introduction to ECE	3
ECE 112 Practicum in ECE	2
ECE 115 Health, Safety, Nutrition	3
ECE 220 Infants & Toddlers: Dev Theory & Prac	4
ED 230 Literacy & Language Development I	3

4. Completion of Professional Core Courses (Must be admitted to Teacher Education Preparation Program to enroll)	
ECE 340 Understanding & Working with Diverse Families and Communities	3
ECE 424 Curriculum & Instruction in ECE	4
ECE 425 Student Teaching Early Childhood	8

**Interdisciplinary Studies Major with  
Elementary Education Licensure with  
Special Education Generalist Endorsement**

1. Admission to the Teacher Education Preparation Program. Professionals who hold an active Colorado teaching license and meet requirements for admission to ASC will be granted admission to the added endorsement program in early childhood education.	
2. Completion of Prerequisite to Professional Core Courses	
ED 200 Perspectives in Teaching and Learning	3
ED 230 Literacy & Language Development I	3
PSYC 204 Child Development	3
3. Completion of Professional Core Courses (Must be admitted to Teacher Education Preparation Program)	
ED 300 Literacy & Language Development II	3
ED 328 Methods of Teaching Math	3
ED 345 Educational Psychology	3
4. Senior Block (courses taken concurrently)	
ED 310 Methods of Teaching Science	3
ED 404 Literacy & Language Development III	2
ED 414 Classroom Instruction & Management: Elementary	2
ED 424 Educational Practices & Assessment: Elementary	2
ED 434L Field Experience Lab: Elementary	3
5. Student Teaching	
ED 435 Student Teaching: Elementary	15
6. Content Area Emphasis: Special Education	
SPED 341 SPED for Culturally/Linguistic Diverse Students	2
SPED 342 Identification/Teaching SPED Students	3
SPED 343 Behavioral Management in Instruction	3
SPED 344 Domains of Learning	3
SPED 440 Assessment in Special Education	3
SPED 463 Special Education Law	3
SPED 493 Current Trends & Issues in Special Education	3
Choose 12 hours in licensure content area	12
SPED 495 Student Teaching: Secondary Special Education	3
<b>TOTAL</b>	<b>35</b>

**Secondary Education Licensure Program  
(33 credits for licensure)**

1. Prerequisite to Professional Core	
ED 200 Perspectives in Teaching & Learning	3
ED 220 The Exceptional Learner	3
2. Professional Core (Must be admitted to Teacher Education Preparation Program)	
*ED 416 Classroom Instruction & Management: Sec/K-12	2
*ED 426 Educational Practices & Assessment: Sec/K-12	2
*ED 429 Content Area Reading	2
*ED 436L Field Experience Lab: Secondary/K-12	3
*Content Methods in appropriate subject (*These courses must be taken concurrently)	3
ED 445 Student-Teaching-Secondary	15

**K-12 Licensure Program**

1. Prerequisite to Professional Core	
ED 200 Perspectives in Teaching & Learning	3
ED 220 The Exceptional Learner	3
2. Professional Core (Must be admitted to Teacher Education Preparation Program to enroll)	
*ED 416 Classroom Instruction & Management: Sec/K-12	2
*ED 426 Educational Practices & Assessment: Sec/K-12	2
*ED 429 Content Area Reading	2
*ED 436L Field Experience Lab: Secondary/K-12	3
*Content Methods in appropriate subject (*These courses must be taken concurrently)	3-9
ED 455 Student Teaching K-12	15

**Post Baccalaureate Licensure (pending)  
Elementary Education**

Note: This program is for students who already have a B.A. or B.S. degree.

1. Prerequisite courses:	
ED 200 Perspectives in Teaching & Learning	3
PSYC 204: Child Development	3
SPED 342: Teaching the SPED Student	3
2. Summer semester	
ED 230 Literacy & Language Development I	3
ED 310 Methods/Teaching Science - Elementary	3
ED 345 Educational Psychology	3
3. Fall semester	
ED 302 Literacy & Language Development II	2
ED 330 Methods of Teaching Math	3
ED 404 Literacy & Language Development III	2
ED 414 Classroom Instruction & Mgmt: Elem.	2
ED 424 Educational Practices & Assessment: Elementary	2
ED 478L: Field Experience Lab - Elementary	5

4. Spring semester  
 ED 435 Student Teaching: Elementary 15  
 ED 490 Senior Seminar 2  
 Total Hours: 41

NOTE: Students must pass the PLACE or Praxis II content area exam before student teaching semester; scores must be received by the ASC Department of Teacher Education no later than the seventh week of the fall semester in order to be placed for student teaching in the spring.

### Post Baccalaureate Licensure (pending) Elementary Education

Note: This program is for students who already have a B.A. or B.S. degree.

1. Prerequisite courses:
  - ED 200 Perspectives in Teaching & Learning 3
  - PSYC 204: Child Development 3
  - SPED 342: Teaching the SPED Student 3
2. Summer semester
  - ED 230 Literacy & Language Development I 3
  - ED 310 Methods/Teaching Science - Elementary 3
  - ED 345 Educational Psychology 3
3. Fall semester
  - ED 302 Literacy & Language Development II 2
  - ED 330 Methods of Teaching Math 3
  - ED 404 Literacy & Language Development III 2
  - ED 414 Classroom Instruction & Mgmt: Elem. 2
  - ED 424 Educational Practices & Assessment: Elementary 2
  - ED 478L: Field Experience Lab - Elementary 5
4. Spring semester
  - ED 435 Student Teaching: Elementary 15
  - ED 490 Senior Seminar 2

Total Hours: 41

NOTE: Students must pass the PLACE or Praxis II content area exam before student teaching semester; scores must be received by the ASC Department of Teacher Education no later than the seventh week of the fall semester in order to be placed for student teaching in the spring.

## Women's Studies Minor

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 (chair of the Department of ETC) may be substituted.

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 Introduction to Women's Studies

### Electives —

- AR 367 Women in Art History 3
- ENG 385 Women and Literature 3
- GOVT 393 Women, Politics, and Culture 3
- HIST 320 History of American Women 3
- PSYC 360 Psychology of Gender 3
- SOC 318 Race, Class and Gender 3
- SOC 419 Gender Roles in Society 3
- THTR 255 Women and Drama 3
- \*WS 201 Introduction to Women's Studies 3

\*Required of all minors, who are advised to take the course early in their studies.

## Course Offerings

[portal.adams.edu](http://portal.adams.edu) (click on Course Catalog)

### Academic Achievement Strategies

#### AAA 101 — Academic Achievement Strategies

Credit Hours: 3.00

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.

Prerequisites: none

### Anthropology

#### ANTH 179 — Special Topics

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

#### ANTH 192 — Workshops

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

#### ANTH 199 — Individual Studies

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

#### ANTH 201 — Introduction to Anthropology

Credit Hours: 3.00

The course will examine the field of anthropology. The concept of culture will be introduced as an over arching 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.

Prerequisites: none

#### ANTH 205 — Physical Anthropology

Credit Hours: 3.00

The course will examine physical anthropology as a sub-discipline of anthropology. The goal is to understand how the physical realities of being human affect 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.

Prerequisites: none

#### ANTH 234 — Southwestern Archeology

Credit Hours: 3.00

Development of tribes of the Gran Chichimeca northern Mexico and southwestern United States.

Prerequisites: none

#### ANTH 279 — Special Topics

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

#### ANTH 285 — Folklore and Women

Credit Hours: 3.00

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.

Prerequisites: none

#### ANTH 292 — Workshop

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

#### ANTH 299 — Individual Studies

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

#### ANTH 300 — Archaeology

Credit Hours: 3.00

This course will provide an overview of archaeological method and theory with a particular emphasis on American archaeology and will provide a general survey of prehistory with an emphasis on the western United States.

Prerequisites: none

**ANTH 310 — Anthropological Linguistics**

Credit Hours: 3.00

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).  
Prerequisites: none

**ANTH 320 — Southwestern Indians**

Credit Hours: 3.00

Origin, social organization, and relations of southwestern Pueblo and non-Pueblo tribes.  
Prerequisites: none

**ANTH 339 — Field School in Archaeology**

Credit Hours: 6.00

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.  
Prerequisites: none

**ANTH 349 — Internship in Museums**

Credit Hours: 6.00

This course provides the students with practical experience in the day-to-day operation and organizational and financial challenges of a small museum.  
Prerequisites: none

**ANTH 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.  
Prerequisites: none

**ANTH 392 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

**ANTH 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department head.  
Prerequisites: none

**ANTH 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.  
Prerequisites: none

**ANTH 492 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

**ANTH 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.  
Prerequisites: none

## Art

**AR 103 — Art Appreciation GT-AH1**

Credit Hours: 3.00

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.  
Prerequisites: none

**AR 105 — Intro to Art Criticism**

Credit Hours: 3.00

A course that introduces students to art criticism. Exercises in reading about art, observing art, talking and writing about art, and talking to artists will develop the student's ability to articulate and critique a wide variety of artworks.  
Prerequisites: none

**AR 179 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.  
Prerequisites: none

**AR 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

**AR 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**AR 206 — Design 2D**

Credit Hours: 3.00

A foundation studio course for two-dimensional design fundamentals. This course has a course specific fee to cover the costs of some materials.

Prerequisites: none

**AR 207 — Design/3D**

Credit Hours: 3.00

An introduction to three-dimensional design concepts and sculptural form. This course has a course specific fee to cover the costs of some materials.

Prerequisites: none

**AR 208 — Drawing**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 209 — Beginning Drawing II**

Credit Hours: 3.00

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 T

**AR 216 — Introduction to Art Education**

Credit Hours: 3.00

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: Background check completed with a score of 1

**AR 220 — Painting**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 240 — Fiber**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 250 — Sculpture**

Credit Hours: 3.00

Introduction to the basic 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: none

**AR 260 — Beginning Printmaking I**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 261 — Beginning Printmaking II**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 270 — Ceramics**

Credit Hours: 3.00

Basic techniques of studio ceramics, beginning hand building techniques and throwing, materials, slips, oxides, glazing, and firing. This course has a course specific fee to cover the costs of some materials.

Prerequisites: none

**AR 279 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**AR 280 — Beginning B&W Photography**

Credit Hours: 3.00

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. This course has a course specific fee to cover the costs of some materials.

Prerequisites: none

**AR 281 — Beginning Digital Photography**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 290 — Metals and Jewelry**

Credit Hours: 3.00

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.

Prerequisites: none

**AR 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**AR 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/

study into problems of special interest in the field.

By faculty permission and approval of the department chair.

Prerequisites: none

**AR 301 — Typography**

Credit Hours: 3.00

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 T

**AR 302 — Graphic Communications**

Credit Hours: 3.00

A study of the techniques of computer graphic design, intended for non-art majors, concentrating on information design. Students learn InDesign software and work on design projects such as brochures and newsletters. Students also study social and political issues relating to graphic design. This course has a course specific fee to cover the costs of some materials.

Prerequisites: none

**AR 306 — Design Problems**

Credit Hours: 3.00

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 T

**AR 308 — Intermediate Drawing I**

Credit Hours: 3.00

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 T

**AR 309 — Intermediate Drawing II**

Credit Hours: 3.00

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 T

**AR 310 — Graphic Design I**

Credit Hours: 3.00

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 302 minimum grade C- or T or AR 306 minimum grade C- or T

### **AR 311 — Graphic Design II**

Credit Hours: 3.00

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 T

### **AR 320 — Intermediate Painting I**

Credit Hours: 3.00

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- or T

### **AR 321 — Intermediate Painting II**

Credit Hours: 3.00

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 T

### **AR 334 — Elem School Art Ed Methods**

Credit Hours: 3.00

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 check must be completed before a student can do any field experience hours. Students must be enrolled in the Teacher Education Preparation Program before they can enroll in the Methods course. Twenty hours of classroom observations required for this class. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 216 minimum grade C- or T and background check completed with a score of 1 and admitted to Teacher Education Preparation Program

### **AR 335 — Sec School Art Ed Methods**

Credit Hours: 3.00

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 Preparation Program before they can enroll in the Methods course.

Twenty hours of classroom observation required for this class. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 334 minimum grade C- or T; and ED 200 minimum grade C- or T and ED 220 minimum grade C- or T and background check completed with a score of 1 and admitted to Teacher Education Preparation Program

### **AR 340 — Intermediate Fiber I**

Credit Hours: 3.00

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 T

### **AR 341 — Intermediate Fiber II**

Credit Hours: 3.00

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 T

### **AR 350 — Intermediate Sculpture I**

Credit Hours: 3.00

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 T



### **AR 351 — Intermediate Sculpture II**

Credit Hours: 3.00

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 T

### **AR 360 — Intermediate Printmaking**

Credit Hours: 3.00

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 T or AR 261 minimum grade C- or T

### **AR 364 — History of Art**

Credit Hours: 3.00

Survey of architecture, painting, sculpture, and other visual art forms from prehistoric times through the middle ages.

Prerequisites: none

### **AR 365 — History of Art**

Credit Hours: 3.00

Survey of architecture, painting, sculpture, and other visual art forms of Early Renaissance to the 19th Century and of the East.

Prerequisites: none

### **AR 366 — History of Art**

Credit Hours: 3.00

Survey of architecture, painting, sculpture, and other visual art forms from the 19th century to the present.

Prerequisites: none

### **AR 367 — Women Artists in Art History**

Credit Hours: 3.00

A survey of women artists in the history of art from antiquity to the present.

Prerequisites: none

### **AR 370 — Intermediate Ceramics I**

Credit Hours: 3.00

Problems in utilitarian and non-utilitarian ceramic forms, ceramic materials, glaze composition, and combined techniques in clay. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 270 minimum grade C- or T

### **AR 371 — Intermediate Ceramics II**

Credit Hours: 3.00

Problems in utilitarian and non-utilitarian

ceramic forms, ceramic materials, glaze composition, and combined techniques in clay. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 370 minimum grade C- or T

### **AR 379 — Topics in Art**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **AR 380 — Intermediate Photography**

Credit Hours: 3.00

Continued exploration of photography as an art medium using traditional darkroom techniques. Emphasis on concepts 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 T

### **AR 381 — Intermediate Digital Photography**

Credit Hours: 3.00

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 concepts and creative expression. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 281 minimum grade C- or T

### **AR 390 — Intermediate Metals and Jewelry I**

Credit Hours: 3.00

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 T

### **AR 391 — Intermediate Metals and Jewelry II**

Credit Hours: 3.00

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 T

### **AR 392 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**AR 397 — B.F.A. Entrance Portfolio**

Credit Hours: 0.00

The Bachelor of Fine Arts Entrance Portfolio serves as the entrance requirement for the B.F.A. Thesis. The portfolio consists of artwork in the areas of emphasis and a written artist statement contextualizing the work. Students must pass the Bachelor of Fine Arts Entrance Portfolio in order to enroll in the B.F.A. Thesis. Students who fail the portfolio requirement may re-submit the following year or complete the B.A. in Art degree. Portfolios will be reviewed at the end of the spring semester for consideration of thesis work during the spring semester of the following year. Prerequisites: Completion of all foundation courses (AR 206, 207, 208, 209) with a minimum grade of C- or T and at least 9 emphasis area credits with a 2.5 GPA and junior status

**AR 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**AR 410 — Advanced Drawing I**

Credit Hours: 3.00

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 T

**AR 411 — Advanced Drawing II**

Credit Hours: 3.00

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 T

**AR 422 — Advanced Painting I**

Credit Hours: 3.00

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 T

**AR 423 — Advanced Painting II**

Credit Hours: 3.00

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 T

**AR 442 — Advanced Fiber I**

Credit Hours: 3.00

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 T

**AR 443 — Advanced Fiber II**

Credit Hours: 3.00

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 T

**AR 452 — Advanced Sculpture I**

Credit Hours: 3.00

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 T

**AR 453 — Advanced Sculpture II**

Credit Hours: 3.00

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 T

**AR 462 — Advanced Printmaking I**

Credit Hours: 3.00

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 T

**AR 463 — Advanced Printmaking II**

Credit Hours: 3.00

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 T

**AR 472 — Advanced Ceramics I**

Credit Hours: 3.00

Advanced techniques: glaze calculation, kiln design and construction, and individual concepts in clay. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 371 minimum grade C- or T

**AR 473 — Advanced Ceramics II**

Credit Hours: 3.00

Advanced techniques: glaze calculation, kiln design and construction, and individual concepts in clay. This course has a course specific fee to cover the costs of some materials.

Prerequisites: AR 472 minimum grade C- or T

**AR 479 — Topics in Art**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**AR 484 — Advanced Photography I**

Credit Hours: 3.00

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 T or AR 381 minimum grade C- or T

**AR 485 — Advanced Photography II**

Credit Hours: 3.00

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 T

**AR 492 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**AR 494 — Adv Metals and Jewelry I**

Credit Hours: 3.00

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 T

**AR 495 — Adv Metals and Jewelry II**

Credit Hours: 3.00

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 T

**AR 497 — B.F.A. Thesis**

Credit Hours: 9.00

The B.F.A. thesis will involve written research and the creation of a cohesive body of creative work in one of the major disciplines. Exhibition of representations of the creative work will be required in a group exhibition. A supporting paper that describes the body of work, its conceptual framework, artistic influences, and use of media contextualized within art history must accompany the creative work. The supporting paper must be defended during the student's final oral examination. Students must pass an Entrance Portfolio (BFAP) in the spring of their junior year and maintain an overall GPA of 2.75 in their major coursework in order to enroll in B.F.A. Thesis. B.F.A. Portfolio requirements and deadlines are available from the department chair.

Prerequisites: BFAP score of 1 and GPA of 2.75 in the major course work

**AR 498 — Professional Seminar**

Credit Hours: 3.00

Designed to be the academic capstone experience for all students who have majored in art. In addition to satisfactory performance in the classroom, the student must participate in the senior exhibition and take the major field assessment examination. Required of all graduating seniors.

Prerequisites: none

**AR 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Bilingual Education

### **BIED 320 — 1st/2nd Language Acquisition**

Credit Hours: 3.00

Prerequisites: BIED 310 minimum grade C- or T and BIED 315 minimum grade C- or T

## Biology

### **BIOL 101 — Introductory Biology GT-SC1**

Credit Hours: 4.00

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. This course includes 3 hours of lecture and 2 hours of laboratory per week.

Corequisites: BIOL 101L

Prerequisites: none

### **BIOL 101L — Introductory Biology Lab**

Credit Hours: 0.00

Corequisites: BIOL 101

Prerequisites: none

### **BIOL 112 — Human Anatomy**

Credit Hours: 4.00

A lecture/laboratory course that uses the body-system approach to study the structure of the human body. Typically taken by HPPE students. Topics include gross anatomy, histology, the relationship between structure and function, and anatomical changes associated with disease processes. Course includes three hours of lecture and two hours of laboratory per week.

Corequisites: BIOL 112L

Prerequisites: none

### **BIOL 112L — Human Anatomy Lab**

Credit Hours: 0.00

Corequisites: BIOL 112

Prerequisites: none

### **BIOL 125 — Nutrition**

Credit Hours: 2.00

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.

Prerequisites: none

### **BIOL 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BIOL 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BIOL 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of department chair.

Prerequisites: none

### **BIOL 203 — General Biology GT-SC1**

Credit Hours: 5.00

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.

Corequisites: BIOL 203L

Prerequisites: Students must be qualified to enroll in ENG 101 and MATH 104 or MATH 106.

### **BIOL 203L — General Biology Lab**

Credit Hours: 0.00

Corequisites: BIOL 203

Prerequisites: Students must be qualified to enroll in ENG 101 and MATH 104 or MATH 106.

### **BIOL 204 — General Biology GT-SC1**

Credit Hours: 5.00

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. Students required to enroll in developmental courses (i.e., ENG 090, READ 090, MATH 095, or MATH 097) or

having a math ACT score of less than 19 may not enroll in BIOL 204 General Biology or the corequisite lab. Course includes five hours of lecture and two hours of laboratory per week.

Prerequisites: BIOL 203 minimum grade C- or T

### **BIOL 204L — General Biology Lab**

Credit Hours: 0.00

Corequisites: BIOL 204

Prerequisites: BIOL 203 minimum grade C- or T

### **BIOL 205 — Human Anatomy & Physiology**

Credit Hours: 4.00

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 three hours of lecture and two hours of laboratory per week.

Corequisites: BIOL 205L

Prerequisites: Students must be qualified to enroll in ENG 101 and MATH 104 or MATH 106.

### **BIOL 205L — Human Anatomy & Physiology Lab**

Credit Hours: 0.00

Corequisites: BIOL 205

Prerequisites: none

### **BIOL 206 — Human Anatomy & Physiology**

Credit Hours: 4.00

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 three hours of lecture and two hours of laboratory per week.

Corequisites: BIOL 206L

Prerequisites: BIOL 203 minimum grade C- or T or BIOL 205 minimum grade C- or T

### **BIOL 206L — Human Anatomy & Physiology Lab**

Credit Hours: 0.00

Corequisites: BIOL 206

Prerequisites: none

### **BIOL 215 — Microbiology for Non-Majors**

Credit Hours: 4.00

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 three hours of lecture and three hours of laboratory per week.

Prerequisites: BIOL 205 minimum grade C- or T and

BIOL 206 minimum grade C- or T

or BIOL 203 minimum grade C- or T and

BIOL 204 minimum grade C- or T

### **BIOL 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BIOL 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BIOL 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **BIOL 321 — Genetics**

Credit Hours: 3.00

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 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 T

and BIOL 204 minimum grade C- or T

and CHEM 111 minimum grade C- or T

and (CHEM 112 minimum grade C- or T

or CHEM 131 minimum grade C- or T)

and CHEM 132 minimum grade C- or T

### **BIOL 323 — Cellular Biology**

Credit Hours: 3.00

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 T and BIOL 204 minimum grade C- or T and CHEM 111 minimum grade C- or T and (CHEM 112 minimum grade C- or T or CHEM 131 minimum grade C- or T) and CHEM 132 minimum grade C- or T

### **BIOL 325 — Cellular Biology/Genetics Lab**

Credit Hours: 1.00

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 three hours of laboratory per week.

Corequisites: BIOL 321, BIOL 323

Prerequisites: BIOL 203 minimum grade C- or T and BIOL 204 minimum grade C- or T and CHEM 111 minimum grade C- or T and (CHEM 112 minimum grade C- or T or CHEM 131 minimum grade C- or T) and CHEM 132 minimum grade C- or T

### **BIOL 330 — Ecology**

Credit Hours: 4.00

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 three hours of lecture and three hours of laboratory per week.

Prerequisites: BIOL 203 minimum grade C- or T and BIOL 204 minimum grade C- or T

### **BIOL 330L — Ecology Laboratory**

Credit Hours: 0.00

Corequisites: BIOL 330

Prerequisites: BIOL 203 minimum grade C- or T and BIOL 204 minimum grade C- or T

### **BIOL 332 — Evolution**

Credit Hours: 3.00

A study of the history and development of evolu-

tionary 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 three hours of lecture per week.

Prerequisites: BIOL 203 minimum grade C- or T and BIOL 204 minimum grade C- or T and BIOL 321 minimum grade C- or T

### **BIOL 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BIOL 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BIOL 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **BIOL 404 — Physiological Zoology**

Credit Hours: 3.00

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 three hours of lecture per week and is offered during spring term of odd-numbered years.

Prerequisites: BIOL 321 minimum grade C- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 407 — Comparative Animal Physiology**

Credit Hours: 4.00

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 three hours of lecture and three

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T and CHEM 321 minimum grade C- or T and CHEM 321L minimum grade C- or T and CHEM 322 minimum grade C- or T and CHEM 322L minimum grade C- or T

### **BIOL 408 — Developmental Biology**

Credit Hours: 4.00

A lecture and laboratory exploration of the principles of cellular differentiation, morphogenesis, and development with emphasis on underlying genetic mechanisms. Course includes three hours of lecture and three hours of laboratory per week.

Prerequisites: BIOL 321 minimum grade C- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 411 — Comparative Anatomy**

Credit Hours: 4.00

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 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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 417 — Vascular Plant Systematics**

Credit Hours: 4.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 420 — Mycology**

Credit Hours: 4.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 423 — Plant Physiology**

Credit Hours: 4.00

A study of the mechanisms of plant functions throughout development from seeds through reproduction. This course includes consideration of metabolism (photosynthesis, respiration, mineral nutrition), water relations, gas exchange, and developmental growth in response to hormones. Course includes three hours of lecture and three hours of laboratory per week and is offered during fall term of even-numbered years. Successful completion of, or concurrent registration in, MATH 205 and PHYS 221 is recommended.

Prerequisites: BIOL 321 minimum grade C- and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 430 — Plant Ecology**

Credit Hours: 4.00

A study of the physiological mechanisms underlying plant responses to abiotic and biotic constraints. Topics will include the function of plants and plant communities in relation to soils, climate, other plants, animals, and human activity. Course includes three hours of lecture and three 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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 440 — Invertebrate Zoology**

Credit Hours: 4.00

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 dem-

onstrated through study of selected invertebrate types including marine, freshwater, and terrestrial species. Course includes three hours of lecture and three hours of laboratory per week and is offered during spring term of even-numbered years.

Prerequisites: BIOL 321 minimum grade C- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 448 — Microbiology**

Credit Hours: 4.00

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, bacterial identification, isolation/ titration of bacteriophages, and other basic principles of microbiology. Course includes three hours of lecture and three hours of laboratory per week. CHEM 321 and 322 are recommended.

Prerequisites: BIOL 321 minimum grade C- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 450 — Immunology**

Credit Hours: 4.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T and BIOL 448 minimum grade C- or T

### **BIOL 451 — Endocrinology**

Credit Hours: 3.00

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 endo-

crine tissue, videos of hormonal action, analysis of experiments in journal articles and discussions of medical case histories. Course includes three hours of lecture per week and is offered during the fall term of even-numbered years.

Prerequisites: BIOL 321 minimum grade C- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 460 — Ornithology**

Credit Hours: 3.00

An integrated lecture and laboratory course covering the major taxonomic groups of birds, their ecology, evolutionary relationships, 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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 461 — Entomology**

Credit Hours: 3.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 463 — Ichthyology**

Credit Hours: 3.00

An integrated lecture and laboratory course covering the major taxonomic 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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 464 — Mammalogy**

Credit Hours: 3.00

An integrated lecture and laboratory course covering the major taxonomic groups of mammals, their ecology, evolutionary relationships, fossil history, identification, and unique aspects of their anatomy, behavior and physiology. Course includes 3 hours of lecture per week and is offered during spring term of even-numbered years. Additional laboratory/field exercises are required.

Prerequisites: BIOL 321 minimum grade C- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 467 — Wildlife Management**

Credit Hours: 2.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 469 — Fisheries Management**

Credit Hours: 2.00

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 two 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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 471 — Herpetology**

Credit Hours: 3.00

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 3 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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T

### **BIOL 476 — Molecular Biology I**

Credit Hours: 4.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 330 minimum grade C- or T and BIOL 332 minimum grade C- or T and CHEM 401 minimum grade C- or T

### **BIOL 477 — Molecular Biology II**

Credit Hours: 4.00

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- or T

and BIOL 323 minimum grade C- or T  
and BIOL 325 minimum grade C- or T  
and BIOL 330 minimum grade C- or T  
and BIOL 332 minimum grade C- or T  
and BIOL 476 minimum grade C- or T  
and CHEM 401 minimum grade C- or T

### **BIOL 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BIOL 480 — Natural History of World**

#### **Regions Seminar**

Credit Hours: 1.00

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 Islands and Eastern/Southern Africa. The corresponding field trip course is offered for declared science or mathematics majors in good standing. Prerequisites: BIO 203/203L & 204/204L minimum grade C- or T, cumulative GPA of 3.0 and GPA of 3.0 in science and mathematics coursework.

### **BIOL 482 — Natural History of World**

#### **Regions**

Credit Hours: 3.00

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 T.

### **BIOL 484 — Topics in Wildlife Management**

Credit Hours: 3.00 to 5.00

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 solutions. Students will visit the specific park or preserve and work directly with resource managers and stakeholders to develop comprehensive plans to address challenges. Examples of challenges include, but are not limited to, climate change, conflicts with local communities, changing land use in surrounding areas, energy development, tourism, and poaching.

Prerequisites: BIOL 321 minimum grade C- or T  
and BIOL 323 minimum grade C- or T  
and BIOL 325 minimum grade C- or T  
and BIOL 330 minimum grade C- or T  
and BIOL 332 minimum grade C- or T

### **BIOL 492 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BIOL 493 — Thesis I**

Credit Hours: 1.00

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 on 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- or T  
and BIOL 323 minimum grade C- or T  
and BIOL 325 minimum grade C- or T  
and BIOL 330 minimum grade C- or T  
and BIOL 332 minimum grade C- or T

### **BIOL 494 — Thesis II**

Credit Hours: 1.00

Second in a series of two capstone courses for biology majors 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 T

### **BIOL 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Business

### **BUS 103 — Introduction to Business**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 105 — Introduction to Agribusiness**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 114 — Personal Finance**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 120 — Bus Computer Applications I**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 179 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BUS 192 — Workshops**

Credit Hours: 1.00 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BUS 199 — Individual Studies**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **BUS 207 — Principles of Accounting I**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 208 — Principles of Accounting II**

Credit Hours: 3.00

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 T

### **BUS 211 — Business Law**

Credit Hours: 3.00

Study of the legal principles pertaining to contracts, agency, negotiable instruments, corporations, partnerships, and government regulations. Research of actual cases is required.

Prerequisites: none

### **BUS 279 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BUS 292 — Workshop**

Credit Hours: 1.00 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BUS 299 — Individual Studies**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**BUS 304 — Principles of Marketing**

Credit Hours: 3.00

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 T

**BUS 305 — Intermediate Accounting I**

Credit Hours: 4.00

Study of assets and liabilities with particular emphasis on problems of measurement and the resultant effect on income and on problems of financial statement presentation. Exploration of authoritative literature in the field is a significant element. Term paper required.

Prerequisites: BUS 207 minimum grade C- or T and BUS 208 minimum grade C- or T

**BUS 306 — Intermediate Accounting II**

Credit Hours: 4.00

Study of assets and liabilities with particular emphasis on problems of measurement and the resultant effect on income and on problems of financial statement presentation. Exploration of authoritative literature in the field is a significant element. Term paper required.

Prerequisites: BUS 305 minimum grade C- or T

**BUS 307 — Managerial Cost Accounting I**

Credit Hours: 3.00

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 T

**BUS 308 — Managerial Cost Accounting II**

Credit Hours: 3.00

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 T

**BUS 312 — Web Design I**

Credit Hours: 3.00

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 T

**BUS 313 — Meth of Teaching Bus Education**

Credit Hours: 3.00

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 Preparation 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- or T and BUS 207 minimum grade C- or T and BUS 208 minimum grade C- or T and ED 200 minimum grade C- or T and ED 220 minimum grade C- or T and background check completed and admitted to Teacher Education Preparation Program, score of 1

**BUS 315 — Sales and Sales Management**

Credit Hours: 3.00

This course is designed to introduce students to management techniques as they relate specifically to the marketing and sales areas. 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 T

**BUS 316 — Public and Nonprofit Management**

Credit Hours: 3.00

This course is designed to examine public and nonprofit management. This type of management is driven by mission and/or executive/legislative direction. It is not about the bottom line or profit. Students will learn both the theory and practice of public and nonprofit management, us-

ing the concept case method and service learning opportunities.

Prerequisites: none

### **BUS 318 — Business Statistics**

Credit Hours: 3.00

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 T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T or MATH 120 minimum grade C- or T

### **BUS 320 — Bus Computer Applications II**

Credit Hours: 3.00

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 T

### **BUS 321 — Survey of Operating Systems**

Credit Hours: 3.00

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 T

### **BUS 323 — Computerized Accounting**

Credit Hours: 1.00

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 T

### **BUS 324 — Data Communications & Network**

Credit Hours: 3.00

*Network+ Guide to Networks*, fourth edition, is designed to prepare users for CompTIA'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 120 minimum grade C- or T

### **BUS 331 — Business Application Programming**

Credit Hours: 1.00

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 T

### **BUS 335 — Consumer Behavior**

Credit Hours: 3.00

Study of consumer behavior as it relates to the marketing functions. Emphasis on the models of consumer behavior and their applications to practical marketing problems.

Prerequisites: BUS 304 minimum grade C- or T

### **BUS 345 — Advertising**

Credit Hours: 3.00

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 T

### **BUS 348 — Interactive Marketing**

Credit Hours: 3.00

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 T

### **BUS 355 — Fundamentals of Income Tax**

Credit Hours: 4.00

Study of federal income tax on individual and property transactions. Objectives of taxation given major emphasis. The Internal Revenue Code is discussed in addition to the text 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 T and ECON 255 minimum grade C- or T

### **BUS 356 — Retailing**

Credit Hours: 3.00

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 T

### **BUS 360 — Govt & Institution Accounting**

Credit Hours: 3.00

Study of accounting procedures related to governmental units and nonprofit institutions.

Prerequisites: BUS 208 minimum grade C- or T

### **BUS 361 — Principles of Management**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 362 — Human Resource Management**

Credit Hours: 3.00

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 T

### **BUS 363 — Managerial Finance**

Credit Hours: 3.00

BUS 318 recommended. Illustrates the ways finance and financial management are utilized in successfully managing a modern business enterprise. Considerable emphasis placed on financial planning and forecasting, management of short- and long-term assets, and the firm's capital structure and cost of capital.

Prerequisites: BUS 208 minimum grade C- or T and ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T

### **BUS 364 - Agribusiness Management**

Credit Hours: 3.00

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 C- or T and BUS 207 minimum grade C- or T and BUS 361 minimum grade C- or T and BUS 363 minimum grade C- or T or instructor consent

### **BUS 365 — Small Business Management**

Credit Hours: 3.00

Practical analysis of problems faced by a small business with emphasis on techniques of starting, financing, and managing for successful operation. Business plan required.

Prerequisites: BUS 207 minimum grade C- or T and BUS 208 minimum grade C- or T and BUS 304 minimum grade C- or T and BUS 361 minimum grade C- or T

### **BUS 366 — Business Communications**

Credit Hours: 3.00

Understanding and using communication skills as a manager in business, non-profits, or health care. Developing personal skills for intra and interpersonal communication. We explore communication through verbal, written and presentation methods using technology when appropriate. This is a course organized to develop individual skills as well as academic understanding, thus many individual and group exercises will be undertaken.

Prerequisites: BUS 120 minimum grade C- or T and BUS 320 minimum grade C- or T

### **BUS 370 — Understand/Troubleshoot PC**

Credit Hours: 3.00

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 T

### **BUS 373 — Investment Analysis**

Credit Hours: 3.00

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- or T and BUS 363 minimum grade C- or T and ECON 255 minimum grade C- or T

### **BUS 375 — Simulation**

Credit Hours: 3.00

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: none

### **BUS 377 — Entrepreneurship: How to Start Your Own Business**

Credit Hours: 3.00

A presentation of the process to be used to develop a complete and competent “business plan” for an entrepreneurial idea, that will be required to obtain funding to start that business, and that will serve as a management control for the ongoing business. The student will develop a business plan based on their entrepreneurial idea.

Prerequisites: none

### **BUS 378 — Commodities and Risk Management**

Credit Hours: 3.00

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 agricultural production or operation, and various tools available to manage specific situations.

Prerequisites: instructor consent or BUS 103 minimum grade C- or T  
BUS 105 minimum grade C- or T  
BUS 318 minimum grade C- or T

### **BUS 379 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BUS 381 — Business Internship I**

Credit Hours: 1.00 to 3.00

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 supervi-

sor 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).

Prerequisites: none

### **BUS 382— Database and Information Management**

Credit Hours: 3.00

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 T

### **BUS 383 — International Financial Mgmt**

Credit Hours: 3.00

Provides students with the fundamentals of the international financial environment and international financial markets. Emphasis will be on managerial perspectives such as export and import, financing techniques, exchange rate risk management, and issues arising in the financing of foreign affiliates.

Prerequisites: BUS 363 minimum grade C- or T

### **BUS 384 — Natural Resources and Water Law**

Credit Hours: 3.00

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- or T and BUS 105 minimum grade C- or T and BUS 211 minimum grade C- or T

### **BUS 385 — Sports Marketing**

Credit Hours: 3.00

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.

Prerequisites: none

### **BUS 386 — Principles of Real Estate**

Credit Hours: 3.00

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 T

### **BUS 387 — Colorado Real Estate Contracts**

Credit Hours: 3.00

Provides an in-depth understanding of Colorado peculiar real estate law including state-approved contracts for the listing and sale of property and the uniqueness of being legally able to prepare legal documents associated with the closing of the sale of 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: none

### **BUS 388 — Real Estate Closing/Prac Apps**

Credit Hours: 3.00

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 T

### **BUS 392 — Workshops**

Credit Hours: 0.33 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BUS 398 — Farm and Ranch Management**

Credit Hours: 3.00

The application of economic and business principles to the management and operation of farms and ranches for decision making purposes.

Prerequisites: Instructor consent or BUS 103 minimum grade C- or T and BUS 105 minimum grade C- or T and BUS 207 minimum grade C- or T and BUS 361 minimum grade C- or T

### **BUS 399 — Individual Studies**

Credit Hours: 1.00 to 4.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **BUS 401 — Organizational Behavior**

Credit Hours: 3.00

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 structure, morale, power, labor-management behavior, organizational change, and development.

Prerequisites: BUS 361 minimum grade C- or T

### **BUS 404 — Advanced Business Statistics**

Credit Hours: 3.00

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 T

### **BUS 405 — Advanced Accounting**

Credit Hours: 4.00

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 T

### **BUS 407 — Auditing I**

Credit Hours: 3.00

Study of ethical standards, auditing standards, au-



dit procedures, and evolution of internal control to learn how financial statements are examined and audit reports prepared.

Prerequisites: BUS 305 minimum grade C- or T and BUS 306 minimum grade C- or T and BUS 318 minimum grade C- or T

### **BUS 409 — Auditing II/Fraud Examination**

Credit Hours: 3.00

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- or T and BUS 208 minimum grade C- or T

### **BUS 410 — Office Management**

Credit Hours: 3.00

Analysis of principles, problems, and methods of scientific office management. Study of management information systems.

Prerequisites: BUS 370 minimum grade D or T

### **BUS 411 — Information & Records Mgmt**

Credit Hours: 3.00

Furnishes guidelines for the establishment, implementation, and maintenance of manual and computerized records control programs in all types of organizations from small, individually-owned businesses to large corporations, as well as governmental units at the local, state, regional, and national levels.

Prerequisites: BUS 120 minimum grade C- or T

### **BUS 414 — Commercial Banking**

Credit Hours: 3.00

Explores function and role of commercial banks, including operation, loan policies, security instruments, and socioeconomic impact.

Prerequisites: BUS 207 minimum grade C- or T and BUS 211 minimum grade C- or T and ECON 255 minimum grade C- or T

### **BUS 416 — Business Financial Problems**

Credit Hours: 3.00

General examination of financial problems faced by business firms with the purpose of developing integrated theories of financial policy at the firm level. Case studies used extensively.

Prerequisites: BUS 363 minimum grade C- or T

### **BUS 417 — Web Design II/e-Commerce**

Credit Hours: 3.00

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 the e-Commerce capabilities. Students use these tools to turn the static pages into a powerful, interactive Web Site.

Prerequisites: (BUS 312 minimum grade C- or T and BUS 331 minimum grade C- or T) or CSCI 245 minimum grade C- or T

### **BUS 418 — Advanced Management Seminar**

Credit Hours: 3.00

Senior status required. Use of case studies and readings in current management literature to analyze the process of making decisions and setting policies for modern organizations.

Prerequisites: BUS 361 minimum grade C- or T and BUS 362 minimum grade C- or T

### **BUS 419 — Current Topics in Management**

Credit Hours: 3.00

Surveys current management issues in a competitive and rapidly changing business environment that more than ever is: challenged by global opportunities and threats; concerned with families and quality of work life; confronted by legal and ethical dilemmas; connected by technology; and consumer-oriented to provide high quality goods and services at low prices.

Prerequisites: none

### **BUS 425 — Systems Analysis**

Credit Hours: 3.00

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 operation, support and security.

Prerequisites: BUS 320 minimum grade C- or T

**BUS 430 — Production & Operations Mgmt**

Credit Hours: 3.00

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- or T and MATH 104 minimum grade C- or T

**BUS 441 — International Marketing**

Credit Hours: 3.00

An advanced course in marketing covering the adaptations needed when marketing outside national boundaries. Includes discussions of cultures; product and marketing modifications necessary in a variety of situations; and study of various world regions and their consumption, terrain, demographics, and geographics as they influence marketing practices.

Prerequisites: BUS 304 minimum grade C- or T

**BUS 448 — Interactive Marketing**

Credit Hours: 3.00

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 T

**BUS 450 — Services Marketing**

Credit Hours: 3.00

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 T

**BUS 454 — Market Research & Information**

Credit Hours: 3.00

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- or T and BUS 318 minimum grade C- or T

**BUS 455 — Advanced Income Taxation**

Credit Hours: 4.00

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 355 minimum grade C- or T

**BUS 456 — Problem Solving, Information and Decision Sciences**

Credit Hours: 3.00

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 a business decision support system (DSS) and selection of DSS tools to resolve a problem. 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- or T and (BUS 318 minimum grade C- or T or MATH 340 minimum grade C- or T)

**BUS 460 — Marketing Management**

Credit Hours: 3.00

Twelve hours of marketing courses and senior status required. Capstone course in marketing. Study of the problems face by marketing managers as they make decisions and develop policies.

Prerequisites: BUS 454 minimum grade C- or T

**BUS 466 — Business Ethics**

Credit Hours: 3.00

Explores and puts into perspective the ethical role of business institutions and governments. Emphasizes the need to examine the world of work from an ethical viewpoint.

Prerequisites: none

**BUS 470 — Project Management**

Credit Hours: 3.00

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, communications, and 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 T and BUS 430 minimum grade C- or T) or CSCI 209 minimum grade C- or T

### **BUS 471 — Intermediate Accounting III**

Credit Hours: 4.00

Study of assets and liabilities with particular emphasis on problems of measurement and the resultant effect on income and on problems of financial statement presentation. Exploration of authoritative literature in the field is a significant element.

Prerequisites: BUS 306 minimum grade C- or T

### **BUS 472 — C.P.A. Review**

Credit Hours: 3.00

Review of accounting theory, practice, and auditing for individuals preparing to sit for the C.P.A. examination.

Prerequisites: BUS 306 minimum grade D or T

### **BUS 478 — Agricultural Marketing**

Credit Hours: 3.00

An overview of current marketing methods used for agricultural products and services, including value added marketing.

Prerequisites: Instructor consent or (BUS 103 minimum grade C- or T and BUS 105 minimum grade C- or T and BUS 304 minimum grade C- or T and BUS 318 minimum grade C- or T)

### **BUS 479 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **BUS 480 — Global Business Strategies**

Credit Hours: 3.00

Senior status required. Designed to help students understand planning activities, determination of alternatives, policy formulation, execution of plans, development of corporate company strategy as currently used by business enterprises. Involves extensive case study.

Prerequisites: BUS 207 minimum grade C- or T and BUS 208 minimum grade C- or T and BUS 304 minimum grade C- or T and BUS 361 minimum grade C- or T and BUS 363 minimum grade C- or T and ECON 255 minimum grade C- or T

### **BUS 481 — Business Internship II**

Credit Hours: 1.00 to 3.00

Senior standing and approval of the department chair required. The internships are planned, meaningful work experience 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).

Prerequisites: none

### **BUS 488 — Ag Policy and Farm Bill**

Credit Hours: 3.00

Development and implementation of public policy in agriculture, implications of international competition and trade, and development and interpretation of argument in policy development.

Prerequisites: Instructor consent or BUS 103 minimum grade C- or T and BUS 105 minimum grade C- or T and BUS 318 minimum grade C- or T and ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T

### **BUS 492 — Workshops**

Credit Hours: 0.50 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **BUS 498 — World Food Distribution & Ag Economics**

Credit Hours: 3.00

Knowledge and application of economic concepts to the sectors of agriculture including microeconomic and macroeconomic relationships, world markets, and trade.

Prerequisites: Instructor consent or BUS 103 minimum grade C- or T and BUS 105 minimum grade C- or T and ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T

### **BUS 499 — Individual Studies**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Chemistry

### **CHEM 103 — Introduction to Forensic Chemistry**

Credit Hours: 4.00

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 laboratory that counts toward general education credit. Does not count toward a major or minor in chemistry.

Corequisites: CHEM 103L

Prerequisites: ACT math score of 19 or higher or ACCUPLACER math score of 85 or higher or MATH 099 minimum grade S or T or MATH 104 minimum grade C- or T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T

### **CHEM 103L — Introduction to Forensic Chemistry Lab**

Credit Hours: 0.00

Required companion laboratory to CHEM 103.

Corequisites: CHEM 103

### **CHEM 105 — Intro to General, Organic, and Biological Chemistry**

Credit Hours: 4.00

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.

Corequisites: CHEM 105L

Prerequisites: ACT math score of 19 or higher or SAT math score of 440 or higher or ACCUPLACER math score of 85 or higher or MATH 099 minimum grade S or T

### **CHEM 105L — Intro to General, Organic, and Biological Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 105.

Corequisites: CHEM 105

Prerequisites: ACT math score of 19 or higher or SAT math score of 440 or higher or ACCUPLACER math score of 85 or higher or MATH 099 minimum grade S or T

### **CHEM 111 — Introductory Chemistry GT-SC1**

Credit Hours: 4.00

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 not suitable for the pre-professional programs such as pre-med, pre-dental, pre-vet or medical technology.

Corequisites: CHEM 111L

Prerequisites: ACT math score of 19 or higher or SAT math score of 440 or higher or ACCUPLACER math score of 085 or higher or MATH 099 minimum grade S or T or MATH 104 minimum grade C- or T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T or MATH 120 minimum grade C- or T

### **CHEM 111L — Introductory Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 111.

Corequisites: CHEM 111

Prerequisites: none

### **CHEM 112 — Intro Organic/Biological Chem**

Credit Hours: 4.00

A study of the fundamental concepts of organic chemistry and biochemistry. Will not satisfy requirement 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.

Corequisites: CHEM 112L

Prerequisites: CHEM 111 minimum grade C- or T or (CHEM 131 minimum grade C- or T and CHEM 132 minimum grade C- or T)

### **CHEM 112L — Intro Organic/Biol Chem Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 112.

Corequisites: CHEM 112

Prerequisites: none

### **CHEM 131 — General Chemistry GT-SC1**

Credit Hours: 4.00

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 physi-

cal principles discussed in the lecture. This course is designed for students who have had high school chemistry, although it is not a prerequisite.

Corequisites: CHEM 131L

Prerequisites: ACT math score of 19 or higher or SAT math score of 440 or higher or ACCUPLACER math score of 085 or higher or MATH 099 minimum grade S or T or MATH 101 minimum grade C- or T or MATH 104 minimum grade C- or T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T or MATH 120 minimum grade C- or T

### **CHEM 131L — General Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 131.

Corequisites: CHEM 131

Prerequisites: none

### **CHEM 132 — General Chemistry GT-SC1**

Credit Hours: 4.00

A continuation of CHEM 131. This course is designed for students who have had high school chemistry, although it is not a prerequisite.

Corequisites: CHEM 132L

Prerequisites: CHEM 131 minimum grade C- or T

### **CHEM 132L — General Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 132.

Corequisites: CHEM 132

Prerequisites: none

### **CHEM 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CHEM 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CHEM 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **CHEM 216 — Glassblowing**

Credit Hours: 1.00

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 T or CHEM 131 minimum grade D or T

### **CHEM 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CHEM 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CHEM 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **CHEM 321 — Organic Chemistry**

Credit Hours: 4.00

A study of the relationship between structure and reactivity of carbon-containing compounds.

Corequisites: CHEM 321L

Prerequisites: CHEM 132 minimum grade C- or T

### **CHEM 321L — Organic Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 321. Laboratory time will be divided among techniques, preparations, and mechanistic studies.

Corequisites: CHEM 321

Prerequisites: none

### **CHEM 322 — Organic Chemistry**

Credit Hours: 4.00

A continuation of CHEM 321.

Corequisites: CHEM 322L

Prerequisites: CHEM 321 minimum grade C- or T

### **CHEM 322L — Organic Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 322. Laboratory time will be divided among mechanistic studies,

preparation, introductory qualitative analysis, and independent project work.

Corequisites: CHEM 322

Prerequisites: none

### **CHEM 331 — Analytical Chemistry**

Credit Hours: 3.00

The theory and application of classical and instrumental quantitative analysis with additional emphasis on the fate and analysis of chemicals in the environment.

Corequisites: CHEM 331L

Prerequisites: (CHEM 132 minimum grade C- or T

and (MATH 106 minimum grade C- or T

and MATH 107 minimum grade C- or T)

or MATH 120 minimum grade C- or T

### **CHEM 331L — Analytical Chemistry Lab**

Credit Hours: 2.00

Required companion laboratory to be taken concurrently with CHEM 331.

Corequisites: CHEM 331

Prerequisites: none

### **CHEM 332 — Analytical Chemistry**

Credit Hours: 3.00

A continuation of CHEM 331 with additional coverage of chemical equilibria and electrochemistry.

Corequisites: CHEM 332L

Prerequisites: CHEM 331 minimum grade D or T

### **CHEM 332L — Analytical Chemistry Lab**

Credit Hours: 2.00

Required companion laboratory to be taken concurrently with CHEM 332.

Corequisites: CHEM 332

Prerequisites: none

### **CHEM 334 — Environmental Chemistry**

Credit Hours: 3.00

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.

Corequisites: CHEM 334L

Prerequisites: CHEM 331 minimum grade C- or T

### **CHEM 334L — Environmental Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 334.

Corequisites: CHEM 334

Prerequisites: none

### **CHEM 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CHEM 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CHEM 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **CHEM 401 — Biochemistry**

Credit Hours: 3.00

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 mechanisms and kinetics.

Corequisites: CHEM 401L

Prerequisites: CHEM 322 minimum grade C- or T

### **CHEM 401L — Biochemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 401. Laboratory time will be spent learning protein purification techniques and doing independent project work.

Corequisites: CHEM 401

Prerequisites: none

### **CHEM 402 — Biochemistry II**

Credit Hours: 3.00

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 T

### **CHEM 424 — Advanced Organic Chemistry**

Credit Hours: 3.00

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 reactions, and natural products synthesis. Offered spring semesters upon sufficient demand. Three hours of lecture/week.

Prerequisites: CHEM 322 minimum grade C- or T

**CHEM 431 — Phys Chem Lec/  
Thermodynamics**

Credit Hours: 3.00

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.

Corequisites: CHEM 433

Prerequisites: CHEM 132 minimum grade C- or T and MATH 121 minimum grade C- or T and (PHYS 225 minimum grade D or T and PHYS 226 minimum grade D or T) or (PHYS 230 minimum grade D or T and PHYS 231 minimum grade D or T and PHYS 232 minimum grade D or T and PHYS 233 minimum grade D or T)

**CHEM 432 — Phys Chem Lec/Quantum  
Mechanic**

Credit Hours: 3.00

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 T and MATH 120 minimum grade D or T and MATH 121 minimum grade D or T and (PHYS 225 minimum grade D or T and PHYS 226 minimum grade D or T) or (PHYS 230 minimum grade D or T and PHYS 231 minimum grade D or T and PHYS 232 minimum grade D or T and PHYS 233 minimum grade D or T)

**CHEM 433 — Physical Chemistry Laboratory**

Credit Hours: 2.00

The principles of physical chemistry applied in the laboratory.

Corequisites: CHEM 431

**CHEM 434 — Physical Chemistry Laboratory**

Credit Hours: 2.00

The principles of physical chemistry applied in the laboratory. CHEM 434 includes an independent project.

Corequisites: CHEM 432

Prerequisites: CHEM 431 minimum grade D or T

**CHEM 445 — Polymer Chemistry**

Credit Hours: 3.00

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- or T and CHEM 431 minimum grade D or T

**CHEM 461 — Inorganic Chemistry**

Credit Hours: 3.00

Theoretical aspects of inorganic chemistry based upon periodic relationships, symmetry, structure bonding, and reactivities.

Prerequisites: (CHEM 321 minimum grade C- or T and CHEM 322 minimum grade C- or T) or (CHEM 331 minimum grade C- or T and CHEM 332 minimum grade C- or T)

**CHEM 461L — Inorganic Chemistry Lab**

Credit Hours: 1.00

Required companion laboratory to be taken concurrently with CHEM 461. Practices of inorganic chemistry in the laboratory including synthesis and characterization of compounds.

Corequisites: CHEM 461

**CHEM 471 — Chemistry Seminar**

Credit Hours: 1.00

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.

Prerequisites: none

**CHEM 472 — Chemistry Seminar  
Continuation**

Credit Hours: 1.00

A continuation of CHEM 471.

Prerequisites: CHEM 471 minimum grade C- or T

**CHEM 476 — Molecular Biology**

Credit Hours: 4.00

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- or T and BIOL 323 minimum grade C- or T and BIOL 325 minimum grade C- or T and BIOL 332 minimum grade C- or T and CHEM 401 minimum grade C- or T

**CHEM 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**CHEM 490 — Research in Chemistry**

Credit Hours: 1.00 to 3.00

Independent investigation in the field of chemistry offered to superior students upon arrangement with the instructor.

Prerequisites: none

**CHEM 492 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**CHEM 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Counseling

**COUN 215 — American Sign Language I**

Credit Hours: 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**COUN 312 — Introduction to Counseling**

Credit Hours: 3.00

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- or T and PSYC 204 minimum grade C- or T or PSYC 205 minimum grade C- or T

**COUN 321 — American Sign Language II**

Credit Hours: 3.00

Prerequisites: PSYC 215 minimum grade C- or T or COUN 215 minimum grade C- or T

**COUN 351 — American Sign Language III**

Credit Hours: 3.00

Prerequisites: (PSYC 215 minimum grade C- or T and PSYC 321 minimum grade C- or T) or (COUN 215 minimum grade C- or T and COUN 321 minimum grade C- or T)

**COUN 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**COUN 392 — Workshops**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**COUN 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**COUN 411 — Transpersonal Psychology**

Credit Hours: 3.00

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. (Lajoie & Shapiro, 1992.)

Prerequisites: none

**COUN 471 — American Sign Language IV**

Credit Hours: 3.00

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 student's 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: (PSYC 215 minimum grade C- or T and PSYC 321 minimum grade C- or T and PSYC 351 minimum grade C- or T) or (COUN 215 minimum grade C- or T and COUN 321 minimum grade C- or T and COUN 351 minimum grade C- or T)

### **COUN 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Available under each prefix. Offered periodically to meet student special interests in the field.

Prerequisites: none

## **Computer Science**

### **CSCI 100 — Essentials of Info Technology**

Credit Hours: 3.00

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.

Corequisites: CSCI 100L

Prerequisites: ACT math score of 19 or higher or MATH 099 minimum grade P or T or MATH 101 minimum grade C- or T

### **CSCI 100L — Essentials of Info Tech Lab**

Credit Hours: 0.00

Corequisites: CSCI 100

Prerequisites: ACT math score of 19 or higher or MATH 101 minimum grade C- or T or ASC math placement score of 23

### **CSCI 150 — Introduction to Programming**

Credit Hours: 3.00

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 Microworld.

Prerequisites: MATH 099 minimum grade S or T or ACT math score of 19 or higher

or ASC math placement score of 23 or ACCUPLACER math score of 85 or higher

### **CSCI 170 — Computer Security**

Credit Hours: 2.00

Covers the fundamentals of computer security. Students will conduct hands-on activities for securing both Windows and UNIX operating systems using virtual machines.

Prerequisites: none

### **CSCI 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CSCI 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CSCI 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **CSCI 200 — Discrete Concepts**

Credit Hours: 3.00

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- or T and CSCI 208 minimum grade C- or T or CSCI 210 minimum grade C- or T

### **CSCI 207 — Computer Science IA: Fundamentals of Programming**

Credit Hours: 3.00

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: MATH 099 minimum grade S or T or ACT math score of 19 or higher or ACCUPLACER math score of 85 or higher

### **CSCI 208 — Computer Science IB: Object-Oriented Programming**

Credit Hours: 1.00

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 T

### **CSCI 209 — Computer Science II: Advanced Programming**

Credit Hours: 4.00

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 T

### **CSCI 210 — Programming for Mathematics, Science and Engineering**

Credit Hours: 3.00

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 T or MATH 107 minimum grade C- or T

### **CSCI 215 — Networking and Security**

Credit Hours: 3.00

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 T

### **CSCI 216 — Networking and Security Lab**

Credit Hours: 2.00

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.

Corequisites: CSCI 215 or CSCI 345

or prerequisites: CSCI 215 minimum grade C- or T or CSCI 345 minimum grade C- or T

### **CSCI 236 — Research in Computer Science**

Credit Hours: 1.00

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 T

### **CSCI 245 — Web Programming and Security**

Credit Hours: 4.00

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: Passing ASC technology proficiency exam or CSCI 100 minimum grade C- or T or CSCI 208 minimum grade C- or T or BUS 120 minimum grade C- or T

### **CSCI 250 — Human Computer Interaction**

Credit Hours: 3.00

Presents a comprehensive introduction to the principles and techniques of human-computer interaction.

Prerequisites: CSCI 208 minimum grade C- or T

### **CSCI 275 — Professional Practice**

Credit Hours: 1.00

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 T) or (CSCI 215 minimum grade C- or T and CSCI 216 minimum grade C- or T) and instructor approval of professional work experience plan

### **CSCI 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CSCI 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CSCI 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **CSCI 301 — Soft Develop & Prof Pract I**

Credit Hours: 2.00

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 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 T and CSCI 208 minimum grade C- or T

### **CSCI 302 — Soft Develop & Prof Pract II**

Credit Hours: 2.00

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 development process, including design, validation, evolution, human computer interaction, using APIs, software tools and software development environments.

Prerequisites: CSCI 301 minimum grade C- or T

### **CSCI 308 — Architecture/Operating Systems**

Credit Hours: 3.00

Introduction to the concepts of computer architecture and operating systems, including assembly level machine organization, representation of data, memory systems, bus principles, digital logic, microprograms, functional machine architecture, RISC, CISC, parallel architectures,

an overview of operating systems and operating systems principles, concurrency, and memory management.

Prerequisites: CSCI 209 minimum grade D or T

### **CSCI 315 — Users Services Practicum**

Credit Hours: 3.00

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 T or CSCI 208 minimum grade D or T or MATH 210 Minimum grade D or T

### **CSCI 316 — Computer Operations**

Credit Hours: 3.00

The practical use, operation, repair, and maintenance of computer systems and networks. Emphasizes hardware and software aspects of systems currently used in research and industry.

Prerequisites: CSCI 100 minimum grade C- or T or CSCI 208 minimum grade C- or T

### **CSCI 320 — Advanced Internet**

Credit Hours: 3.00

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 T and (CSCI 208 minimum grade C- or T or CSCI 210 minimum grade C- or T)

### **CSCI 325 — Algorithm Design & Analysis**

Credit Hours: 3.00

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: CSCI 209 minimum grade C- or T and MATH 250 minimum grade C- or T

### **CSCI 330 — Artificial Intelligence**

Credit Hours: 2.00

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 209 minimum grade C- or T and MATH 340 minimum grade C- or T

### **CSCI 345 — Net-Centric Computing**

Credit Hours: 3.00

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 T

### **CSCI 360 — Database Systems**

Credit Hours: 2.00

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 T

### **CSCI 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CSCI 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CSCI 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **CSCI 410 — Computer Graphics & Multimedia**

Credit Hours: 3.00

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- or T and MATH 321 minimum grade C- or T

### **CSCI 436 — Research in Computer Science**

Credit Hours: 1.00

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.

Prerequisites: none

### **CSCI 445 — Distributed Computing**

Credit Hours: 3.00

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 T and CSCI 345 minimum grade C- or T

### **CSCI 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **CSCI 492 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **CSCI 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Early Childhood Education

### **ECE 303 — Current Issues & Trends in ECE** Credit Hours: 3.00

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.

Prerequisites: A.A., A.S. or A.A.S. degree in ECE or instructor permission

### **ECE 323 — Teaching and Learning with Young Children with Special Needs**

Credit Hours: 3.00

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.

Prerequisites: PSYC 204 minimum grade C or T

### **ECE 333 — Teaching and Learning with English Language Learners**

Credit Hours: 3.00

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 understanding strategies and challenges related to the assessment 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.

Prerequisites: A.A., A.S. or A.A.S. degree in ECE or instructor permission

### **ECE 340 — Family Systems & Social Issues in Early Childhood**

Credit Hours: 3.00

Students will be introduced to the interrelationships of family systems and will develop 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.

Prerequisites: A.A., A.S. or A.A.S. degree in ECE or instructor permission

### **ECE 343 — Advocacy and Leadership in Early Childhood**

Credit Hours: 3.00

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.

Prerequisites: ECE 230 minimum grade C or T

### **ECE 353 — Play in Early Childhood**

Credit Hours: 3.00

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 developmental domains.

Prerequisites: A.A., A.S. or A.A.S. degree in ECE or instructor permission

### **ECE 424 — Advance Methods and Techniques in ECE Curriculum**

Credit Hours: 3.00

This course provides a brief overview of the educational and philosophical principles that influence early childhood curriculum (for children ages 0-8). Students will examine 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.”

Prerequisites: ECE 215 minimum grade C or T

### **ECE 425 — Student Teaching-Early Childhood**

Credit Hours: 4.00 to 8.00

The purpose of this course is to expose the student to a semester of teaching, observing, and participating in classroom related experience in a preschool setting. The experience will be supervised by one or more cooperating teachers and coordinated by a college supervisor. For an added endorsement in Early Childhood Education, students must teach in two different age ranges: primary (K-2) and pre-primary (age 3-5 years).

Prerequisites: ECE 110 minimum grade C or T and ECE 112 minimum grade C or T and ECE 115 minimum grade C or T and ECE 320 minimum grade C or T and ECE 340 minimum grade C or T and ECE 424 minimum grade C or T

### **ECE 433 — Creating Positive Environments through Guidance & Management**

Credit Hours: 3.00

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.

Prerequisites: child guidance course

### **ECE 443 — Developmentally Appropriate Effective Practices & Assessment**

Credit Hours: 3.00

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 an 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 and manipulatives. Considerations in choosing, administering, and reporting results of assessments will also be addressed.

Prerequisites: ECE 424 minimum grade C or T

## **Economics**

### **ECON 201 — Economics and Today’s Society GT-SS1**

Credit Hours: 3.00

A core curriculum course developing student understanding of how the economic behavior of individuals, families, businesses, and governments reflects their drive to meet their needs and satisfy their wants in a world of economic and environmental scarcity. Course will help explain the causes and solutions to issues such as energy scarcity, unemployment, inflation, pollution, poverty, healthcare, discrimination, and other world conditions.

Prerequisites: none

### **ECON 255 — Principles of Economics I**

Credit Hours: 3.00

Detailed macro/micro approach to the workings of the market system with actual applications to problems of energy, unemployment, inflation, pollution, poverty, health, discrimination, and other important issues.

Prerequisites: none

### **ECON 256 — Principles of Economics II**

Credit Hours: 3.00

Detailed macro/micro approach to the workings of the market system with actual applications to problems of energy, unemployment, inflation, pollution, poverty, health, discrimination, and other important issues.

Prerequisites: none

**ECON 379 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: ECON 255 minimum grade D or T and ECON 256 minimum grade D or T

**ECON 399 — Individual Studies**

Credit Hours: 1.00 to 3.00

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 T and ECON 256 minimum grade D or T

**ECON 425 — Economic Policy**

Credit Hours: 3.00

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. Considerable emphasis placed on forecasting economic conditions and the timing of, as well as the complex interplay of, policy and economic forces.

Prerequisites: ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T and MATH 104 minimum grade C- or T

**ECON 433 — Managerial Economics**

Credit Hours: 3.00

Application and integration of microeconomic theory and the tools of decision science to managerial decision-making. Particular emphasis placed on estimating demand and cost functions as well as the effects of time and uncertainty. BUS 318 recommended.

Prerequisites: ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T and MATH 104 minimum grade C- or T

**ECON 474 — Seminar Current Econ Issues**

Credit Hours: 3.00

Analysis in seminar format of a broad range of vital economic issues affecting American society.

Prerequisites: ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T

**ECON 479 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: ECON 255 minimum grade D or T and ECON 256 minimum grade D or T

**ECON 499 — Individual Studies**

Credit Hours: 1.00 to 3.00

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 T and ECON 256 minimum grade D or T

## Education

**ED 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**ED 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**ED 200 — Perspectives Teaching/Learning**

Credit Hours: 3.00

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 30-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 ASC Academic Instructional Technology Center 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: background check completed, score of 1

**ED 220 — The Exceptional Learner**

Credit Hours: 3.00

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 10-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 ASC Academic Instructional Technology Center 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: background check completed, score of 1

### **ED 230 — Lit/Language Development I**

Credit Hours: 3.00

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 (brain-research) of language learning (i.e., speaking, reading, writing, visual representation, and, listening). There is a dual focus on the processes 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 graphophonics 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 literary elements and integrated language arts.

Prerequisites: none

### **ED 279 — Special Topics**

Credit Hours: 0.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **ED 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **ED 300 — Literacy & Language Dev II**

Credit Hours: 3.00

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 (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: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1 and ED 230 minimum grade C or T

### **ED 310 — Methods/Teaching Science-Elem**

Credit Hours: 3.00

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: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **ED 328 — Methods/Teaching Math-Elem**

Credit Hours: 3.00

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. Prerequisites: 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 and admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1

### **ED 345 — Educational Psychology**

Credit Hours: 3.00

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 environment. 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: admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1

### **ED 350 — Method/Tchg Science & Math-Sec**

Credit Hours: 3.00

This course is designed to support the beginning secondary math or 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.

Prerequisites: at least 24 semester hours of credit in math and/or science (minimum grade C or T)

and admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1

### **ED 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **ED 392 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **ED 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **ED 404 — Literacy and Language Dev III**

Credit Hours: 2.00

This third course in the Literacy and Language Development sequence focuses on individualized assessment for the diagnosis of reading, 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 forms 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 recognition of perceptual-communicative disorders; 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: admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1 and ED 300 minimum grade C or T and ED 230 minimum grade C or T

### **ED 405 — Literacy & Language Dev III**

Credit Hours: 3.00

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 recognition of perceptual-communicative disorders; 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 ASC College Center Campus Card Office PRIOR to the beginning of the field experience component. This is a requirement, not an option. This course is offered through the Extended Studies REAP program only.

Corequisites: ED 405L

Prerequisites: ED 300 minimum grade C or T and ED 300L minimum grade C or T and ED 230 minimum grade C or T and admitted to Teacher Education Preparation Program, score of 1

### **ED 405L — Literacy & Language III Lab**

Credit Hours: 0.00

This course is offered through Extended Studies through the REAP program only.

Corequisites: ED 405

Prerequisites: ED 300 minimum grade C or T and ED 300L minimum grade C or T and admitted to Teacher Education Preparation Program, score of 1

### **ED 410 — Class Instruct/Mngmnt**

Credit Hours: 3.00

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 the Extended Studies REAP program only.

Prerequisites: admitted to Teacher Education Preparation Program, score of 1

### **ED 414 — Class Instruct/Mngmnt — Elem**

Credit Hours: 2.00

This course is designed to introduce elementary licensure candidates to basic theory and principles of practice in the areas of classroom instruction, classroom management, and behavior evaluation and change. Emphasis is placed on developing a critical thinking approach to the design and implementation evaluation and planning to successfully deal with management in the classroom. Additional focus will be on classroom instruction that promotes student achievement, the successful management of time, communication, and record keeping procedures that support and enhance student learning. Additionally, licensure candidates will design a management plan. This course has 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 with a score of 1

### **ED 416 — Sec/K-12 Class Instruct/Mngmnt**

Credit Hours: 2.00

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 has 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 with a score of 1

### **ED 420 — Ed Practices/Assessment**

Credit Hours: 3.00

This course is designed to assist the elementary and 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. 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: admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1

**ED 424 — Elem Ed Practices/Assessment**  
Credit Hours: 2.00

The Teacher Education Preparation 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 has 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 with a score of 1

**ED 426 — Sec/K-12 Ed Practice/Assmnt**  
Credit Hours: 2.00

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 has 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 with a score of 1

**ED 429 — Content Area Literacy**  
Credit Hours: 2.00

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: admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1

**ED 434L — Field Experience Lab — Elem**  
Credit Hours: 3.00

Senior Block component. Labs scheduled three days per week, two 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: admitted to Teacher Education Preparation Program, score of 1 and background check completed with a score of 1

**ED 435 — Student Teaching — Elementary**  
Credit Hours: 1.00 to 15.00

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 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: admitted to Teacher Education Preparation Program, score of 2 and background check completed with a score of 1

**ED 436L — Field Experience Lab — Sec/K-12**  
Credit Hours: 3.00

Senior block component. Labs scheduled three days per week, two 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: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **ED 438L — Field Experience Lab — MA+**

Credit Hours: 2.00

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.

Pre-requisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **ED 445 — Student Teaching — Secondary**

Credit Hours: 1.00 to 15.00

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: admitted to Teacher Education

Preparation Program, score of 2

and background check completed with a score of 1

### **ED 455 — Student Teaching K-12**

Credit Hours: 1.00 to 15.00

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 com-

prehensive 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: admitted to Teacher Education

Preparation Program, score of 2

and background check completed with a score of 1

### **ED 478 — Special Topics — PBL Program**

Credit Hours: 3.00

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 prerequisite 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.

Prerequisites: none

### **ED 478L — Field Experience Lab — PBL**

Credit Hours: 5.00

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.

Prerequisites: none

### **ED 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **ED 479L — Special Topics Lab**

Credit Hours: 1.00 to 6.00

Prerequisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **ED 492 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **ED 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/

study into problems of special interest in the field. By faculty permission and approval of the department chair.  
Prerequisites: none

## English

### **ENG 090 — College Preparatory Writing**

Credit Hours: 3.00

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: ACCUPLACER sentence skills score 0-94

### **ENG 101 — Communication Arts I GT-C01**

Credit Hours: 3.00

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: (ACT reading score of 19 or higher or ACCUPLACER reading score of 080 or higher or REA 090 minimum grade S) and (ACT writing score of 18 or higher or ACCUPLACER writing score of 095 or higher or ENG 090 minimum grade S or passing score on English placement exam)

### **ENG 102 — Communication Arts II GT-C02**

Credit Hours: 3.00

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 an oral presentation, are required.

Prerequisites: ENG 101 minimum grade P, D or T or ACT writing score of 27 or higher

### **ENG 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **ENG 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **ENG 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **ENG 200 — College Writing Review**

Credit Hours: 1.00 to 3.00

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- or T and ENG 102 minimum grade C- or T

### **ENG 203 — Major Themes in Literature GT-AH2**

Credit Hours: 3.00

This course is designed to expose students to a variety of literature and to develop critical thinking, reading, and writing skills.

Prerequisites: ENG 101 minimum grade C- or T

### **ENG 210 — The Study of Literature**

Credit Hours: 3.00

This course covers fundamental literary terms and concepts. Focus on close analyses of texts: tone, symbolism, figurative language, speaker, diction, and syntax. Introduction to literary theories. Mechanics of incorporating primary and secondary sources using MLA style. Development of analytical reading and writing skills. PREREQUISITE TO ALL HIGHER NUMBERED LITERATURE COURSES.

Prerequisites: ENG 102 minimum grade C- or T

### **ENG 225 — Honors English**

Credit Hours: 3.00

For selected students with a high degree of self-motivation.

Prerequisites: none

### **ENG 226 — Basic Grammar & Hist: English**

Credit Hours: 3.00

Fundamentals of English grammar and a brief, non-technical history of the language, including historical perspectives on varieties of contemporary American English. Students will review basic grammatical elements.

Prerequisites: ENG 101 minimum grade C- or T

### **ENG 255 — Women and Drama**

Credit Hours: 3.00

A survey of the history and literature associated with women in theatre. Includes the history of

actual women involved in the evolution of western and eastern theatre traditions as well as drama scripts which deal with the subject of women's issues. Greek through contemporary drama.  
Prerequisites: ENG 210 minimum grade C- or T

**ENG 279 — Special Topics**

Credit Hours: 1.00 to 3.00  
Offered periodically to meet student special interests in the field.  
Prerequisites: none

**ENG 292 — Workshop**

Credit Hours: 1.00 to 6.00  
Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

**ENG 299 — Individual Studies**

Credit Hours: 1.00 to 6.00  
Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.  
Prerequisites: none

**ENG 300 — Interrelations of the Arts**

Credit Hours: 3.00  
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.  
Prerequisites: none

**ENG 303 — Non-Fiction Workshop**

Credit Hours: 4.00 to 5.00  
Prerequisites: none

**ENG 309 — Eng Lit I: Beowulf-Trans Write**

Credit Hours: 3.00  
Historical survey of English literature.  
Prerequisites: ENG 210 minimum grade C- or T

**ENG 310 — Eng Lit: Romantics-Modern**

Credit Hours: 3.00  
Continuing historical survey of English literature.  
Prerequisites: ENG 210 minimum grade C- or T

**ENG 311 — World Literature I**

Credit Hours: 3.00  
Selected masterpieces of world literature from ancient times to 1700. Includes some works from outside the Western tradition.  
Prerequisites: ENG 210 minimum grade C- or T

**ENG 312 — World Literature II**

Credit Hours: 3.00  
Selected masterpieces of world literature from

1700 to the present. Includes some works from outside the Western tradition.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 314 — Adolescent Literature**

Credit Hours: 3.00  
A course designed to acquaint prospective teachers of English with representative literature of adolescence.  
Prerequisites: ENG 210 minimum grade D or T

**ENG 315 — Children's Literature**

Credit Hours: 3.00  
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 210 minimum grade C- or T

**ENG 316 — Methods of Teaching English in Secondary Schools**

Credit Hours: 3.00  
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 strong preparation in upper-division English content courses. Sixty hours of classroom observation required for this class.

Prerequisites: ENG 210 minimum grade C- or T  
ENG 226 minimum grade C- or T  
ED 200 minimum grade C- or T  
and ED 220 minimum grade C- or T  
and admission to the Teacher Education Preparation Program  
or instructor permission

Corequisites: This course must be taken either before or concurrently with other courses designated in the senior block and background check completed with a score of 1  
and admission to the Teacher Education Preparation Program

**ENG 327 — Intro to Creative Writing**

Credit Hours: 3.00  
In this course students will learn various techniques of writing poetry, fiction, and other creative prose forms, to develop aesthetic standards, and to evaluate their writing and that of their classmates according to their standards. The writing process, including strategies for invention and revision, will be emphasized, and ideas for the teaching of creative writing will be presented.  
Prerequisites: none

**ENG 328 — Creative Non-Fiction**

Credit Hours: 3.00

This course covers advanced techniques in nonfiction writing encompassing a variety of styles, forms, and topics, encouraging exploration of the genre's innumerable possibilities while developing the student's personal and critical theories of writing.

Prerequisites: ENG 102 minimum grade C- or T

**ENG 350 — 20th and 21st Century British and Anglophone Literature**

Credit Hours: 3.00

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 210 minimum grade C- or T

**ENG 355 — The Novel**

Credit Hours: 3.00

Selected novels written between the 18th century and the present.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 356 — The Russian Novel**

Credit Hours: 3.00

A study of major Russian novels.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 357 — Introduction to Linguistics**

Credit Hours: 3.00

This course provides a comprehensive introduction to phonetics and phonology, morphology, syntax, and semantics. Additional topics will include first and second language acquisition, language variance, and written language.

Prerequisites: ENG 226 minimum grade C- or T

**ENG 358 — Bible as Literature**

Credit Hours: 3.00

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 210 minimum grade C- or T

**ENG 359 — Mythology**

Credit Hours: 3.00

This course will analyze the sources and uses of classical mythology in Western imaginative literature and artistic expression, explore the variety of mythological texts and authors, and examine the

tradition of critical commentary on the role of mythology in the making of culture.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 363 — Advanced Composition**

Credit Hours: 3.00

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 T

**ENG 365 — Ethnic & Minority Literature**

Credit Hours: 3.00

A study of the literature of Native American, African American, Chicano, and other American ethnic and minority groups.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 375 — Chicano Literature**

Credit Hours: 3.00

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).

Prerequisites: ENG 210 minimum grade C- or T

**ENG 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 385 — Women and Literature**

Credit Hours: 3.00

A survey of literature written by women beginning with Sappho and focusing on the western tradition. An introduction to feminist literary criticism.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 394 — American Literature I**

Credit Hours: 3.00

Pre-Columbian to 1865 survey of American Literature from its native and colonial beginnings through the mid-nineteenth century.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 395 — American Literature II**

Credit Hours: 3.00

Survey of American literature from 1865 to the

present. Thematic emphases include the development of African 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 210 minimum grade C- or T

**ENG 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

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 T

**ENG 403 — Shakespeare**

Credit Hours: 3.00

Combines study of comedies, histories, and tragedies.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 407 — Chaucer**

Credit Hours: 3.00

Concentrates mainly on the Canterbury Tales, but covers other major works as time permits.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 409 — Renaissance Literature**

Credit Hours: 3.00

Survey of Renaissance literature, with emphasis on Milton.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 416 — The Teaching of Writing**

Credit Hours: 3.00

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.

Prerequisites: none

**ENG 425 — English Syntax**

Credit Hours: 3.00

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 T

**ENG 426 — Creative Writing: Poetry**

Credit Hours: 3.00

This course will teach students to 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 12 pages. Prerequisites: ENG 327 minimum grade C- or T

**ENG 427 — Creative Writing: Fiction**

Credit Hours: 3.00

This course will teach students to develop their craft and creativity in the genre of prose fiction (short story and novel) and autobiographical narrative. Students will submit their original writing, read works of published fiction, and critique their own work and the work of their classmates.

Prerequisites: ENG 327 minimum grade C- or T

**ENG 428 — Senior Writing Project**

Credit Hours: 3.00

This course is designed as a capstone for all Creative Writing majors. The content of the course will focus on organization, editing and honoring of a final project in fiction or poetry.

Prerequisites: ENG 210 minimum grade C- or T

and ENG 327 minimum grade C- or T

and ENG 426 minimum grade C- or T

and ENG 427 minimum grade C- or T

**ENG 443 — 20th Century American Novel**

Credit Hours: 3.00

Selected American Novelists 1900 to present.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 450 — Romantic and Victorian Lit**

Credit Hours: 3.00

Selected works of major English writers of the Romantic and Victorian periods.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 458 — Modern Poetry**

Credit Hours: 3.00

Study of modern and contemporary poetry with emphasis on American poets.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 465 — Modern Drama**

Credit Hours: 3.00

Study of representative modern European and American plays.

Prerequisites: ENG 210 minimum grade C- or T

**ENG 470 — Classical Drama**

Credit Hours: 3.00

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.

Prerequisites: ENG 210 minimum grade C- or T



### **ENG 472 — Contemporary Drama**

Credit Hours: 3.00

This course will require students to analyze and discuss contemporary dramas of two types: those which do not necessarily fit the typical genres, structure, 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 American, Latino, etc.).

Prerequisites: ENG 210 minimum grade C- or T

### **ENG 475 — Problems in American Studies**

Credit Hours: 3.00

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 210 minimum grade C- or T

### **ENG 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: ENG 210 minimum grade C- or T

### **ENG 480 — Contemporary Literary Theory**

Credit Hours: 3.00

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 210 minimum grade C- or T

### **ENG 490 — Major Authors**

Credit Hours: 3.00

Study of major figures in fiction, dramatic literature, and poetry. Author(s) will be selected by instructor.

Prerequisites: ENG 210 minimum grade C- or T

### **ENG 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: ENG 210 minimum grade C- or T

### **ENG 495 — Senior Seminar**

Credit Hours: 3.00

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 special-

ization 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 210 minimum grade C- or T

### **ENG 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Environmental Science**

### **ENV 101 — Intro to Environmental Science [GT-SC1]**

Credit Hours: 4.00

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.

Corequisites: ENV 101L

Prerequisites: MATH 099 minimum grade S or T

or MATH 104 minimum grade C- or T

or MATH 106 minimum grade C- or T

or MATH 120 minimum grade C- or T

or ACT math score of 19 or higher

or SAT math score of 440 or higher

or ACCUPLACER math score of 85 or higher

### **ENV 101L - Intro to Environmental Sci Lab**

Credit Hours: 0.00

Corequisites: ENV 101

Prerequisites: none

### **ENV 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Prerequisites: none

### **ENV 179L — Special Topics Lab**

Credit Hours: 0.00

Prerequisites: none

## French

### **FR 103 — Elementary French I**

Credit Hours: 4.00

Covers the principles of pronunciation and essentials of grammar in addition to practice in conversation, composition, and reading.

Prerequisites: none

### **FR 104 — Elementary French II**

Credit Hours: 4.00

Covers the principles of pronunciation and essentials of grammar in addition to practice in conversation, composition, and reading.

Prerequisites: none

### **FR 135 — Begin Conversational French**

Credit Hours: 2.00

Practice in speaking French. Discussion based on cultural topics.

Prerequisites: none

### **FR 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **FR 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **FR 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **FR 201 — Intermediate French I**

Credit Hours: 3.00 to 5.00

Prerequisites: none

### **FR 203 — Intermediate French**

Credit Hours: 3.00

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 or T and FR 104 minimum grade D or T

### **FR 204 — Intermediate French**

Credit Hours: 3.00

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 or T and FR 104 minimum grade D or T

### **FR 235 — Continuing Conv. French**

Credit Hours: 2.00

Practice in speaking French. Discussion based on cultural topics.

Prerequisites: FR 135 minimum grade D or T

### **FR 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **FR 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **FR 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **FR 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **FR 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **FR 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **FR 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **FR 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **FR 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Geography**

### **GEOG 101 — Introduction to Physical Geography**

Credit Hours: 4.00

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.

Prerequisites: none

### **GEOG 201 — Introduction to Cartography and GIS**

Credit Hours: 3.00

This course is a broad introduction to mapping sciences and arts, with an emphasis on the theory and practice of cartography. The objective is to help students develop the faculty to think critically about cartographic processes and representations as well as develop their skills in creating maps. Geographic Information Systems (GIS) will be introduced as a multi-disciplinary tool that builds on the fundamentals of cartography. Course includes two combined lecture and laboratory sessions per week.

Prerequisites: Satisfaction of the Technology Proficiency requirement

### **GEOG 212 — Nat Res Mgt on Public Lands**

Credit Hours: 3.00

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, range-

lands, national parks, and wildlife on public lands are discussed.

Prerequisites: GEOG 101 minimum grade C- or T

### **GEOG 215 — Cultural Geography of Lat Am**

Credit Hours: 3.00

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.

Prerequisites: none

### **GEOG 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Natural history of national parks.

Prerequisites: none

### **GEOG 300 — World Geography**

Credit Hours: 3.00

A study of historical, political, economic, and demographic aspects of world geography emphasizing the role of geography in the development of nations. This course will fulfill the Colorado Department of Teacher Education requirement in geography for social studies licensure.

Prerequisites: none

### **GEOG 307 — Biogeography**

Credit Hours: 3.00

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 T

### **GEOG 311 — Climatology**

Credit Hours: 4.00

This course examines the global patterns of climate and the processes that shape them. Particular attention is given to climate change mechanisms (past and 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 T

### **GEOG 330 — Nature and Properties of Soils**

Credit Hours: 4.00

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, meth-

ods 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 T and GEOL 101 minimum grade C- or T and GEOL 111 minimum grade C- or T

### **GEOG 411 — Mountain Geography**

Credit Hours: 3.00

This class focuses on the physical science of mountains, including the origin of mountains as well as the climatic, geomorphic, and ecological processes and patterns found in mountain environments.

The impact of mountains on human settlement and activities are discussed, as well as how humans have impacted mountain environments.

Prerequisites: GEOG 101 minimum grade C- or T and GEOL 111 minimum grade C- or T and GEOG 307 or GEOG 311 or GEOG 321 minimum grade C- or T

### **GEOG 420 — Remote Sensing**

Credit Hours: 4.00

The course considers acquisition and interpretation remote sensed environmental data, theory and sensors, and manual and computerized interpretation methods.

Prerequisites: GEOG 101 minimum grade C- or T or GEOL 111 minimum grade C- or T and GEOG 201 minimum grade C- or T

### **GEOG 421 — Glacial and Periglacial Geog**

Credit Hours: 3.00

This course will examine geomorphological aspects of the cryosphere, giving emphasis to the study of landforms and sediments created by ice sheets and periglacial processes both past and present. Where relevant, the applied aspects of glacial and periglacial geomorphology will be given specific attention.

Prerequisites: GEOG 311 minimum grade C- or T and GEOG 321 minimum grade C- or T

### **GEOG 440 — Senior Capstone in Geography**

Credit Hours: 2.00

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.

Prerequisites: Minimum 10 credit hours 300- or 400-level GEOG coursework minimum grade C- or T

### **GEOG/GEOL 460 — Special Topics: Geography and Geology of World Regions Seminar**

Credit Hours: 1.00

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.

Prerequisites: Completion of at least one upper-division GEOG or GEOL course with a grade of C or better.

### **GEOG 462 — Geography of World Regions**

Credit Hours: 3.00

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, Newfoundland, and Japan.

Prerequisites: GEOG 460 minimum grade C- or T

## **Geology**

### **GEOL 111 — Physical Geology GT-SC**

Credit Hours: 4.00

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 of 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., READ 090, ENG 090, MATH 095, or MATH 097) or having a math ACT score of less than 19 may not enroll in Physical Geology.

Prerequisites: none

### **GEOL 112 — Earth History**

Credit Hours: 4.00

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 T

### **GEOL 121 — Field Study I**

Credit Hours: 1.00

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 T

### **GEOL 122 — Field Study II**

Credit Hours: 1.00

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 T

### **GEOL 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **GEOL 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **GEOL 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

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 T

### **GEOL 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **GEOL 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **GEOL 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

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 T

### **GEOL 321 — Geomorphology w/Env Applic**

Credit Hours: 4.00

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 T

### **GEOL 331 — Mineralogy**

Credit Hours: 4.00

Systematic identification of natural minerals and gemstones utilizing their physical and crystallographic characteristics. Offered fall semester of odd numbered years.

Prerequisites: GEOL 111 minimum grade C- or T

### **GEOL 332 — Optical Mineralogy**

Credit Hours: 1.00

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.

Prerequisites: GEOL 331 minimum grade C- or T or concurrent registration

### **GEOL 334 — Igneous/Metamorphic Petrology**

Credit Hours: 4.00

The study of the occurrence and origin of igneous, sedimentary and metamorphic rock. Laboratory exercises will emphasize the petrographic analysis of hand-samples. Course includes field trips. Offered spring semester of odd-number years. GEOL 334 is a complimentary course with GEOL 343 Sedimentology and Stratigraphy.

Prerequisites: GEOL 331 minimum grade C- or T

### **GEOL 336 — Optical Petrology**

Credit Hours: 1.00

The laboratory study of the occurrence and origin of igneous, sedimentary and metamorphic rock using a petrographic microscope. Laboratory exercises will emphasize the petrographic analysis of thin sections. Companion laboratory to Petrology (GEOL 334) for B.S. Geology students. Course includes field trips. Offered spring semesters of odd-number years.

Corequisites: GEOL 334

Prerequisites: GEOL 331 minimum grade C- or T and GEOL 332 minimum grade C- or T

### **GEOL 340 — Intro to Hydrogeology**

Credit Hours: 4.00

Dynamics of the groundwater system and its relationship with surface water systems of rivers, lakes, and oceans. Offered fall semester of even-numbered years.

Prerequisites: MATH 106 minimum grade C- or T and GEOL 111 minimum grade C- or T

### **GEOL 343 — Sedimentology & Stratigraphy**

Credit Hours: 4.00

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. Offered fall semester of odd-numbered years. GEOL 343 is complimentary to GEOL 334 Igneous and Metamorphic Petrology.

Prerequisites: GEOL 112 minimum grade C- or T

### **GEOL 350 — Geologic Excurs/Texas Region**

Credit Hours: 2.00

A field trip of approximately one week, generally during spring break every third year, to the Texas region of the western U.S. Each field excursion may be taken only once for credit. An additional fee is required. Course offering is subject to faculty availability.

Prerequisites: GEOL 112 minimum grade C- or T

### **GEOL 351 — Geol Excursion/Arizona Region**

Credit Hours: 2.00

A field trip of approximately one week, generally during spring break every third year, to the Arizona region of the western U.S. Each field excursion may be taken only once for credit. An additional fee is required. Course offering is subject to faculty availability.

Prerequisites: GEOL 112 minimum grade C- or T

### **GEOL 352 — Geol Excursion/Utah Region**

Credit Hours: 2.00

A field trip of approximately one week, generally during spring break every third year, to the Utah region of the western U.S. Each field excursion may be taken only once for credit. An additional fee is required. Course offering is subject to faculty availability.

Prerequisites: GEOL 112 minimum grade C- or T

### **GEOL 371 — Structural Geology**

Credit Hours: 4.00

Recognition, representation, and significance of geologic structures of the earth's crust. Course includes occasional required field trips. Offered fall semester of even-numbered academic years.

Prerequisites: GEOL 111 minimum grade C- or T

### **GEOL 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **GEOL 388 — Problems in Geology**

Credit Hours: 1.00 or 2.00

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.

Prerequisites: none

### **GEOL 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **GEOL 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **GEOL 433 — Environmental Geochemical Modeling**

Credit Hours: 3.00

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. Offered spring semester of odd-numbered years.

Prerequisites: GEOL 111 minimum grade C- or T

and CHEM 131 minimum grade C- or T

and CHEM 132 minimum grade C- or T

### **GEOL 446 — Field Methods**

Credit Hours: 2.00

Techniques and concepts of basic geologic field mapping and section measuring including the use of traditional and modern digital equipment, methods, and techniques. Offered spring semester of even-numbered years.

Prerequisites: GEOL 371 minimum grade C- or T

and GEOL 350 minimum grade C- or T

or GEOL 351 minimum grade C- or T

or GEOL 352 minimum grade C- or T

### **GEOL 460 — Geol of World Regions Seminars**

Credit Hours: 1.00

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.

Prerequisites: Completion of at least one upper-division GEOL course with a grade of C or better.

### **GEOL 462 — Geology of World Regions**

Credit Hours: 3.00

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 place on understanding the structural geology, tectonic landscape, surficial processes, and human-environment interactions of the region. Students will gain an intimate knowledge of world region, landscapes, and cultures. Examples of world regions include the Northern Alps, Iceland, Great Britain and Newfoundland, and Japan.

Prerequisites: GEOL 460 minimum grade C or T

### **GEOL 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **GEOL 488 — Problems in Geology**

Credit Hours: 1.00 or 2.00

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.

Prerequisites: none

### **GEOL 492 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **GEOL 495 — Field Geology**

Credit Hours: 6.00

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. Offered spring semester of even-numbered years.

Prerequisites: GEOL 446 minimum grade C- or T

### **GEOL 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Government**

### **GOVT 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **GOVT 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **GOVT 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **GOVT 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **GOVT 291 — American Government [GT-SS1]**

Credit Hours: 3.00

This course examines American government and politics, including the Constitution, Congress, presidency, courts, public opinion, voting, socialization, civil rights and liberties, and public policy

Prerequisites: none

**GOVT 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**GOVT 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**GOVT 300 — Introduction to World Politics**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 301 — Chang Dynamics/Int'l Relations**

Credit Hours: 3.00

This course is intended to supplement GOVT 300 but can stand on its own. It introduces students to specific topics in the international arena.

Prerequisites: none

**GOVT 303 — Current Political Issues**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 304 — The Presidency**

Credit Hours: 3.00

This course examines the American presidency and presidents throughout history. The approach taken is to study presidents chronologically and thematically with a focus on the development of the presidency, growth in presidential powers, relations with other branches of government, presidential selection, public policy, and constitutional issues. Extended Studies offering only.

Prerequisites: none

**GOVT 305 — Religion & Politics in the U.S.**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 306 — Elections and Voting Behavior**

Credit Hours: 3.00

This course is the study of political parties, elections, campaigns, and voting behavior in the United States.

Prerequisites: none

**GOVT 307 — Intro to World Governments**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 308 — Pacific Rim/21st Century World**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 310 — Federalism and State Politics**

Credit Hours: 3.00

This course examines American federalism and state and local politics. The approach taken is comparative and considers variations among the American states with regard to constitutions, policies, state governments, political culture, and politics. Extended Studies offering only.

Prerequisites: none

**GOVT 325 — Political Mvmnts/Latin America**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 358 — Public Opinion and Socialization**

Credit Hours: 3.00

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.

Prerequisites: none



**GOVT 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**GOVT 385 — Politics and Media**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 392 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**GOVT 393 — Women, Politics, and Culture**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 399 — Individual Studies**

Credit Hours: 1.00 to 9.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**GOVT 429 — Constitutional Law and Criminal Justice**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 430 — Constitutional Law: Civil Liberties**

Credit Hours: 3.00

This course examines Supreme Court decisions and doctrine in areas such as speech, assembly, re-

ligion, privacy, press, civil rights and election law.

Prerequisites: none

**GOVT 431 — Constitutional Law: Governmental Powers**

Credit Hours: 3.00

This course examines constitutional issues and Supreme Court decisions in areas of law such as separation of powers, federalism, the Commerce Clause, the power to tax, contracts, the Takings Clause, and the powers of courts, Congress, and the presidency. Extended Studies offering only.

Prerequisites: none

**GOVT 436 — American Thought**

Credit Hours: 3.00

The historical, philosophical, and literary ideas that have influenced American life and thought. Same as HIST 436 and PHIL 436.)

Prerequisites: none

**GOVT 450 — Congress/Presidency/Public Policy**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 460 — Pre-Law Studies Seminar**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 466 — Ancient Political Theory**

Credit Hours: 3.00

This course is of interest to history/government students who want a better understanding of ancient philosophy and its relationship to political thought.

Prerequisites: none

**GOVT 467 — Modern Political Theory**

Credit Hours: 3.00

This course is of interest to history/government students who want a better understanding of modern philosophy and its relationship to political thought.

Prerequisites: none

**GOVT 468 — U S/Latin American Relations**

Credit Hours: 3.00

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.

Prerequisites: none

**GOVT 470 — Readings**

Credit Hours: 3.00

Through directed reading around a topic, this course permits students to explore fundamental questions in the field of political science.

Prerequisites: none

**GOVT 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**GOVT 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**GOVT 499 — Individual Studies**

Credit Hours: 1.00 to 15.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Health Care Administration

**HCA 179 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**HCA 279 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**HCA 303 — Health Care Administration**

Credit Hours: 3.00

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 where 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 responsible behavior and recognize the basic forms of ethical dilemmas. In 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: none

**HCA 305 — Health Care Marketing**

Credit Hours: 3.00

This course involves 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- or T and HCA 303 minimum grade C- or T or instructor permission

**HCA 311 — Health Care Law & Ethics**

Credit Hours: 3.00

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.

Prerequisites: BUS 211 minimum grade C- or T and HCA 303 minimum grade C- or T or instructor permission

**HCA 312 — Health Care Medical Terminology**

Credit Hours: 2.00

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.  
Prerequisites: none

### **HCA 325 — Health Care Information Systems**

Credit Hours: 3.00

A study of record keeping practices in the hospital and physician's office. Emphasis is placed on 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.

Prerequisites: BUS 120 minimum grade C- or T and HCA 303 minimum grade C- or T or instructor permission

### **HCA 363 — Health Care Finance**

Credit Hours: 3.00

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 application 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: instructor permission or BUS 207 minimum grade C- or T and HCA 303 minimum grade C- or T

### **HCA 379 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HCA 381 — Health Care Administration Internship**

Credit Hours: 3.00

The Health Administration Internship provides 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 T

### **HCA 402 — Epidemiology**

Credit Hours: 3.00

This course consists of an examination of epidemiological concepts and methods of studying the distribution and determinants of morbidity and mortality in human populations. The knowledge and skills acquired should enable one to understand and critically review scientific literature dealing with epidemiologic concepts and measures.

Prerequisites: instructor permission or BUS 318 minimum grade C- or T and HCA 303 minimum grade C- or T

### **HCA 455 — Health Care Economics**

Credit Hours: 3.00

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 economic 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.

Prerequisites: instructor permission or ECON 255 minimum grade C- or T and ECON 256 minimum grade C- or T and HCA 303 minimum grade C- or T

### **HCA 462 — Quality Management in Health Care**

Credit Hours: 3.00

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.

Prerequisites: instructor permission or BUS 318 minimum grade C- or T and BUS 361 minimum grade C- or T and HCA 303 minimum grade C- or T

### **HCA 479 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HCA 480 — Health Care Policy**

Credit Hours: 3.00

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 policymaking process and debates related major U.S. health care legislations.

Prerequisites: HCA 303 minimum grade C- or T and HCA 305 minimum grade C- or T and HCA 363 minimum grade C- or T

## **History, Government, Philosophy**

### **HGP 110 — Development of Civ GT-HII**

Credit Hours: 3.00

A study of Western and Eastern civilizations from their Neolithic origins to 1500, with emphasis on cultural and institutional developments.

Prerequisites: none

### **HGP 111 — Development of Civ GT-HII**

Credit Hours: 3.00

A study of Western and Eastern civilizations from 1500 to the present, with emphasis on cultural and institutional developments.

Prerequisites: none

### **HGP 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HGP 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HGP 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field.

By faculty permission and approval of the department chair.

Prerequisites: none

### **HGP 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HGP 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HGP 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **HGP 316 — Methods of Teaching Soc Studies**

Credit Hours: 3.00

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 T and ED 220 minimum grade C- or T and sophomore standing

### **HGP 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HGP 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HGP 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **HGP 471 — Senior Seminar**

Credit Hours: 3.00

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 departmental 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. Prerequisites: none

### **HGP 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HGP 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HGP 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **History**

### **HIST 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HIST 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HIST 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the

department chair.

Prerequisites: none

### **HIST 202 — American History to 1865 [GT-HI1]**

Credit Hours: 3.00

A chronological examination of American problems and progress.

Prerequisites: none

### **HIST 203 — Amer History 1865 to Present [GT-HI1]**

Credit Hours: 3.00

A chronological examination of American problems and progress.

Prerequisites: none

### **HIST 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HIST 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HIST 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **HIST 301 — Colorado History**

Credit Hours: 3.00

The development of Colorado from prehistoric times to the present.

Prerequisites: none

### **HIST 305 — The American West**

Credit Hours: 3.00

Historical survey of the Indian-, Hispanic- and English-speaking groups of the West. Emphasis is on the frontier period.

Prerequisites: none

### **HIST 314 — Colonial America**

Credit Hours: 3.00

An examination of the development of Europe's North American colonies from their planting to the eve of the American Revolution.

Prerequisites: none

**HIST 316 — Amer Revol & Federalist Era**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 318 — Foundations of Amer Diplomacy**

Credit Hours: 3.00

An examination of the United States' relations with other nations from the American Revolution to the end of the 19th century.

Prerequisites: none

**HIST 320 — History of American Women**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 322 — The Gilded Age/Progressive Era**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 328 — Chicano History**

Credit Hours: 3.00

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 the present, with particular attention given to the San Luis Valley.

Prerequisites: none

**HIST 342 — England**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 345 — History of Germany**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 350 — History of Sport in America**

Credit Hours: 3.00

This course covers the development of sports and their significance in American life from colonial period to present. It is designed both to supplement the student's understanding of American History and to examine the role that sports has 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.

Prerequisites: none

**HIST 355 — Latin America to 1830**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 356 — Latin America Since 1830**

Credit Hours: 3.00

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.

Prerequisites: none

**HIST 357 — Mexico**

Credit Hours: 3.00

Historical survey of the social, intellectual, and political developments from the conquest to the present.

Prerequisites: none

### **HIST 360 — History of Italy**

Credit Hours: 3.00

A survey of the history of the Italian people from pre-Roman times to Italy's 21st century in the European Union.

Prerequisites: none

### **HIST 363 — Civil War & Reconstruction**

Credit Hours: 3.00

A study of the ante-bellum South, sectional discord, armed conflict, and reconstruction of the union.

Prerequisites: none

### **HIST 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HIST 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HIST 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **HIST 426 — US in the Era of World Wars**

Credit Hours: 3.00

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.

Prerequisites: none

### **HIST 427 — US History Since 1950**

Credit Hours: 3.00

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.

Prerequisites: none

### **HIST 432 — Nineteenth Century Europe**

Credit Hours: 3.00

A study of the major ideas of the 19th century

such as liberalism, nationalism, socialism, and the actions and consequences resulting from those ideas.

Prerequisites: none

### **HIST 433 — Modern Europe**

Credit Hours: 3.00

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.

Prerequisites: none

### **HIST 434 — Twentieth Century Europe**

Credit Hours: 3.00

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.

Prerequisites: none

### **HIST 436 — American Thought**

Credit Hours: 3.00

The historical, philosophical, and literary ideas that have influenced American life and thought. Same as GOVT 436 and PHIL 436.

Prerequisites: none

### **HIST 470 — Readings in History**

Credit Hours: 3.00

Through directed readings around a topic, this course permits students to explore fundamental questions concerning history or historiography.

Prerequisites: none

### **HIST 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HIST 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HIST 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Human Performance and Physical Education**

### **HPPE 100 — Foundations of Physical Education**

Credit Hours: 2.00

Acquaints freshman major and minors with the origin, scope, development, and purposes of human performance and physical education.

Prerequisites: none

### **HPPE 105 — Beginning Swimming**

Credit Hours: 1.00

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, basic strokes of swimming, and water games and activities appropriate for K–12 students.

Prerequisites: none

### **HPPE 120 — Concepts in Wellness**

Credit Hours: 2.00

This course is designed to introduce the student to healthy, active lifestyles. Students will learn the vital connection between fitness and health, gain knowledge and the benefits of exercise and be provided a rational basis for choosing a healthy, active lifestyle.

Prerequisites: none

### **HPPE 130 — Teaching Ind/Dual Activities**

Credit Hours: 3.00

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.

Prerequisites: none

### **HPPE 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HPPE 192 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HPPE 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/ study into problems of special interest in the field.

By faculty permission and approval of the department chair.

Prerequisites: none

### **HPPE 209 — Care/Prevention Athletic Injuries**

Credit Hours: 2.00

Understanding the care and prevention of athletic injuries, including the evaluation, nature, types, and functions of various rehabilitation programs.

Prerequisites: none

### **HPPE 230 — Teaching Team Activities**

Credit Hours: 3.00

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.

Prerequisites: none

### **HPPE 245 — Athletic Training Practicum I**

Credit Hours: 1.00

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 T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T) and HPPE 209 minimum grade C- or T and HPPE 247 minimum grade C- or T

### **HPPE 246 — Athletic Training Practicum II**

Credit Hours: 1.00

To provide field experience with fall sports in applying learned proficiencies and principles of athletic training. Students will be assigned to an ASC 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 preseason, 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 T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T) and HPPE 209 minimum grade C- or T and HPPE 247 minimum grade C- or T

### **HPPE 247 — First Aid, CPR & AED Training**

Credit Hours: 2.00

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, Professional Rescuer, Automated External Defibrillator and Oxygen Administration upon successful skill completion.

Prerequisites: none

### **HPPE 249 — Sports Writing & Statistics**

Credit Hours: 1.00 to 2.00

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.

Prerequisites: none

### **HPPE 260 — Tests and Measurements in PE**

Credit Hours: 3.00

This course is designed to introduce students to the theories of measurement in health and physical education and the interpretation of test results by fundamental statistical procedures.

Prerequisites: none

### **HPPE 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student interests in the field.

Prerequisites: none

### **HPPE 292 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HPPE 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **HPPE 300 — Promote a Healthy Environment**

Credit Hours: 3.00

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: background check completed with a score of 1

### **HPPE 301 — Sport & Fitness Nutrition**

Credit Hours: 3.00

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 T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T) and HPPE 329 minimum grade C- or T

### **HPPE 310 — Dance Fundamentals K-12**

Credit Hours: 2.00

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.

Prerequisites: none

### **HPPE 311 — Methods of Teaching Health Ed**

Credit Hours: 3.00

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: ED 200 minimum grade C- or T and background check completed with a score of 1  
Pre- or corequisite: ED 220 minimum grade C- or T

### **HPPE 314 — Health Promotion**

Credit Hours: 3.00

This course examines the factors that influence a healthy society: heredity, environment, health care services, and lifestyle choices.

Prerequisites: none

### **HPPE 315 — Physical Education in Elementary School**

Credit Hours: 3.00

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 an organized experience in a public school. This course is a corequisite to HPPE 317—Physical Education in Secondary

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: HPPE 310 minimum grade C- or T and HPPE 341 minimum grade C- or T and ED 200 minimum grade C- or T and ED 220 minimum grade C- or T and background check completed with a score of 1 and admission to the Teacher Education Preparation Program and minimum cumulative GPA of 2.75  
Corequisites: HPPE 317 and HPPE 318

### **HPPE 317 — Physical Education in Secondary School**

Credit Hours: 3.00

This course is designed to provide pre-professional physical education students with the appropriate material needed to develop 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: HPPE 130 minimum grade C- or T and HPPE 230 minimum grade C- or T and ED 200 minimum grade C- or T and ED 220 minimum grade C- or T and background check completed with a score of 1 and admission to the Teacher Education Preparation Program and minimum cumulative GPA of 2.75  
Corequisites: HPPE 315 and HPPE 318

### **HPPE 318 — Field-Based Physical Education Lab**

Credit Hours: 1.00

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 in an organized experience in K-12 public school settings.

Prerequisites: HPPE 130 minimum grade C- or T and HPPE 230 minimum grade C- or T and HPPE 310 minimum grade C- or T and HPPE 341 minimum grade C- or T and ED 200 minimum grade C- or T and ED 220 minimum grade C- or T and background check completed with a score of 1

and admission to the Teacher Education Preparation Program and minimum cumulative GPA of 2.75  
Corequisites: HPPE 315 and HPPE 317

### **HPPE 320 — Tech/Coach Offic Basketball**

Credit Hours: 3.00

Basketball. Coaching and training of athletic teams. Special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of individual skills and play. A study and practicum of the rules and mechanics of officiating basketball.

Prerequisites: none

### **HPPE 321 — Tech/Coach Offic Football**

Credit Hours: 3.00

Football. Coaching and training of athletic teams. Special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of individual skills and play. A study and practicum of the rules and mechanics of officiating football.

Prerequisites: none

### **HPPE 323 — Tech/Coach Offic Softball**

Credit Hours: 3.00

Softball. Coaching and training of athletic teams. Special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of individual skills and play. A study and practicum of the rules and mechanics of officiating softball.

Prerequisites: none

### **HPPE 324 — Tech/Coach Offic Track & Field**

Credit Hours: 3.00

Track and Field. Coaching and training of athletic teams. Special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of individual skills and play. A study and practicum of the rules and mechanics of officiating track and field.

Prerequisites: none

### **HPPE 325 — Tech/Coach Offic Volleyball**

Credit Hours: 3.00

Volleyball. Coaching and training of athletic teams. Special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of individual skills and play. A study and practicum of the rules and mechanics of officiating volleyball.

Prerequisites: none

### **HPPE 326 — Tech/Coach Offic Wrestling**

Credit Hours: 3.00

Wrestling. Coaching and training of athletic teams. Special emphasis on recent trends and systems, offensive and defensive play, and fundamentals of

individual skills and play. A study and practicum of the rules and mechanics of officiating wrestling.

Prerequisites: none

### **HPPE 327 — Tech/Coach Strength Cond**

Credit Hours: 3.00

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 and training procedures.

Prerequisites: HPPE 329 minimum grade C- or T

### **HPPE 328 — Tech/Coach Offic Soccer**

Credit Hours: 3.00

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.

Prerequisites: none

### **HPPE 329 — Exercise Physiology**

Credit Hours: 3.00

Introduction and overview of the physiological basis of physical education 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 T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T)

### **HPPE 340 — Kinesiology**

Credit Hours: 3.00

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 T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T) and HPPE 329 minimum grade C- or T

### **HPPE 341 — Human Motor Development**

Credit Hours: 3.00

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 T

### **HPPE 350 — Methods of Coaching**

Credit Hours: 3.00

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.

Prerequisites: none

### **HPPE 369 — Motor Learning and Control**

Credit Hours: 3.00

The purpose of the class is to provide students with a scientific foundation regarding how motor skills are learned and 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 T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T)

### **HPPE 379 — Special Topics**

Credit Hours: 1.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **HPPE 392 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HPPE 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**HPPE 422 — Exercise Evaluation & Fitness Management**

Credit Hours: 3.00

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- or T and HPPE 340 minimum grade C- or T

**HPPE 436 — Sport and Exercise Psychology**

Credit Hours: 3.00

A study of the psychological aspects of sport and exercise and the implications for effective teaching and coaching related to this knowledge.

Prerequisites: none

**HPPE 438 — Soc Aspects of Sports and PE**

Credit Hours: 3.00

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.

Prerequisites: none

**HPPE 440 — Organization/Admin of PE**

Credit Hours: 3.00

This is a course in organization and administration. This course offers a solid foundation of management concepts, skills and techniques, so that students can 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.

Prerequisites: none

**HPPE 448 — Adapted Physical Activity**

Credit Hours: 3.00

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: HPPE 341 minimum grade C- or T and BIOL 112 minimum grade C- or T or (BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T) and background check completed with a score of 1

**HPPE 450 — Senior Seminar in HPPE**

Credit Hours: 2.00

This course is designed as a culminating experience for HPPE majors and is a core requirement for all majors. The focus will be on integrating prior coursework content knowledge into practical applications and further professional development with particular reference to the career aspiration of the students. A service learning experience along with a professional portfolio and reflective journal will be required for all students.

Prerequisites: Senior status

and completion of all core courses except HPPE 450 and background check completed with a score of 1 for students working with area school children

**HPPE 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**HPPE 480 — Coaching Practicum**

Credit Hours: 3.00

A structured practical experience in which the student actually assists a qualified coaching professional. Students who expect to achieve teacher certification and who will be working in the public schools must have taken the PLACE Exam prior to the practicum assignment.

Prerequisites: HPPE 350 minimum grade C- or T and minimum 10 credits in coaching minor core

**HPPE 485 — Sports Management Practicum**

Credit Hours: 3.00

This practicum is designed to provide the student with actual fieldwork experiences in sport and exercise management. It will give students the opportunity to work with actual clients thus enhancing and expanding the skills developed during their undergraduate program.

Prerequisites: HPPE 422 minimum grade C- or T

**HPPE 486 — Sport Psychology Practicum**

Credit Hours: 3.00

This practicum is designed to provide the student with actual fieldwork experiences in sport and exercise psychology. It will give students the opportunity to work with actual client/athletes, thus

enhancing and expanding the skills developed during their undergraduate program  
Prerequisites: HPPE 327 minimum grade C- or T or HPPE 422 minimum grade C- or T and HPPE 350 minimum grade C- or T and HPPE 436 minimum grade C- or T

### **HPPE 487 — Sports Studies Practicum**

Credit Hours: 3.00

This practicum is designed to provide students with fieldwork experiences in the area of sports studies. It will give students the opportunity to work in sport-related business environments thus enhancing and expanding the skills developed during their undergraduate program.

Prerequisites: HPPE 100 minimum grade C- or T

### **HPPE 492 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **HPPE 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Interdisciplinary Studies**

### **ID 100 — First-Year Seminar**

Credit Hours: 3.00

An introduction to the goals and values of a liberal arts education. Focus on learning for its own sake, learning in community, and life-long learning. Emphasis on critical thinking and reading, analytic writing, and discussions based on readings and co-curricular experiences (e.g., films, lectures, exhibitions, etc.). ID 100 sections feature a variety of themes but share a common set of objectives.

Prerequisites: none

### **ID 110 — Connections**

Credit Hours: 1.00

This course is the first in a two-part series intended to help students transition into college life. Topics covered include time management, academic etiquette, study skills, a liberal arts education, financial aid, ethics, campus diversity, student life, sexual responsibility, and drug/alcohol awareness.

Prerequisites: none

### **ID 111 — LINCS**

Credit Hours: 1.00

This course, designed as a follow-up to the ID 110 — Connections class, will help students obtain a realistic idea of where they want and need to be academically as well as personally to succeed in college. The course will focus on personal academic development through in-depth discussion about strategies for success, focusing on personal reflection on the topics and application of the strategies covered. ID 110 — Connections is recommended.

Prerequisites: none

### **ID 150 — CHAMPS/Life Skills**

Credit Hours: 2.00

CHAMPS/Life Skills reflects the nature and personality of the campus environment, its department of athletics, and the unique needs of its student-athletes. This course is required for ALL student-athletes by the NCAA. ASC Grizzly Athletics requires that this course be taken in a student-athlete's first two semesters of attendance at ASC.

Prerequisites: none

### **ID 179 — Selected Topics**

Credit Hours: 0.50 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **ID 279 — Selected Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **ID 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **ID 299 — Individual Study**

Credit Hours: 1.00 to 16.00

Provides opportunity for individual research/study into problems of special interests in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **ID 379 — Selected Topics**

Credit Hours: 1.00 to 4.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**ID 392 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**ID 399 — Independent Study**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**ID 479 — Selected Topics**

Credit Hours: 1.00 to 4.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**ID 492 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**ID 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Japanese

**JAPN 103 — Beginning Japanese**

Credit Hours: 3.00

This course will cover fundamental principles of the Japanese language, including pronunciation, basic grammar and vocabulary, and kana (katakana &amp; hiragana) writing. The course will also introduce students to Japanese culture, including calligraphy.

Prerequisites: none

**JAPN 104 — Intermediate Japanese**

Credit Hours: 3.00

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 and kan-ji).

Prerequisites: JAPN 103 minimum grade D or T

**JAPN 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**JAPN 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**JAPN 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interest in the field.

Prerequisites: none

**JAPN 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**JAPN 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interest in the field.

Prerequisites: none

**JAPN 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Journalism

**JOUR 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**JOUR 192 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**JOUR 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**JOUR 255 — The Media and America**

Credit Hours: 3.00

The history of the news media in the United States relates journalism to the political, economic, and social development of America. Instructor permission must be obtained if prerequisite has not been met.

Prerequisites: ENG 102 minimum grade C- or T

**JOUR 275 — Basic Media Writing**

Credit Hours: 3.00

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 must be obtained if prerequisite has not been met.

Prerequisites: ENG 102 minimum grade C- or T

**JOUR 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interest in the field.

Prerequisites: none

**JOUR 285 — Radio Broadcasting**

Credit Hours: 3.00

This is a course in producing radio news, public service announcements and underwriting. Other aspects of programming will be included.

Prerequisites: JOUR 275 minimum grade C- or T

**JOUR 290 — Radio Practicum**

Credit Hours: 1.00 to 3.00

Students earn one credit hour for every three hours of work weekly on *KASF-FM* or its web site. See station manager for details.

Prerequisites: JOUR 285 minimum grade C- or T

**JOUR 292 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**JOUR 297 — Newspaper Practicum**

Credit Hours: 1.00 to 3.00

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.

Prerequisites: JOUR 275 minimum grade C- or T

**JOUR 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**JOUR 327 — World Wide Web**

Credit Hours: 3.00

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 must be obtained if the prerequisite has not been met.

Prerequisites: JOUR 275 minimum grade C- or T

**JOUR 340 — Advanced Media Writing**

Credit Hours: 3.00

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: ENG 102 minimum grade C- or T and JOUR 255 minimum grade C- or T and JOUR 275 minimum grade C- or T

**JOUR 346 — Photojournalism**

Credit Hours: 3.00

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 T

**JOUR 350 — Media Theory and Criticism**

Credit Hours: 3.00

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 Littmann, 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 T

### **JOUR 360 — Media Management**

Credit Hours: 3.00

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 T

### **JOUR 370 — Newspaper and Magazine Editing**

Credit Hours: 3.00

Students use computer desktop publishing software to edit, write headlines, scan photos, and design pages for newspaper and magazine publications. The course 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 T

### **JOUR 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **JOUR 385 — Video Production I**

Credit Hours: 3.00

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: JOUR 275 minimum grade C- or T

### **JOUR 390 — Advanced Radio Practicum**

Credit Hours: 1.00 to 3.00

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 T

### **JOUR 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **JOUR 397 — Advanced Newspaper Practicum**

Credit Hours: 1.00 to 3.00

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 at least three credits of JOUR 297 in order to enroll.

Prerequisites: JOUR 275 minimum grade C- or T and JOUR 297 minimum grade C- or T

### **JOUR 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **JOUR 425 — Mass Communication Research Methods**

Credit Hours: 3.00

This course focuses on quantitative and qualitative methods of researching for both journalists and those interested in scholarly mass communication research.

Prerequisites: ENG 102 minimum grade C- or T and JOUR 255 minimum grade C- or T and JOUR 275 minimum grade C- or T

### **JOUR 457 — Media Law & Ethics**

Credit Hours: 3.00

Explores timely controversies that involve the journalist in a society where media ethics are constantly questioned by the public.

Prerequisites: none

### **JOUR 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **JOUR 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **JOUR 495 — Communication Senior Capstone**

Credit Hours: 3.00

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. Prerequisites: junior or senior standing

### **JOUR 496 — Communication Internship**

Credit Hours: 3.00

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 T

### **JOUR 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Library Science**

### **LS 225 — Research Skills/Behavior Sci**

Credit Hours: 1.00

In this one-credit course, sociology and psychology majors will learn how to evaluate 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.

Prerequisites: none

### **LS 251 — Information Literacy**

Credit Hours: 2.00

In this ten-week course, students will find, evaluate and use a variety of print and electronic sources located in and beyond the ASC Library. Building resource lists for the academic or professional work is the emphasis of the class.

Prerequisites: none

### **LS 392 — Workshops**

Credit Hours: 0.50 to 6.00

Prerequisites: none

### **LS 451 — Information Literacy**

Credit Hours: 2.00

In this ten-week course, students will find,

evaluate and use a variety of print and electronic sources located in and beyond the Adams State Library. Building resource lists for academic or professional work is the emphasis of the class.

Prerequisites: none

## **Mathematics**

### **MATH 095 — Pre-Algebra Skills**

Credit Hours: 3.00

Numeration, operations on whole numbers, factoring, prime numbers, arithmetic operations, decimal numerals, percent, measures, ratio and proportion, and averages. Course is graded S/U and does not provide degree credit.

Prerequisites: none

### **MATH 097 — Basic Algebra Skills**

Credit Hours: 3.00

Numbers of ordinary arithmetic and their properties, integers and rational numbers, solutions of equations, polynomials, graphs, polynomials in several variables, fractional expressions, radical notation, and quadratic equations. Course is graded S/U and does not provide degree credit.

Prerequisites: MATH 095 minimum grade S or T or ACCUPLACER math score of 040 or higher or ASC math placement score of 11

### **MATH 099 — Intermediate Algebra**

Credit Hours: 3.00

Real number system and its properties, linear equations, inequalities, powers and roots, quadratic equations, complex numbers, functions and their graphs. Course is graded S/U and does not provide degree credit.

Prerequisites: MATH 097 minimum grade S or T or ASC math placement score of 20 or ACCUPLACER math score of 055 or higher or ACT math score of 19 or higher

### **MATH 104 — Finite Mathematics GT-MA1**

Credit Hours: 3.00

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 T or ASC math placement score of 23 or SAT math score of 440 or higher or ACT math score of 19 or higher or ACCUPLACER math score of 085 or higher

**MATH 106 — College Algebra GT-MA1**

Credit Hours: 3.00

An introduction to the basic techniques of algebra. Topics include functions (linear, quadratic, polynomial, root, rational, exponential, and logarithmic), systems of equations, matrix algebra, inequalities, and complex numbers. Optional topics include partial fractions, synthetic division, mathematical induction, sequences and series, and counting principles.

Prerequisites: MATH 099 minimum grade S or T or ASC math placement score of 23 or higher or ACT math score of 22 or higher or SAT math score of 530 or higher or ACCUPLACER math score of 109 or higher

**MATH 107 — Trig & Analytic Geometry GT-MA1**

Credit Hours: 3.00

An introduction to the tools and techniques of trigonometry. Topics include angles and their measure, 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 T

**MATH 120 — Single Var Calculus I GT-MA1**

Credit Hours: 5.00

An introduction to the calculus of functions of one real variable. Topics include limits, continuity, derivatives, graphing techniques, optimization, related rates, Newton's method, indeterminate forms and l'Hopital's rule, antiderivatives, the definite integral, and the Fundamental Theorem of Calculus.

Prerequisites: MATH 106 minimum grade C- or T and MATH 107 minimum grade C- or T or ACT math score of 26 or higher or SAT math score of 600 or higher

**MATH 121 — Single Var Calculus II GT-MA1**

Credit Hours: 5.00

A continuation of the calculus of functions of one real variable. Topics include integration, applications 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 T

**MATH 140 — Geometry Using Technology**

Credit Hours: 3.00

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: ACT math score of 19 or higher or ACCUPLACER math score of 085 or higher or MATH 099 minimum grade S or T

**MATH 150 — Liberal Arts Mathematics GT-MA1**

Credit Hours: 3.00

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: ACT math score of 19 or higher or ACCUPLACER math score of 085 or higher or MATH 099 minimum grade S or T

**MATH 155 — Integrated Mathematics I [GT-MA1]**

Credit Hours: 3.00

This is the first of a two-course sequence presenting arithmetic and algebra from a modern perspective. Students work to understand and be able to articulate connections among mathematical structures, including natural numbers, integers, rational numbers, relations, functions and equations.

Prerequisites: ACT math score of 19 or higher or ASC math placement score of 23 or MATH 099 minimum grade S or T or ACCUPLACER math score of 085 or higher

**MATH 156 — Integrated Mathematics GT-MA1**

Credit Hours: 3.00

This is the second of a two-course sequence. Topics include probability, statistics, geometric figures, congruencies, similarities, and coordinate geometry.

Prerequisites: MATH 155 minimum grade C- or T

**MATH 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**MATH 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**MATH 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**MATH 205 — Intro to Statistical Methods**

Credit Hours: 3.00

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 T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T or MATH 120 minimum grade C- or T

**MATH 220 — Multivariable Calculus**

Credit Hours: 4.00

This course is an introduction to the calculus of functions of several real 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, Stokes' theorem, and the divergence theorem.

Prerequisites: MATH 121 minimum grade C- or T

**MATH 236 — Research in Mathematics**

Credit Hours: 1.00

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 T

**MATH 250 — Intro to Mathematical Thought**

Credit Hours: 3.00

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 proof 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 T

**MATH 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**MATH 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**MATH 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**MATH 321 — Linear Algebra**

Credit Hours: 3.00

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, orthogonal projection, and applications.

Prerequisites: MATH 121 minimum grade C- or T

**MATH 322 — Algebraic Structures I**

Credit Hours: 3.00

An introduction to the theory of groups. Typical topics include sets, mappings, binary operations, equivalence relations, partitions, the integers, induction, the well-ordering property, elementary number theory, cryptography, coding theory, groups (permutation groups, symmetry groups, matrix groups, and cyclic groups), subgroups, cosets, Lagrange's theorem, normal subgroups, homomorphisms, isomorphisms, Cayley's theorem, and isomorphism theorems.

Prerequisites: MATH 250 minimum grade C- or T and MATH 321 minimum grade C- or T

**MATH 323 — Algebraic Structures II**

Credit Hours: 3.00

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 T

### **MATH 327 — Differential Equations**

Credit Hours: 3.00

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 T

### **MATH 330 — Numerical Analysis**

Credit Hours: 3.00

The study, development, implementation, and analysis of algorithms for obtaining numerical solutions to various mathematical problems. Typical topics include error analysis, stable and unstable computations, rates of convergence, solutions of nonlinear equations, solutions of systems of linear equations, function approximation and interpolation, optimization, numerical differentiation and integration, and numerical solutions to ordinary differential equations.

Prerequisites: MATH 121 minimum grade C- or T and CSCI 208 minimum grade C- or T or MATH 210 minimum grade C- or T

### **MATH 331 — Modern Geometry**

Credit Hours: 3.00

An introduction to plane geometry intended for future teachers of mathematics. Typical topics include deductive reasoning and the axiomatic method, Euclidean geometry, parallelism, hyperbolic and other non-Euclidean geometries.

Prerequisites: MATH 121 minimum grade C- or T and MATH 250 minimum grade C- or T

### **MATH 335 — History of Mathematics**

Credit Hours: 3.00

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 civilizations 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 developments in set theory.

Prerequisites: MATH 121 minimum grade C- or T

### **MATH 340 — Probability & Statistics**

Credit Hours: 3.00

A mathematically oriented introductory course in probability and statistics. Typical topics include counting techniques and laws of probability, independence, discrete and continuous random variables, 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 T

### **MATH 360 — Advanced Quantitative Methods I**

Credit Hours: 3.00

Selected probabilistic models such as Markov Chains, birth-death processes, queues, inventories, and forecasting models are analyzed as stochastic processes.

Prerequisites: MATH 220 minimum grade C- and MATH 340 minimum grade C-

### **MATH 361 — Advanced Quantitative Methods II**

Credit Hours: 3.00

Topics include linear programming (with sensitivity analysis and applications), integer programming, and non-linear programming. Both the theory and the computer implementation of these techniques are addressed.

Prerequisites: MATH 321 minimum grade C- and MATH 360 minimum grade C-

### **MATH 375 — Simulation**

Credit Hours: 3.00

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-

### **MATH 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **MATH 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **MATH 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **MATH 403 — Senior Assessment**

Credit Hours: 2.00

Students must find a project advisor, submit a project proposal to the department chair, and begin work on their project no later than October 15 during the fall semester prior to enrolling in this course. Students may enroll in MATH 436 during the fall semester if they wish to receive academic credit for their research work. Each student takes a comprehensive capstone examination that includes a nationally-normed test over the subject area.

Prerequisites: Permission of department chair

### **MATH 420 — Advanced Analysis I**

Credit Hours: 3.00

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 T and MATH 250 minimum grade C- or T

### **MATH 421 — Advanced Analysis II**

Credit Hours: 3.00

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 instructor's choosing.

Prerequisites: MATH 420 minimum grade C- or T

### **MATH 430 — Complex Analysis**

Credit Hours: 3.00

Theory of functions of one complex variable, including derivatives, integrals, power series, residues, and conformal mappings.

Prerequisites: MATH 220 minimum grade C- or T

### **MATH 436 — Research in Mathematics**

Credit Hours: 1.00

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.

Prerequisites: none

### **MATH 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **MATH 492 — Workshop**

Credit Hours: 0.50 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **MATH 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Music**

### **MUS 000 — Recital Attendance**

Credit Hours: 0.00

A requirement for music majors and minors which consists of attendance at a designated number of concerts/recitals each semester.

Prerequisites: none

### **MUS 100 — Intro to Music Literature GT-AH1**

Credit Hours: 3.00

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.

Prerequisites: none

### **MUS 101 — Music Fundamentals**

Credit Hours: 2.00

An introductory course primarily for music majors and minors that includes the fundamentals of music theory, notation, and basic aural skills. May not be counted as credit toward a music degree.

Prerequisites: none

**MUS 102 — Introduction to Jazz**

Credit Hours: 3.00

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.  
Prerequisites: none

**MUS 103 — Intro to Music Technology**

Credit Hours: 1.00

Introduction to basic music technology including MIDI, sequencing, music notation, and tutorials. Development of music technology skills utilizing music lab facilities and equipment.  
Prerequisites: MUS 101 minimum grade C- or T

**MUS 104 — Music Theory I**

Credit Hours: 3.00

Development of basic music skills and harmony with practical application through part-writing and composition.  
Prerequisites: MUS 101 minimum grade C- or T

**MUS 108 — Aural Skills I**

Credit Hours: 1.00

Foundational work in sight singing and written dictation.  
Prerequisites: MUS 101 minimum grade C- or T

**MUS 120 — Class Piano I**

Credit Hours: 1.00

A study of beginning keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.  
Prerequisites: none

**MUS 121 — Class Piano II**

Credit Hours: 1.00

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 T

**MUS 130 — Secondary Applied Music**

Credit Hours: 1.00

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 T

**MUS 140 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (eight hours maximum).  
Prerequisites: none

**MUS 141 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (eight hours maximum).  
Prerequisites: MUS 140 minimum grade D or T

**MUS 179 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.  
Prerequisites: none

**MUS 192 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

**MUS 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.  
Prerequisites: none

**MUS 204 — Music Theory II**

Credit Hours: 3.00

Advanced study in music writing and analysis with emphasis on tonal and chromatic harmony.  
Prerequisites: MUS 104 minimum grade C- or T

**MUS 208 — Aural Skills II**

Credit Hours: 1.00

Emphasis on sight singing in parts, more difficult keys and intervals, modulations, and rhythmic patterns in dictation.  
Corequisites: MUS 204  
Prerequisites: MUS 108 minimum grade C- or T

**MUS 210 — Mariachi Ensemble**

Credit Hours: 1.00

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.  
Prerequisites: none

**MUS 212 — Jazz Improvisation I**

Credit Hours: 1.00

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 T

**MUS 220 — Class Piano III**

Credit Hours: 1.00

A continuation of intermediate keyboard technique with emphasis on skills needed to fulfill the piano proficiency requirement.

Prerequisites: MUS 121 minimum grade C- or T

**MUS 226 — Languages for Singing**

Credit Hours: 3.00

A study of the phonetics of languages used in singing. The course includes English, Italian, Latin, German and French diction.

Prerequisites: none

**MUS 240 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 141 minimum grade C- or T

**MUS 241 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 240 minimum grade C- or T

**MUS 242 — Applied Music: Composition**

Credit Hours: 2.00

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 T

**MUS 243 — Applied Music: Composition**

Credit Hours: 2.00

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 T and MUS 242 minimum grade C- or T

**MUS 245 — Band**

Credit Hours: 1.00

Open to all students, regardless of major field, who demonstrate sufficient ability on a standard wind or percussion instrument. May be repeated for credit.

Prerequisites: none

**MUS 246 — Jazz Ensemble**

Credit Hours: 1.00

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.

Prerequisites: none

**MUS 247 — Concert Choir**

Credit Hours: 1.00

Open to all qualified students with repertoire selected from the standard choral concert literature.

May be repeated for credit.

Prerequisites: none

**MUS 248 — Jazz Singers**

Credit Hours: 1.00

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.

Prerequisites: none

**MUS 249 — Chamber Ensemble**

Credit Hours: 1.00

Selected groups including instrumental, vocal, and mixed ensembles for performance of music in specific periods and mediums. May be repeated for credit.

Prerequisites: none

**MUS 250 — Orchestra**

Credit Hours: 1.00

Open to all students, regardless of major field, who demonstrate sufficient ability on a standard orchestral instrument. May be repeated for credit.

Prerequisites: none

**MUS 252 — Music Theatre Workshop**

Credit Hours: 1.00

The study and production of musical theatre and opera repertoire appropriate for educational theatre. May be repeated for credit.

Prerequisites: none

**MUS 255 — Wind Ensemble**

Credit Hours: 1.00

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.

Prerequisites: none

**MUS 257 — Chamber Choir**

Credit Hours: 1.00

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.

Prerequisites: none

**MUS 279 — Special Topics**

Credit Hours: 0.50 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**MUS 292 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**MUS 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**MUS 304 — Advanced Theory/Counterpoint**

Credit Hours: 3.00

Advanced tonal chromatic harmony and an introduction to 18th-century counterpoint. This course requires instructor approval for registration purposes.

Prerequisites: MUS 103 minimum grade C- or T and MUS 104 minimum grade C-

**MUS 308 — Advanced Aural Skills**

Credit Hours: 1.00

Advanced sight singing and ear training, including harmonic and melodic dictation using chromatic intervals.

Prerequisites: MUS 208 minimum grade C- or T

**MUS 312 — Jazz Improvisation II**

Credit Hours: 1.00

Emphasis on the analysis and performance of intermediate jazz literature and composition in contemporary styles.

Prerequisites: MUS 212 minimum grade C- or T

**MUS 320 — Advanced Piano Class**

Credit Hours: 1.00

Advanced functional keyboard technique with emphasis on skills needed to fulfill the piano proficiency requirement.

Prerequisites: MUS 220 minimum grade C- or T

**MUS 321 — Voice Methods**

Credit Hours: 1.00

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.

Prerequisites: none

**MUS 322 — Percussion Methods**

Credit Hours: 1.00

A course designed to enable music education majors to gain a practical knowledge of percussion instruments and relevant pedagogy.

Prerequisites: none

**MUS 323 — Brass Methods**

Credit Hours: 1.00

A course designed to enable music education majors to gain a practical knowledge of brass instruments and relevant pedagogy.

Prerequisites: none

**MUS 324 — Woodwind Methods**

Credit Hours: 1.00

A course designed to enable music education majors to gain practical knowledge of woodwind instruments and relevant pedagogy.

Prerequisites: none

**MUS 325 — String Methods**

Credit Hours: 1.00

A course designed to enable music education majors to gain a practical knowledge of string instruments and relevant pedagogy.

Prerequisites: none

**MUS 326 — Music History I**

Credit Hours: 3.00

A detailed survey of music history from antiquity to 1750.

Prerequisites: MUS 100 minimum grade C- or T and MUS 104 minimum grade C- or T

**MUS 327 — Music History II**

Credit Hours: 3.00

A detailed survey of music history from 1750 to the present.

Prerequisites: MUS 100 minimum grade C- or T and MUS 104 minimum grade C- or T

**MUS 333 — Form and Analysis**

Credit Hours: 2.00

The study and analysis of the structural elements of music and principle musical forms from the Renaissance through the 20th 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 T

**MUS 340 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Prerequisites: MUS 241 minimum grade C- or T



### **MUS 341 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (eight hours maximum).

Corequisites: MUS 345

Prerequisites: MUS 340 minimum grade C- or T

### **MUS 342 — Applied Music — Composition**

Credit Hours: 2.00

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 T

and MUS 243 minimum grade C- or T

### **MUS 343 — Applied Music — Composition**

Credit Hours: 2.00

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). Instructor approval required for registration purposes.

Prerequisites: MUS 104 minimum grade C- or T

and MUS 342 minimum grade C- or T

### **MUS 345 — Junior Recital**

Credit Hours: 1.00

Preparation and presentation of a public recital of approximately one-half hour of music. Must be taken concurrently with MUS 341.

Corequisites: MUS 341

Prerequisites: MUS 340 minimum grade C- or T or MUS 341 minimum grade C- or T

### **MUS 360 — Conducting Techniques**

Credit Hours: 2.00

Development of fundamental conducting skills, score reading skills, musical concepts, and terminology.

Prerequisites: MUS 204 minimum grade C- or T and MUS 208 minimum grade C- or T

### **MUS 364 — Accompanying Practicum I**

Credit Hours: 2.00

Training for the advanced pianist in vocal and instrumental accompanying skills, and related skills for dance accompanying.

Prerequisites: MUS 241 minimum grade C- or T

### **MUS 365 — Accompanying Practicum II**

Credit Hours: 2.00

Training for the advanced pianist in vocal and instrumental accompanying skills and related skills for dance accompanying.

Prerequisites: MUS 364 minimum grade C- or T

### **MUS 375 — Computer Music**

Credit Hours: 3.00

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 T

and MUS 103 minimum grade C- or T

### **MUS 376 — Topics in Music Business**

Credit Hours: 3.00

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.

Prerequisites: admission to upper-division study

### **MUS 377 — Music Business Internship**

Credit Hours: 3.00

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.

Prerequisites: admission to upper-division study and senior standing (90 or more hours)

and approved internship application

and current resume/references

and MUS 376 minimum grade C- or T

### **MUS 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **MUS 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **MUS 399 — Individual Studies**

Credit Hours: 0.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**MUS 410 — Mariachi Ensemble**

Credit Hours: 1.00

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.

Prerequisites: none

**MUS 421 — Elem School Music Methods**

Credit Hours: 3.00

A course for music education majors emphasizing principles and procedures for teaching music in the elementary school.

Prerequisites: ED 200 minimum grade C- or T and ED 220 minimum grade C- or T

**MUS 422 — Secondary School Music Methods**

Credit Hours: 3.00

A course for music education majors emphasizing principles and procedures for teaching music in the secondary school.

Prerequisites: ED 200 minimum grade C- or T and ED 220 minimum grade C- or T and MUS 304 minimum grade C- or T and MUS 360 minimum grade C- or T and admission to the Teacher Education Preparation Program

**MUS 423 — Choral Literature and Methods**

Credit Hours: 3.00

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- or T and MUS 360 minimum grade C- or T

**MUS 424 — Instrumental Lit/Methods**

Credit Hours: 3.00

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- or T and MUS 360 minimum grade C- or T

**MUS 425 — Opera Literature**

Credit Hours: 3.00

A study of operatic masterpieces from the origins of the form to the present.

Prerequisites: none

**MUS 426 — Song Literature**

Credit Hours: 3.00

Historic survey of the art of song.

Prerequisites: none

**MUS 427 — Instrumental Lit & Pedagogy**

Credit Hours: 3.00

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.

Prerequisites: none

**MUS 428 — Piano Literature and Pedagogy**

Credit Hours: 3.00

Historical survey of the repertoire for piano and a study of pedagogical techniques for the piano.

Prerequisites: none

**MUS 429 — Voice Literature and Pedagogy**

Credit Hours: 3.00

A study of pedagogical techniques and vocal problems and the assignment of appropriate literature. A survey of materials includes treatises, technique books, physiological books, repertoire, and other areas relevant to singing and to the teaching of singing.

Prerequisites: none

**MUS 430 — Secondary Applied Music**

Credit Hours: 1.00

Private instruction in applied music. Applicable to a music degree only as secondary applied credit.

Prerequisites: MUS 341 minimum grade C- or T

**MUS 440 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (four hours maximum).

Prerequisites: MUS 341 minimum grade C- or T and MUS 345 minimum grade C- or T

**MUS 441 — Applied Music**

Credit Hours: 2.00

Private instruction in applied music. May be repeated for credit (four hours maximum).

Prerequisites: MUS 345 minimum grade C- or T and MUS 440 minimum grade C- or T

**MUS 444 — Senior Project — Composition**

Credit Hours: 2.00

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 T

### **MUS 445 — Senior Recital**

Credit Hours: 2.00

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- or T and MUS 441 minimum grade C- or T

### **MUS 446 — Jazz Ensemble**

Credit Hours: 1.00

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.

Prerequisites: none

### **MUS 448 — Jazz Singers**

Credit Hours: 1.00

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 styles and periods. May be repeated for credit.

Prerequisites: none

### **MUS 449 — Chamber Ensemble**

Credit Hours: 1.00

Selected groups including instrumental, vocal and mixed ensembles 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.

Prerequisites: none

### **MUS 450 — Orchestra**

Credit Hours: 1.00

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.

Prerequisites: none

### **MUS 455 — Wind Ensemble**

Credit Hours: 1.00

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.

Prerequisites: none

### **MUS 457 — Chamber Choir**

Credit Hours: 1.00

An advanced mixed choral 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 choral concert literature as well as music of other cultures, ethnicities and traditions. May be repeated for credit.

Prerequisites: none

### **MUS 460 — Advanced Choral Conducting**

Credit Hours: 2.00

Advanced techniques for the choral conductor.

Prerequisites: MUS 360 minimum grade C- or T

### **MUS 461 — Advanced Instr Conducting**

Credit Hours: 2.00

Advanced techniques for the instrumental conductor.

Prerequisites: MUS 360 minimum grade C- or T

### **MUS 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **MUS 486 — Marching Band Techniques**

Credit Hours: 2.00

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 T

### **MUS 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **MUS 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Nursing

### **NURS 179 — Special Topics**

Credit Hours: 0.50 to 8.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **NURS 200 — Introduction to Nursing**

Credit Hours: 3.00

This course is an introduction to nursing as a practice profession with emphasis on nursing's history, process, roles and relationship to other health care disciplines. Explores concepts of professionalism, adult learning, culturally congruent care, spirituality, communication skills, evidence based care, and legal aspects. Adams State College Nursing Program mission, philosophy, organizing framework, and program expectations are presented. Ongoing preparation for the NCLEX throughout the program will be emphasized.

Prerequisites: Admission in the B.S.N. program

### **NURS 201 — Pathophysiology**

Credit Hours: 4.00

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.

Prerequisites: Admission in the BSN program and

BIOL 205 minimum grade C- or T

BIOL 206 minimum grade C- or T

BIOL 215 minimum grade C- or T (recommended)

(CHEM 105 minimum grade C- or T recommended or CHEM 111 minimum grade C- or T recommended)

### **NURS 202 — Pharmacology**

Credit Hours: 3.00

The course will provide an in-depth perspective of the pharmacokinetics and pharmacodynamics of medications. Students will learn to consider body weight, age, body composition, and circulatory dynamics when analyzing a 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.

Prerequisites: Admission in the B.S.N. program

NURS 201 minimum grade C- or T

### **NURS 203 — Health Assessment**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

### **NURS 204 — Health Care Ethics**

Credit Hours: 2.00

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, and 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.

Prerequisites: Admission in the B.S.N. program

### **NURS 300 — Nursing Fundamentals**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

### **NURS 300C — Nursing Fundamentals Clinical**

Credit Hours: 3.00

This course will focus on concepts learned in Nursing Fundamentals 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.

Prerequisites: Admission in the B.S.N. program  
NURS 300 minimum grade C- or T

### **NURS 301 — Pharmacology**

Credit Hours: 3.00

This course will provide an in-depth perspective of the different drug categories to include pharmacokinetics, pharmacodynamics, therapeutic effects, side effects, toxic effects, drug interactions and drug dose response of medications. Students will learn to consider body weight, age, body composition, and circulatory dynamics when analyzing a drug's effect.

Prerequisites: Admission in R.N. to B.S.N. degree completion program  
BIOL 305 minimum grade C- or T (recommended)  
(CHEM 105 minimum grade C- or T recommended or CHEM 111 minimum grade C- or T recommended)

### **NURS 302 — Professional Practice**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

### **NURS 303 — Medical/Surgical Nursing I**

Credit Hours: 3.00

Emphasis in this course is on the transition from student to the professional role of the baccalaureate prepared nurse. The course is a comprehensive study of concepts related to critical thinking, culture, pain, substance abuse, and end-of-life issues. Also considered is substance abuse, fluid and electrolyte, acid-base balance, safety, oxygenation, tissue perfusion, and cardiac output. The various interrelationships of these concepts found in adult patients 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.

Prerequisites: Admission in the B.S.N. program

### **NURS 303C — Medical/Surgical Nursing I Clinical**

Credit Hours: 3.00

Emphasis in this course is on the transition from student to the professional nursing role of the baccalaureate prepared nurse. This course is the application of concepts learned related to critical thinking, culture, pain, end-of-life issues, substance abuse, fluid and electrolyte and acid-base balance, safety, oxygenation, tissue perfusion, cardiac output and the various interrelationships found in adult patients utilizing both a clinical setting and a simulation lab. The application of the nursing process and evidence based criteria will be used in the care of stable adult patients in a clinical setting.

Prerequisites: Admission in the B.S.N. program  
NURS 303 minimum grade C- or T

### **NURS 304 — Geriatric Nursing**

Credit Hours: 3.00

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; 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.

Prerequisites: Admission in the B.S.N. program

### **NURS 305 — Pathophysiology**

Credit Hours: 4.00

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.

Prerequisites: BIOL 205 minimum grade C- or T and BIOL 206 minimum grade C- or T  
BIOL 215 minimum grade C- or T (recommended)  
(CHEM 105 minimum grade C- or T recommended or CHEM 111 minimum grade C- or T recommended)

**NURS 306 — Medical/Surgical Nursing II**

Credit Hours: 3.00

The 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 in a clinical setting. The application of the nursing process and evidence based criteria will be used in the care of adult patients in a clinical setting.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

**NURS 306C — Medical/Surgical Nursing II Clinical**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 306 minimum grade C- or T

**NURS 307 — Nursing Research**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

**NURS 308 — Nursing Management**

Credit Hours: 3.00

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 nurs-

ing 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.

Prerequisites: Admission in the B.S.N. program

**NURS 320 — Health Care Ethics**

Credit Hours: 2.00

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, client advocacy, skill competency, informed consents, advanced directives and nursing accountability. 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.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

**NURS 325 — Geriatric Nursing**

Credit Hours: 3.00

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.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

**NURS 330 — Nursing Management**

Credit Hours: 3.00

The focus of this course is on the theories of nursing management and leadership and their application to everyday 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.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

### **NURS 330L — Nursing Management Clinical**

Credit Hours: 3.00

This course will integrate the theories of nursing management and leadership and their application to everyday work practices. The student will choose an area of interest in the arena of health care and participate in management, policy making and/or project completion for the agency. In most cases, the course work will be completed at the site of the health care agency or employer under the direction of an on-site preceptor. Class discussions, field experience, field projects, oral presentations, journaling and written assignments will be utilized to assess learning outcomes. This course is a pass/fail course. Recorded grades will be earned based on the satisfactory completion of the required assignments.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

NURS 330 minimum grade C- or T

### **NURS 360 — Service Learning**

Credit Hours: 2.00

The Service Learning project is to provide the student with a unique opportunity to further develop the nursing role as a responsible and caring citizen in the context of professional nursing. 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 enhances the ASC Nursing Program mission with its focus on cultural diversity, community service, and rural health care.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

### **NURS 379 — Special Topics**

Credit Hours: 0.50 to 8.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **NURS 392 — Workshop**

Credit Hours: 0.50 to 8.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **NURS 400 — Obstetric Nursing**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

### **NURS 400C — Obstetric Nursing Clinical**

Credit Hours: 2.00

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 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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

NURS 400 minimum grade C- or T

### **NURS 401 — Pediatric Nursing**

Credit Hours: 3.00

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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

### **NURS 401C — Pediatric Nursing Clinical**

Credit Hours: 2.00

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 a clinical setting. The application of the nursing process and evidence based criteria will be used in this process.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

NURS 401 minimum grade C- or T

### **NURS 402 — Psychiatric Nursing**

Credit Hours: 3.00

The student will explore concepts in promoting and maintaining mental health in the individual, family, group and the community. Mental health assessment, health promotion, roles & responsibilities within the profession of psychiatric nursing will be introduced. Health care trends related to primary health care, determinants of health and wellness will be examined. Concepts of crisis, comfort, anger, hope, loss, power, resiliency and integrity will be introduced.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

### **NURS 402C — Psychiatric Nursing**

Credit Hours: 2.00

This course will allow the student to apply the various concepts learned in NURS 402 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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

NURS 402 minimum grade C- or T

### **NURS 403 — Rural/Community Health**

Credit Hours: 4.00

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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

### **NURS 403C — Rural/Community Health Clinical**

Credit Hours: 3.00

This course will allow students to address the concerns and health needs of the community. In a collaborative effort between the community and ASC, 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.

Prerequisites: Admission in the B.S.N. program

NURS 300 minimum grade C- or T

NURS 300C minimum grade C- or T

NURS 303 minimum grade C- or T

NURS 303C minimum grade C- or T

NURS 306 minimum grade C- or T

NURS 306C minimum grade C- or T

NURS 403 minimum grade C- or T



### **NURS 404 — Service Learning Clinical**

Credit Hours: 2.00

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.

Prerequisites: Admission in the B.S.N. program

### **NURS 405 — Nursing Internship**

Credit Hours: 5.00

This course will be an intensive field experience in an area of interest to the student. This will include the application of management and leadership principles learned in NURS 308. Critical thinking and evidence based practice will be emphasized. NURS 405 will be a means of integrating previous nursing and general education coursework. The nursing student will be under the supervision of a preceptor in the clinical area and coordinated by the ASC nursing faculty.

Prerequisites: Admission in the B.S.N. program and completion of all specialty and clinical courses

### **NURS 410 — Nursing Research**

Credit Hours: 3.00

This course provides 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.

Prerequisites: (PSYC 211 minimum grade C- or T or MATH 205 minimum grade C- or T) and R.N. to B.S.N. degree completion program admission

### **NURS 430 — Health Assessment**

Credit Hours: 3.00

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.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

### **NURS 440 — Professional Practice**

Credit Hours: 3.00

Emphasis in this course is on the professional nursing role of the baccalaureate prepared nurse. It will explore in depth the development of healthcare policy in the United States as it relates to the evolution of public and private healthcare insurance and the societal implications of these policies. Students will analyze the U.S. healthcare delivery system to determine how social, political, legal, economic policy and regulatory factors affect health disparities and access to healthcare for the American population. Necessary critical thinking skills will be developed to understand future trends and changes affecting healthcare delivery policy and nursing practice.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

### **NURS 460 — Rural/Community Health**

Credit Hours: 4.00

This course examines the role of nurses 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, community assessment, case management, health teaching, and the investigation of communicable diseases. Students address the concerns and health needs of the community. In addition, a focus on rural health needs and problems will be presented. In a collaborative effort between the community and ASC, 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 as well as a service learning project supervised by ASC nursing faculty.

Prerequisites: Admission in R.N. to B.S.N. degree completion program

### **NURS 470 — Rural/Community Health Nursing II**

Credit Hours: 3.00

This course allows students to address the concerns and health needs of the community. In a collaborative effort between the community and ASC, 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 in a rural community. Prerequisites: Admission in R.N. to B.S.N. degree completion program  
NURS 460 minimum grade C- or T

### **NURS 479 — Special Topics**

Credit Hours: 0.50 to 8.00  
Offered periodically to meet student special interests in the field.  
Prerequisites: none

### **NURS 492 — Workshop**

Credit Hours: 0.50 to 8.00  
Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

### **NURS 499 — Individual Studies**

Credit Hours: 3.00  
Prerequisites: none

## **Philosophy**

### **PHIL 179 — Special Topics**

Credit Hours: 1.00 to 6.00  
Offered periodically to meet student special interests in the field.  
Prerequisites: none

### **PHIL 192 — Workshop**

Credit Hours: 0.50 to 6.00  
Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

### **PHIL 199 — Individual Studies**

Credit Hours: 1.00 to 6.00  
Provides opportunity for individual research/ study into problems of special interest in the field. By faculty permission and approval of the department chair.  
Prerequisites: none

### **PHIL 201 — Introduction to Philosophy**

Credit Hours: 3.00  
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.  
Prerequisites: none

### **PHIL 202 — Ethics**

Credit Hours: 3.00  
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.  
Prerequisites: none

### **PHIL 203 — Philosophy of Religion**

Credit Hours: 3.00  
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..  
Prerequisites: none

### **PHIL 205 — Logic**

Credit Hours: 3.00  
An introduction to the essential principles of logical thinking, with particular attention to the fundamentals of inductive and deductive reasoning.  
Prerequisites: none

### **PHIL 279 — Special Topics**

Credit Hours: 1.00 to 6.00  
Offered periodically to meet student special interests in the field.  
Prerequisites: none

### **PHIL 292 — Workshop**

Credit Hours: 0.50 to 6.00  
Short courses offered on an intermittent basis to meet the needs of special constituents.  
Prerequisites: none

### **PHIL 299 — Individual Studies**

Credit Hours: 1.00 to 6.00  
Provides opportunity for individual research/ study into problems of special interest in the field. By faculty permission and approval of the department chair.  
Prerequisites: none

### **PHIL 300 — Interrelations of the Arts**

Credit Hours: 3.00  
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.  
Prerequisites: none

### **PHIL 303 — Chinese Philosophy**

Credit Hours: 3.00  
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.

Prerequisites: none

### **PHIL 304 — Religions of the Western World**

Credit Hours: 3.00

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.

Prerequisites: none

### **PHIL 323 — Atheism**

Credit Hours: 3.00

Examines the arguments, concepts, and objections to atheism. The course addresses atheism in the context of morality, cosmology, the problem of evil, faith, science, and a meaningful life.

Prerequisites: none

### **PHIL 324 — Existentialism**

Credit Hours: 3.00

Introduction to Existentialism by a close reading of some of its primary texts. Existentialism concerns itself with the problems of the individual coming to terms 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.

Prerequisites: none

### **PHIL 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **PHIL 392 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **PHIL 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **PHIL 436 — American Thought**

Credit Hours: 3.00

The historical, philosophical and literary ideas that have influenced American life and thought. Same as HIST 436 and GOVT 436.

Prerequisites: none

### **PHIL 466 — Ancient Political Theory**

Credit Hours: 3.00

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. In the first semester, students will focus on the period from Plato to St. Thomas. Same as GOVT 466.

Prerequisites: none

### **PHIL 467 — Modern Political Theory**

Credit Hours: 3.00

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. This second-semester course will treat thinkers from Machiavelli through Marx. Same as GOVT 467.

Prerequisites: none

### **PHIL 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **PHIL 492 — Workshop**

Credit Hours: 0.50 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **PHIL 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Physics**

### **PHYS 102 — Intro to Engineering Design**

Credit Hours: 2.00

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 College or who have an interest in exploring engineering as a career. Students will be engaged in the design process throughout the entire course. Using the LEGO mechanical engineering set and LEGO RCX Brick, students will learn about mechanical systems and design solutions to specific problems. Prerequisites: ACT math score of 17 or higher or ACCUPLACER math score of 85 or higher or MATH 097 minimum grade C- or T

### **PHYS 150 — Light**

Credit Hours: 4.00

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.

Corequisite: PHYS 150L

Prerequisites: ACT math score of 19 or higher or ACCUPLACER math score of 85 or higher or MATH 099 minimum grade S or T or MATH 104 minimum grade C- or T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T

### **PHYS 150L — Light Lab**

Credit Hours: 0.00

Required zero-credit companion laboratory to PHYS 150.

Corequisite: PHYS 150

### **PHYS 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **PHYS 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **PHYS 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the

department chair.

Prerequisites: none

### **PHYS 201 — Introduction to Astronomy GT-SC1**

Credit Hours: 4.00

An introduction course in astronomy including historical astronomy, solar system astronomy, the life cycle of stars, the structure of the galaxy, telescope usage, identification of constellations, the apparent motion of celestial objects as seen from Earth, 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: none

### **PHYS 210 — Computer Aided Drafting**

Credit Hours: 3.00

This course examines the drafting/design field of mechanically oriented objects. Topics include multi-view drawings, sectioning, auxiliary views, exploded assemblies, working drawing, 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.

Prerequisites: none

### **PHYS 225 — College Physics I GT-SC1**

Credit Hours: 5.00

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 T

### **PHYS 225L — College Physics I Lab**

Credit Hours: 0.00

Corequisites: PHYS 225

Prerequisites: none

### **PHYS 226 — College Physics II**

Credit Hours: 5.00

The second course of a two-semester lecture-laboratory sequence introducing the fundamental

principles of physics. In this 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 T

### **PHYS 226L — College Physics II Lab**

Credit Hours: 0.00

Corequisites: PHYS 226

Prerequisites: none

### **PHYS 230 — General Physics I GT-SC1**

Credit Hours: 4.00

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.

Corequisites: PHYS 231

Prerequisites: MATH 120 minimum grade C- or T

### **PHYS 231 — General Physics I Lab GT-SC1**

Credit Hours: 1.00

One two-hour laboratory per week with lab projects that coincide with the lecture material in PHYS 230. A calculus-based treatment of data will be required for some lab projects. The laboratory experience provides a vital link for students in their development of an ability to apply mathematics to simple systems, allowing them to analyze the system for theoretical behavior and to account for the errors which give them the observed behavior.

Corequisites: PHYS 230

### **PHYS 232 — Gen Physics II (Cal) GT-SC1**

Credit Hours: 4.00

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.).

Corequisites: PHYS 233

Prerequisites: PHYS 230 minimum grade C- or T

### **PHYS 233 — Gen Physics II Lab (Cal) GT-SC1**

Credit Hours: 1.00

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.

Corequisites: PHYS 232

### **PHYS 242 — Statics**

Credit Hours: 3.00

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 T

### **PHYS 243 — Dynamics**

Credit Hours: 3.00

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 T

### **PHYS 244 — Electric Circuits**

Credit Hours: 3.00

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- or T and MATH 220 minimum grade C- or T

### **PHYS 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**PHYS 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**PHYS 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**PHYS 300 — Electron/Electric Measure**

Credit Hours: 3.00

A combined lecture and laboratory course in electronics consisting of four laboratory contact hours and one lecture contact hour per week. The course is a study in operational amplifiers, TTL integrated circuits, microprocessors and computer interfacing. The focus is on applications and circuit design. Offered in the fall of even years.

Prerequisites: PHYS 226 minimum grade C- or T or PHYS 232 minimum grade C- or T

**PHYS 302 — Mechanics**

Credit Hours: 4.00

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- or T and PHYS 231 minimum grade C- or T and PHYS 232 Minimum Grade C or T and PHYS 233 minimum grade C- or T and MATH 327 minimum grade C- or T

**PHYS 304 — Electricity and Magnetism**

Credit Hours: 4.00

Advanced theory and applications of electrostatics and magnetostatics; steady currents; scalar and vector potentials; Gauss' Law, Laplace's equation; Ampere's and Faraday's laws. This course is offered during the fall semester of odd years.

Prerequisites: PHYS 230 minimum grade C- or T and PHYS 231 minimum grade C- or T and PHYS 232 minimum grade C- or T and PHYS 233 minimum grade C- or T and MATH 327 minimum grade C- or T

**PHYS 306 — Modern Physics**

Credit Hours: 4.00

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 of nuclei and their transformations, natural and induced radioactivity, and elementary particles. Offered spring semesters of even years.

Prerequisites: PHYS 232 minimum grade C- or T and MATH 121 minimum grade C- or T and CHEM 131 minimum grade C- or T and CHEM 132 minimum grade C- or T

**PHYS 320 — Planetarium Operation**

Credit Hours: 2.00

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 T

**PHYS 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**PHYS 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**PHYS 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**PHYS 436 — Research in Physics**

Credit Hours: 1.00

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.

Prerequisites: none

### **PHYS 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **PHYS 492 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **PHYS 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Psychology**

### **PSYC 101 — Introduction to Psyc GT-SS3**

Credit Hours: 3.00

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.

Prerequisites: none

### **PSYC 179 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **PSYC 192 — Workshops**

Credit Hours: 0.50 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **PSYC 199 — Independent Study**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **PSYC 204 — Child Development**

Credit Hours: 3.00

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 T

### **PSYC 205 — Adolescent & Adult Development**

Credit Hours: 3.00

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 development, and coping with old age.

Prerequisites: PSYC 101 minimum grade C- or T

### **PSYC 211 — Introduction to Statistics**

Credit Hours: 4.00

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 T and or MATH 099 minimum grade S or T or MATH 104 minimum grade C- or T or MATH 106 minimum grade C- or T or MATH 107 minimum grade C- or T or MATH 120 minimum grade C- or T or MATH 121 minimum grade C- or T or MATH 140 minimum grade C- or T) OR (PSYC 101 minimum grade C- or T and ACT math score of 19 or higher or SAT math score of 430 or higher or ACCUPLACER math placement 19 or higher)

### **PSYC 233 — Lifespan Dev for Nurses**

Credit Hours: 3.00

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 T

**PSYC 245 — Brain and Behavior**

Credit Hours: 3.00

This course provides students with a basic overview of the biological processes underlying human behavior. This course begins by presenting fundamental nervous system structures 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 T

**PSYC 279 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**PSYC 292 — Workshops**

Credit Hours: 0.50 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**PSYC 299 — Independent Study**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**PSYC 310 — Child & Adoles Abnormal Psych**

Credit Hours: 3.00

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- or T and PSYC 204 minimum grade C- or T

**PSYC 315 — Multicultural Issues**

Credit Hours: 3.00

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 T and PSYC 204 minimum grade C- or T or PSYC 205 minimum grade C- or T

**PSYC 316 — Drugs, Society & Human Behavior**

Credit Hours: 3.00

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- or T and PSYC 211 minimum grade C- or T and PSYC 245 minimum grade C- or T

**PSYC 330 — Professional Seminar**

Credit Hours: 1.00

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- or T and PSYC 204 minimum grade C- or T OR PSYC 205 minimum grade C- or T

**PSYC 345 — Psychological Testing & Assess**

Credit Hours: 3.00

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- or T and PSYC 204 minimum grade C- or T or PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

**PSYC 350 — Industrial/Organiz'tl Psych**

Credit Hours: 3.00

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 T and PSYC 211 minimum grade C- or T

### **PSYC 355 — Research Methods in Psychology (with Lab)**

Credit Hours: 4.00

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.

Corequisites: LS 225

Prerequisites: PSYC 101 minimum grade C- or T and PSYC 211 minimum grade C- or T and LS 225 minimum grade C- or T

### **PSYC 360 — Psychology of Gender**

Credit Hours: 3.00

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 T and PSYC 204 minimum grade C- or T and PSYC 211 minimum grade C- or T

### **PSYC 365 — Psychology of Sport**

Credit Hours: 3.00

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- or T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

### **PSYC 375 — Human Sexuality**

Credit Hours: 3.00

In this multidisciplinary course, students will be introduced to the physiological, medical, sociological, psychological, legal, pathological, 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 T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T

### **PSYC 379 — Special Topics**

Credit Hours: 0.50 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **PSYC 380 — Health Psychology**

Credit Hours: 3.00

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 T and PSYC 205 minimum grade C- or T

### **PSYC 384 — Forensic Psychology**

Credit Hours: 3.00

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 T and (PSYC 204 minimum grade C- or T or PSYC 205 minimum grade C- or T) and PSYC 211 minimum grade C- or T and (PSYC 355 minimum grade C- or T or SOC 455 minimum grade C- or T)

### **PSYC 385 — Cognitive/Behavior Modification**

Credit Hours: 3.00

This course is designed to provide students with knowledge and understanding of cognitive behavioral assessment and intervention strategies. Stu-

dents 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- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

### **PSYC 392 — Workshops**

Credit Hours: 0.50 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents. Prerequisites: none

### **PSYC 399 — Independent Study**

Credit Hours: 1.00 to 3.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission/department chair approval. Prerequisites: none

### **PSYC 410 — Social Psychology**

Credit Hours: 3.00

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 T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T and PSYC 355 minimum grade C- or T

### **PSYC 414 — Cognitive Psychology**

Credit Hours: 3.00

This course presents the scientific study of the basic phenomena, concepts, 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 T and PSYC 211 minimum grade C- or T and PSYC 245 minimum grade C- or T and PSYC 355 minimum grade C- or T

### **PSYC 416 — Behavioral Neuroscience**

Credit Hours: 3.00

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 T and PSYC 211 minimum grade C- or T and PSYC 245 minimum grade C- or T and PSYC 355 minimum grade C- or T

### **PSYC 430 — Abnormal Psychology**

Credit Hours: 3.00

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 101 minimum grade C- or T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

### **PSYC 456 — Theories of Learning**

Credit Hours: 3.00

This course presents the historical underpinnings of the major theories and principles of learning, and how they are used in applied settings. 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 T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

### **PSYC 458 — Sensation and Perception**

Credit Hours: 3.00

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 T and PSYC 211 minimum grade C- or T and PSYC 245 minimum grade C- or T and PSYC 355 minimum grade C- or T

**PSYC 460 — Counsel Skills for Clsrn Tchrs**

Credit Hours: 3.00

Designed to develop knowledge of the basic theories in guidance and counseling as they apply to the classroom teacher. Special emphasis will be placed on the application of these theories and techniques with exceptional students, parents of exceptional students, and with other professionals involved in the educational process. Skills will be developed in the following major areas: 1) communication skills and group process, 2) career and vocational planning, and 3) use of school and community resources.

Prerequisites: PSYC 101 minimum grade C- or T and (PSYC 204 minimum grade C- or T or PSYC 205 minimum grade C- or T)

**PSYC 465 — Theories of Personality**

Credit Hours: 3.00

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 T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

**PSYC 468 — History and Systems of Psych**

Credit Hours: 3.00

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 T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T

**PSYC 479 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**PSYC 480 — Honors Seminar in Psychology**

Credit Hours: 3.00

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- or T and PSYC 211 minimum grade C- or T and PSYC 355 minimum grade C- or T

**PSYC 481 — Honors Seminar in Psychology**

Credit Hours: 3.00

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- or T and PSYC 211 minimum grade C- or T and PSYC 355 minimum grade C- or T

**PSYC 490 — Field Studies in Psychology**

Credit Hours: 1.00 to 15.00

Senior psychology majors will gain applied experience in psychology by volunteering for a service organization.

Prerequisites: PSYC 101 minimum grade C- or T and PSYC 204 minimum grade C- or T and PSYC 205 minimum grade C- or T and PSYC 211 minimum grade C- or T and PSYC 330 minimum grade C- or T and PSYC 355 minimum grade C- or T and PSYC 430 minimum grade C- or T and PSYC 465 minimum grade C- or T

**PSYC 492 — Workshops**

Credit Hours: 0.50 to 3.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**PSYC 493 — Honors Thesis in Psychology**

Credit Hours: 3.00

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- or T and PSYC 211 minimum grade C- or T and PSYC 355 minimum grade C- or T and faculty permission

**PSYC 494 — Honors Thesis in Psychology II**

Credit Hours: 3.00

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- or T and PSYC 211 minimum grade C- or T and PSYC 355 minimum grade C- or T and PSYC 493 minimum grade C- or T and faculty permission

### **PSYC 495 — Independent Research**

Credit Hours: 3.00

Exceptional students will conduct independent research or a project under the guidance of a faculty member.

Prerequisites: PSYC 101 minimum grade C- or T and PSYC 211 minimum grade C- or T and PSYC 355 minimum grade C- or T

### **PSYC 499 — Independent Study**

Credit Hours: 1.00 to 4.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Reading**

### **READ 090 — College Preparatory Reading**

Credit Hours: 3.00

READ 090 enables the student to apply strategies for improving comprehension, developing vocabulary, and increasing rate for reading college textbooks.

Prerequisites: ACCUPLACER reading comprehension score of 0-79

## **Science**

### **SCI 155 — Integrated Science I: Phys Sci GT-SCI**

Credit Hours: 4.00

This course serves as an introduction to major topics in the field of physical science and is specifically designed for the non-science major. This course is half of the year-long sequence taken by most students at Adams State College to satisfy their General Education science requirement. Does not count toward a major or minor in physics or chemistry.

Prerequisites: ACT math score of 19 or higher

or ASC math placement score of 23  
or ACCUPLACER math score of 085 or higher  
or MATH 099 minimum grade S or T  
or MATH 104 minimum grade D or T  
or MATH 106 minimum grade D or T  
or MATH 107 minimum grade D or T  
or MATH 120 minimum grade D or T  
or MATH 121 minimum grade D or T

### **SCI 156 — Integrated Sci II: Natural Sci GT-SCI**

Credit Hours: 4.00

This course serves as an introduction to major topics in the fields of biological and earth sciences and is specifically designed for the non-science major. This course is half of the year-long sequence taken by some students (e.g., Teacher Education) at Adams State College to satisfy their General Education science requirement. Does not count toward a major or minor in biology or geology.

Prerequisites: SCI 155 minimum grade C- or T or (SCI 101 minimum grade C- or T and SCI 102 minimum grade C- or T)

### **SCI 179 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **SCI 192 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **SCI 199 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **SCI 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **SCI 292 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **SCI 299 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **SCI 379 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **SCI 392 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **SCI 399 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

### **SCI 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **SCI 492 — Workshop**

Credit Hours: 1.00 to 4.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **SCI 499 — Individual Studies**

Credit Hours: 1.00 to 5.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## **Sociology**

### **SOC 201 — The Soc Imagination GT-SS3**

Credit Hours: 3.00

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, social and economic inequalities, social structure, organizational behavior, social groups, deviance, and social institutions (e.g., family, religion, education, and political economy).

Prerequisites: none

### **SOC 245 — Criminology**

Credit Hours: 3.00

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- or T and LS 225 minimum grade C- or T

### **SOC 251 — Social Problems**

Credit Hours: 3.00

The 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 T and LS 225 minimum grade C- or T (pre/co-req)

### **SOC 279 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: SOC 201 minimum grade C- or T

### **SOC 305 - Rural Sociology**

Credit Hours: 3.00

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- or T

### **SOC 311 — Social Statistics**

Credit Hours: 4.00

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: junior status

and SOC 201 minimum grade C or T  
and (MATH 104 minimum grade C- or T  
or MATH 106 minimum grade C- or T  
or MATH 120 minimum grade D or T  
or MATH 155 minimum grade D or T  
or MATH 156 minimum grade D or T)

### **SOC 315 — Sociology of Education**

Credit Hours: 3.00

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 T

### **SOC 318 — “Race,” Class, and Gender**

Credit Hours: 3.00

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 T

### **SOC 320 — Marriages and Families**

Credit Hours: 3.00

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 T

### **SOC 346 — Criminal Justice**

Credit Hours: 3.00

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 245 minimum grade C- or T

### **SOC 347 — Juvenile Delinquency**

Credit Hours: 3.00

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- or T  
and SOC 245 minimum grade C- or T

### **SOC 352 — Human Behavior and Social Environment**

Credit Hours: 3.00

This course is an introduction to the nuts-and-bolts of social work practice. The course is designed with several general objectives in mind: (1) to familiarize the student with specific techniques of social work such as the person-in-environment approach and case management, (2) to provide a fundamental understanding of roles of community and family in social work practice, (3) to explore the needs of selected special populations in the community, (4) to identify the biological, psychological, and social influences on development and behavior across the life cycle, and (5) to introduce the student to fundamental social work practice skills.

Prerequisites: SOC 251 minimum grade C- or T

### **SOC 365 — Race, Culture and Ethnicity**

Credit Hours: 3.00

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 T

### **SOC 370 — Poverty and Social Inequality**

Credit Hours: 3.00

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- or T and SOC 251 minimum grade C- or T

### **SOC 379 — Special Topics**

Credit Hours: 0.50 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: SOC 201 minimum grade C- or T

### **SOC 395 — Pre-Professional Seminar**

Credit Hours: 2.00

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 T

### **SOC 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

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 T

### **SOC 401 — Social Psychology**

Credit Hours: 3.00

This course will look at Social Psychology from a sociological perspective. It will consider (1) social experience gained from the individual's participa-

tion 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 T

### **SOC 407 — Demography**

Credit Hours: 3.00

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 T

### **SOC 419 — Gender and Society**

Credit Hours: 3.00

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 T

### **SOC 425 — Environment and Society**

Credit Hours: 3.00

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 T

### **SOC 444 — Deviance and Control**

Credit Hours: 3.00

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 T

### **SOC 445 — Sociological Theory**

Credit Hours: 3.00

The major theories of society are covered in their classical and contemporary forms.

Prerequisites: SOC 201 minimum grade C- or T

### **SOC 447 — Correctional Systems**

Credit Hours: 3.00

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 corrections will be analyzed and compared (e.g., punishment vs. rehabilitation).

Prerequisites: SOC 346 minimum grade C- or T and SOC 201 minimum grade C- or T

### **SOC 455 — Sociological Research Methods**

Credit Hours: 4.00

This course is designed to expose students to a variety of research methods. Students will be instructed in the fundamentals of research design and implementation, including ethical considerations. Students will read and study the research projects of selected sociologists. Then students will engage in projects to practice research methods. 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- or T and LS 225 minimum grade C- and SOC 311 minimum grade C- or T

### **SOC 470 — Social Welfare Policy**

Credit Hours: 3.00

This course analyzes the historical development, current content, and adequacy of social welfare policies in the United States. Specific policy areas to be discussed include income maintenance (including social insurance and public assistance), mental health, health care, and aging.

Prerequisites: SOC 352 minimum grade C- or T

### **SOC 479 — Special Topics**

Credit Hours: 1.00 to 5.00

Offered periodically to meet student special interests in the field.

Prerequisites: SOC 201 minimum grade C- or T

### **SOC 492 — Workshops**

Credit Hours: 0.50 to 5.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: SOC 201 minimum grade C- or T

### **SOC 493 — Internship in Social Welfare**

Credit Hours: 3.00 to 6.00

Students in the Social Welfare emphasis are placed with a human service agency in the community. 120 volunteer hours of service with the agency are required. The student is supervised by

both a sociology faculty member and a representative from the human service agency. Instructor approval required for registration purposes.  
Prerequisites: SOC 201 minimum grade C- or T

### **SOC 494 — Internship in Criminology**

Credit Hours: 3.00 to 6.00

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. Instructor approval required for registration purposes.

Prerequisites: SOC 201 minimum grade C- or T

### **SOC 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

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 T

## **Spanish**

### **SPAN 103 — Elementary Spanish I**

Credit Hours: 3.00 or 4.00

A study of the principles of pronunciation, basic level conversation, essentials of grammar, written composition, and reading of materials of graded difficulty.

Prerequisites: none

### **SPAN 104 — Elementary Spanish II**

Credit Hours: 3.00 or 4.00

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 T

### **SPAN 179 — Special Topics**

Credit Hours: 1.00 to 8.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **SPAN 192 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none



**SPAN 199 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission/department chair approval.

Prerequisites: none

**SPAN 201 — Pronunciation and Conversation**

Credit Hours: 2.00

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 T

**SPAN 203 — Intermediate Spanish I**

Credit Hours: 3.00

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 T

**SPAN 204 — Reading and Conversation**

Credit Hours: 3.00

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 T

**SPAN 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**SPAN 292 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**SPAN 299 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**SPAN 309 — La Novela Picaresca**

Credit Hours: 3.00

Prerequisites: SPAN 204 minimum grade C- or T

**SPAN 310 — Southwest Spanish**

Credit Hours: 3.00

A study of characteristics of oral and written Southwest Spanish. The course will also 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 T

**SPAN 313 — Conversation and Composition**

Credit Hours: 3.00

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 T

**SPAN 315 — Spanish for Business**

Credit Hours: 3.00

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 T

**SPAN 316 — Spanish for Health Professions**

Credit Hours: 3.00

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 T

**SPAN 317 — Spanish for Translation**

Credit Hours: 3.00

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 T

**SPAN 325 — Spanish Civ & Culture**

Credit Hours: 3.00

Instruction on selected themes taken from the historical legacy and cultural institutions of the Spanish people. The cultural topics include reading about 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 for in depth discussion and study.

Prerequisites: SPAN 204 minimum grade C- or T

**SPAN 326 — Latin American Civ & Culture**

Credit Hours: 3.00

Instruction on selected themes taken from the historical and literary legacy of the Latin American people. The literary topics include reading about 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 T

**SPAN 340 — Topics in Spanish Literature**

Credit Hours: 3.00

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 readings that are selected for in depth discussion and study.

Prerequisites: SPAN 204 minimum grade C- or T

**SPAN 341 — Topics in Latin Am Literature**

Credit Hours: 3.00

Instruction on selected themes taken from the historical and literary legacy 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 T

**SPAN 350 — Advanced Grammar & Comp**

Credit Hours: 3.00

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 T

**SPAN 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special

interests in the field.

Prerequisites: none

**SPAN 392 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**SPAN 395 — Spanish Phonetics--Lang Hist**

Credit Hours: 3.00

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 production, and an analysis of spoken Spanish.

Prerequisites: SPAN 204 minimum grade C- or T

**SPAN 396 — Methods Teaching Foreign Lang**

Credit Hours: 3.00

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: admitted to Teacher Education

Preparation Program Score of 1

**SPAN 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

**SPAN 400 — Masterpieces of Spanish Lit**

Credit Hours: 3.00

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 T

**SPAN 401 — Masterpieces of Latin Am Lit**

Credit Hours: 3.00

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 T

**SPAN 411 — Contemporary Spanish Lit**

Credit Hours: 3.00

This is a senior-level course that provides an in-depth study of selected 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 T

**SPAN 412 — Contemp Latin American Lit**

Credit Hours: 3.00

This is a senior-level course that provides an in-depth study of selected 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 T

**SPAN 413 — La Literatura Indigenista**

Credit Hours: 3.00

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 T

**SPAN 414 — Spanish American Thought**

Credit Hours: 3.00

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: Sarmiento, Andres Bello, Juan Montalvo, Jose Marti, Octavio Paz, Jose Vasconcelos, Leopoldo Zea, and others. This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 minimum grade C- or T

**SPAN 415 — Cervantes/El Quijote**

Credit Hours: 3.00

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 T

**SPAN 416 — La Novela/Revolucion Mexicana**

Credit Hours: 3.00

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 T

**SPAN 419 — Golden Age Drama**

Credit Hours: 3.00

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 T

**SPAN 423 — Modern Hispanic Short Story**

Credit Hours: 3.00

This course requires instructor approval for registration purposes.

Prerequisites: SPAN 204 minimum grade C- or T

**SPAN 425 — Hispanic Poetry**

Credit Hours: 3.00

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 T

**SPAN 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**SPAN 492 — Workshop**

Credit Hours: 1.00 to 6.00

Short courses offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**SPAN 499 — Individual Studies**

Credit Hours: 1.00 to 15.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission/department chair approval.

Prerequisites: none

## Speech

### **SPCH 100 — Speech Fundamentals**

Credit Hours: 3.00

A course designed to develop proficiency in oral communication: interpersonal, group, and public discourse.

Prerequisites: none

### **SPCH 279 — Special Topics**

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **SPCH 330 — Directing Forensics/Debate**

Credit Hours: 3.00

Methods in coaching and directing forensics and debate activities in secondary schools.

Prerequisites: none

## Special Education

### **SPED 341 — SPED for the Diverse Student**

Credit Hours: 2.00

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: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 342 — Teaching the SPED Student**

Credit Hours: 3.00

This course is designed to provide students with the knowledge of the areas of exceptionalities needed in the special education planning process. The course will include skills necessary for identifying students' strengths/needs in order to develop and implement Individualized Education 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.

Prerequisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 343 — Behavioral Mgmt & Instruct**

Credit Hours: 3.00

This course is designed to provide students with the background knowledge in behavior management theory, classroom organization and planning required to facilitate student learning and the further development of social skills.

Prerequisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 344 — Domains of Learning**

Credit Hours: 3.00

This course will survey learning theories relevant to the following domains: cognitive (i.e., brain-based learning), affective, social, psycho-motor and communicative. Learning styles and problem-solving processes will also be addressed in the course. The application of theoretical frameworks to enhance student outcomes will be required.

Prerequisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 440 — Assessment in SPED**

Credit Hours: 3.00

This is an in-depth course applying formal, informal and performance-based processes and procedures in special education intervention and the IEP process. Issues relevant to the assessment of culturally and linguistically diverse populations will be included.

Prerequisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 463 — Special Education Law**

Credit Hours: 3.00

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: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 494 — Current Trends/Issues in SPED**

Credit Hours: 3.00

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 EPs focusing on student academic

achievement and transition plans.

Prerequisites: admitted to Teacher Education

Preparation Program, score of 1

and background check completed with a score of 1

### **SPED 495 — Student Teaching in SPED**

Credit Hours: 3.00

The course addresses student teacher state required field experience hours to be completed in a 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 160 hours in a secondary school setting. The instructional team shall be composed of the secondary special education students, student teacher, cooperating teacher, college supervisor, and the building administrator.

Prerequisites: Teacher Ed. Prep. Program, score of 2 and background check completed with a score of 1

## **Theatre**

### **THTR 179 — Movement for Puppeteers**

Credit Hours: 1.00

Prerequisites: none

### **THTR 180 — Introduction to Theatre**

[GT-AH1]

Credit Hours: 3.00

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.

Prerequisites: none

### **THTR 210 — Stage Makeup**

Credit Hours: 3.00

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.

Prerequisites: none

### **THTR 213 — Oral Interpretation of Lit**

Credit Hours: 3.00

Helps develop effectiveness in personal expression and abilities in the oral interpretation of fiction, nonfiction, and poetry.

Prerequisites: none

### **THTR 223 — Beginning Acting**

Credit Hours: 3.00

An introduction to the art of performance 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.

Prerequisites: none

### **THTR 242 — Voice for Performance**

Credit Hours: 3.00

Study of the physical nature of voice production and the sound and mechanisms of speech, including articulation, register, and range. Individual analysis and performance.

Prerequisites: none

### **THTR 250 — Cinema**

Credit Hours: 3.00

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.

Prerequisites: none

### **THTR 255 — Women and Drama**

Credit Hours: 3.00

A survey of the history of women's participation in and development of theatre as a performance and literary art form. It examines the historical, social, cultural, and ideological forces that play a role in the creation of drama and govern our understanding of plays.

Prerequisites: none

### **THTR 279 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**THTR 285 — Stage and Theatre Management**

Credit Hours: 3.00

A study and practice of the 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.

Prerequisites: none

**THTR 288 — Intermediate Acting I**

Credit Hours: 3.00

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 T

**THTR 292 — Workshop**

Credit Hours: 1.00 to 6.00

A short course offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**THTR 310 — Intermediate Acting II**

Credit Hours: 3.00

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 must be obtained to register for this course.

Prerequisites: THTR 223 minimum grade C- or T

**THTR 325 — Styles of Acting**

Credit Hours: 3.00

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 T

**THTR 333 — Theatre Design**

Credit Hours: 3.00

Principles and aesthetics of design for creating scenic, lighting, and sound designs for a variety of stage configurations. THTR 351 is a prerequisite that can be taken concurrently.

Prerequisites: THTR 351

**THTR 335 — Theatre Practicum**

Credit Hours: 1.00 to 3.00

Participation in college 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 of this course.

Prerequisites: none

**THTR 340 — Costume Design**

Credit Hours: 3.00

Fundamental elements of design and study of critical historical periods of costume from Greek through present day.

Prerequisites: none

**THTR 351 — Stagecraft**

Credit Hours: 3.00

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.

Prerequisites: none

**THTR 375 — Creative Dramatics**

Credit Hours: 3.00

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 non-literary lessons.

Prerequisites: none

**THTR 379 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

**THTR 385 — Play Direction**

Credit Hours: 3.00

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 T

**THTR 392 — Workshop**

Credit Hours: 1.00 to 6.00

A short course offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

**THTR 399 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/

study into problems of special interest in the field. By faculty permission and dept. chair approval.

Prerequisites: none

### **THTR 401 — Theatre Hist: Begin Thru 17th C**

Credit Hours: 3.00

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.

Prerequisites: none

### **THTR 402 — Theat Hist: 18th Cent-Pres Day**

Credit Hours: 3.00

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.

Prerequisites: none

### **THTR 403 — Shakespeare**

Credit Hours: 3.00

An advanced study of the plays of William Shakespeare. Emphasis will be placed upon analysis and interpretation of the dramatic structure, the dramatic action, and the language of representative comedies, histories, and tragedies.

Prerequisites: none

### **THTR 430 — Business of Theatre**

Credit Hours: 3.00

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.

Prerequisites: junior or senior standing

### **THTR 465 — Modern Drama**

Credit Hours: 3.00

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 the United States. The focus of the course will be placed equally upon script analysis and dramaturgy.

Prerequisites: none

### **THTR 470 — Classical Drama**

Credit Hours: 3.00

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.

Prerequisites: none

### **THTR 472 — Contemporary Drama**

Credit Hours: 3.00

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 American, Latino, etc.).

Prerequisites: none

### **THTR 479 — Special Topics**

Credit Hours: 1.00 to 6.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

### **THTR 480 — Dramatic Theory and Criticism**

Credit Hours: 3.00

An advanced examination of selected critical writings of major theorists and critical theories in theatre, beginning with the study of Aristotle and including the applications of contemporary theories to a variety of playscripts.

Prerequisites: none

### **THTR 490 — Senior Thesis**

Credit Hours: 3.00

An advanced examination of a single area of theatre. This is the graduating senior's capstone project. The nature of the project will be designed in consultation with the student's academic advisor and his/her senior thesis 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.

Prerequisites: none

### **THTR 492 — Workshop**

Credit Hours: 1.00 to 6.00

A short course offered on an intermittent basis to meet the needs of special constituents.

Prerequisites: none

### **THTR 499 — Individual Studies**

Credit Hours: 1.00 to 6.00

Provides opportunity for individual research/study into problems of special interest in the field. By faculty permission and approval of the department chair.

Prerequisites: none

## Women's Studies

### WS 201 — Women's Studies

Credit Hours: 3.00

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.

Prerequisites: none

### WS 379 — Special Topics

Credit Hours: 1.00 to 3.00

Offered periodically to meet student special interests in the field.

Prerequisites: none

## Administration and Staff

To contact faculty and staff, please visit

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

## Faculty

**Aaron Abeyta** (14-AUG-2002) Associate Professor of English. B.A. Colorado State University, 1994; M.F.A. Colorado State University, 1997.

**Sheryl Abeyta-Brown** (20-AUG-2009) Assistant Professor of Accounting. B.S. Adams State College, 1990; M.T. University of Denver, 2004.

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