# Rocky Mountain College Catalog 2005 -2006

## Programs of Study

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(Note: French, Greek, Italian and Spanish are found under Foreign Languages and Literatures.)
History

Rocky Mountain College is the oldest college in Montana. Its history demonstrates a commitment to excellence and an openness to all points of view. Adversity has led to strength through the joining of a liberal arts tradition and the heritage of practical training for specific careers. The union of three distinct religious traditions has resulted in a church-related college that considers all questions in an open and non-sectarian manner.

In 1877, a small group of Methodists met in Bozeman to establish a school in a principal area of the Territory. The committee included former Governor Benjamin J. Potts and minister-missionary Brother William Van Orsdel. The committee found roadblocks along the path to success, so a contingent from Deer Lodge, Montana decided to establish the Montana Collegiate Institute in 1878 with three faculty, about two dozen students, and tuition of only $15 to $25 (payable in advance, of course).

Four years later, the Presbyterian Church assumed control and chartered The College of Montana with three brick buildings and a beginning student population numbering 160. Tuition had risen to $5 per month. Meanwhile, in 1889, the Methodist Episcopal Church opened Montana University, later changed to Montana Wesleyan University, located in Helena. The assets, organizations, and traditions of these Presbyterian and Methodist institutions merged in 1923 under the aegis of Intermountain Union College in Helena.

In 1904, two decades prior to the founding of IUC, two brothers from Maine, Lewis T. and Ernest T. Eaton, leased the abandoned campus at the College of Montana and renamed it the Montana College and School of Manual Arts. In 1908, the brothers moved to Billings and established the Billings Polytechnic Institute, using the same blend of practicality, cultural arts, and civic and religious training of youth in their curriculum.

Earthquakes seriously damaged the Intermountain Union College buildings in 1935, and after a brief move to Great Falls, IUC accepted the invitation to relocate on the Billings Polytechnic Institute campus. As affiliates, the institutions developed integrated programs and then merged into a single college named Rocky Mountain College by student vote in 1947.

The College maintains a proud blend of traditions as part of its heritage. One enduring tradition, the Candlelight Supper, heralds the anniversary of the day Billings Polytechnic Institute moved from downtown Billings to its present location. The event was so named because on moving day in 1910, there was no electricity in the buildings. A supper of cold sliced meat, cold boiled potatoes, cold baked beans, and doughnuts was served by candlelight. Since then, that first meal has been honored each year with a Candlelight Supper. The tradition is observed nationwide and in foreign countries as Rocky Mountain College alumni from far and wide convenes for their own Candlelight Suppers approximating the atmosphere, if not the menu, from that first supper.

Another more recent but equally popular tradition is the Yule Log Dinner and the Lighting of Losekamp. This Christmas ceremony involves the College community in a celebration of all the beauty, spirituality, and sentiment of the season.

Since the merger of Intermountain Union College and Billings Polytechnic Institute in 1947, Rocky Mountain College has been fortunate to have the following presidents as leaders:

- William D. Copeland – 1947-51
- Herbert W. Hines – 1951-58
- Philip M. Widenhouse – 1958-66
- Lawrence F. Small – 1966-75
- Bruce T. Alton – 1975-86
- James J. Ritterskamp, Jr. – 1986-87
- Arthur H. DeRosier, Jr. – 1987-2002
- Thomas R. Oates – 2002-Present

Rocky Mountain College continues its tradition of joining practical skills and the liberal arts, “The Liberal Arts in Action.” All the strains of our history are valued as students are prepared to be leaders in the 21st century.

Mission

Rocky Mountain College educates students in the liberal arts and selected professional fields. The liberal arts underlie our commitment to rational inquiry, creative expression, critical thinking, and the practical application of knowledge. We strive to develop reflective, ethically responsible, and productive citizens. We celebrate and strengthen that which unites all of humanity.

Core Values:

With our roots in both the practical and liberal arts, we value the broadly educated person who is skilled both within a specific discipline and across other disciplines. We honor intellectual curiosity, scientific reasoning, and open discussion. We advocate for a life committed to excellence and service to others, and we work to create a setting in which students are prepared to confront the significant challenges of our time.

As a college situated between the northern high plains and the Rocky Mountains, we recognize the
distinctive cultural and environmental assets of our region, and we endeavor to address the complex issues that attend such abundance.

As an independent college founded in the Christian tradition, we seek to understand that tradition in an open and non-sectarian way. We uphold the importance of one’s beliefs with respect for and fair consideration of others’ beliefs.

As a residential college, we treasure the personal and communal aspects of our intimate campus atmosphere. We approach learning as a mutual endeavor and believe that students learn best when invited to join a community of faculty and staff who are themselves learners. We are committed to student service in all its forms.

**Church Relations**

Rocky Mountain College is affiliated with the United Church of Christ, the United Methodist Church, and the Presbyterian Church (USA). The College is non-sectarian in spirit and program. The College actively upholds both the importance of religious faith and the necessity for religious tolerance and free inquiry. It encourages classroom discussion of the religious roots and implications of academic questions whenever relevant. All students are encouraged to develop and/or strengthen their religious beliefs, while the religious convictions and questions of all members of the college community are taken seriously.

**The Campus**

The campus of Rocky Mountain College occupies approximately 60 park-like acres in the northwest residential section of Billings. Deciduous and evergreen trees, shrubs, and perennials make the campus particularly welcoming.

Alden Hall, 1937. This attractive stone and stucco building, the gift of the Alden Trust and founded by the late George Alden, Worcester, Mass., served as a residence hall for men until 1973. Currently, it houses faculty offices and the Institute for Peace Studies.

Anderson Hall, 1970; 1998. Anderson Hall offers traditional residence hall housing for 72 students, with common restrooms, showers, and kitchens. The ASRMC lounge in the basement is one of the campus’s most popular spots. Anderson is connected to Widenhouse Hall, a co-ed complex of rooms and suites, each with private bathrooms and kitchenettes. The hall is named for Lula Anderson, a member of the first graduating class of Billings Polytechnic Institute.

Bair Family Center for the Sciences, 1981. Named for the family of Montana pioneer and rancher, Charles M. Bair, Rocky’s major science facility houses the science and mathematics disciplines and is complete with classrooms, laboratories, seminar rooms, faculty offices, and the computer center. It also houses the Nuclear Magnetic Resonance (NMR) Spectrometer. The facility was made possible by a major gift from Alberta M. Bair, daughter of Charles M. Bair, together with gifts from other donors to the Second Century Fund.

Bair Family Student Center, 1961; 1998. Located in the center of the campus, north of the Rocky Green, this structure houses the dining room, snack bar, bookstore, game room, student lounge, campus mail services, the offices of ASRMC, career services, and the vice president/dean of student life. The building has been extensively expanded and remodeled.

Billings Studio Theater, 1971. This building affords an excellent facility for dramas as well as a commodious lecture hall, seating 250. It was built in cooperation with the Billings Studio Theater community drama group.

RMC Bookstore, 1961; 1998. The college bookstore, stocked to meet students’ needs in books and supplies, is located in the Bair Family Student Center.

Eaton Hall, 1909. Originally known as Science Hall, this building, the gift of a group of pioneer businessmen in Billings, houses administrative offices as well as the distance-learning program. The hall is named for the founders of Billings Polytechnic Institute, Lewis T. and Ernest T. Eaton.

The Educational Resource Center, 1958; 1999. This building houses the Paul M. Adams Memorial Library, computer equipped writing, data, and business classrooms, and a distance learning center. The library, now the largest part of the ERC, contains a collection of over 85,000 books and periodicals accessible via the library’s computer catalog. The ERC also houses the Alice Giddings King Memorial Archives, the College’s Heritage Archives and collections belonging to the United Methodist Church and the United Church of Christ.

Flight Training Operations, 2002. Located near the Laurel Municipal Airport, new runways and airfield facilities provide a superb flying environment with quick access to flight training airspace. The fleet of new Piper Archer IIIs, with modern navigation and avionics systems, provides basic training aircraft for students. Beechcraft Bonanza and Baron aircraft round out the fleet. Nearby Billings Logan International Airport provides radar controlled instrument training capabilities for advanced training.

Fortin Education Center, 1969. Fortin Education Center houses several academic programs, a gymnasium, auxiliary exercise areas, a swimming pool, a health suite, a
large lecture hall, classrooms, laboratories, and offices for faculty and administrators. It is named for Philip Fortin, a Billings businessman and philanthropist.

**Intermountain Equestrian Center.** Located nine miles from campus, Rocky Mountain College contracts facilities that include a large, heated indoor arena, two large outdoor arenas, round pens, numerous trails for pleasure riding, and top-notch stabling for 60 horses.

**Jorgenson Hall,** 1964; 1998. This residence hall consists of 48 apartment units with private entrances. On the west end of campus, Jorgenson is a fine retreat for our upperclass, nontraditional, and married students, as well as students with families.

**Kimball Hall,** 1914. This stone and stucco building, formerly a residence hall for women, was named for the late Mrs. Flora Kimball, Portsmouth, New Hampshire. She was the principal donor of funds for its construction.

**Losekamp Hall,** 1917. This building of sandstone, in a modified Collegiate Gothic style, was a gift of the late John D. Losekamp, a pioneer merchant of Billings. It houses the music and theatre arts programs and the Ruth and Vernon F. Taylor Auditorium, which is used for convocations, chapel services, drama productions, recitals, and other special events. It also has studios, practice rooms, and classrooms.

**Morledge Physical Plant Building,** 2001. This structure, provided by the generous gift of Dr. Charles and Patti Morledge, houses equipment used to maintain the campus buildings and grounds.

**Prescott Hall,** 1916; 2001. This stone building was erected through the generosity of the late Amos L. Prescott of New York City. The commons is a large paneled room with a wooden and beamed ceiling and has large fireplaces at each end. Before 1961 it served as the dining hall. Extensive renovation and expansion were completed in fall 2001. It currently houses administrative offices and serves as a gathering place for the campus community.

**Rimview Hall,** 2004. Located on the western edge of campus, this residence hall provides 200 private rooms within a suite-style complex (four students with private sleeping quarters per suite). Each suite is equipped with a micro-kitchen and ½ baths. Occupancy of this facility is restricted to students with sophomore status or higher.

**Rocky Hall,** 1989. This stucco building located on the corner of Rimrock Road and Augusta Lane houses the aviation program and a day care center.

**Rocky Village,** 1973. Rocky Village is a business and housing development on the south campus.

**Technology Hall,** 1922. This commodious sandstone structure contains offices, classrooms, art gallery, art laboratories, and the college maintenance department.

**Tyler Hall,** 1930. This beautiful sandstone building in the Collegiate Gothic style is architecturally one of the finest on the campus. This gift of Mrs. G. W. Mehaffey, Brookline, Mass., is a memorial to her father, the late W. Graham Tyler. It served until 1971 as a men's residence hall. It now houses faculty offices and laboratories for the computer science program.

**Widenhouse Hall,** 1961; 1998. Dedicated in 1973 to the memory of Philip M. Widenhouse, third president of Rocky Mountain College, this residence hall provides traditional and suite-style accommodations for 176 students. Each room has a private bathroom and kitchenette with refrigerator, sink, and microwave with adjoining storage rooms and personal laundry facilities.

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**Peace Studies**

**Dr. Lawrence F. Small, Board Chair**

**Cindy L. Kunz, Administrator**

Founded in May of 1990, the Institute for Peace Studies at Rocky Mountain College operates under a 28-member board of advisors, with the administrator and the board chair reporting directly to the Rocky Mountain College board of trustees. Its administrator, assisted by part-time staff, work-study, and community volunteers, works year round to bring programs like the Festival of Cultures, Peace Village, and “We are Women” Conferences to the region. Outreach includes going into the classroom with Rocky Mountain College’s international students and sharing a diversity program, bringing the “Second Step” conflict resolution curriculum to rural and reservation elementary schools, and designing a recently completed program (Russian Farming - A New Day) that involved working with Russian farmers as they privatized agriculture in the Kuzbass region of southern Siberia. The Institute facilitates an upper-division political science class (“Bross Peace Seminar”) during each spring semester, challenging students to review areas of current conflict and also areas where peace has been successfully maintained or restored. Each year, on the stage of the Alberta Bair Theater, the Institute presents the prestigious Jeannette Rankin Peace Award and the Edith Gronhovd Peace Essay Awards, and features a noted peacemaker along with outstanding entertainers who come together for an evening “In Praise of Peace.” The Institute’s mission, “to seek through education to examine and promote alternatives to violence in the behavior of individuals, groups, organizations, communities, and nations,” continues to attract members from a wide variety of ethnic, political, and socioeconomic backgrounds.

Speakers are available and visitors are always welcome. The Peace Institute is located in Alden Hall (103). Contact the Institute via email at PeaceStudies@Rocky.edu or by phone at (406) 657-1042.
Admission

Bonnie Knapp, Director

The College invites applications for admission from students who demonstrate academic ability and who are seriously interested in the total development of character, intellect, leadership, and skills. Admission is based upon careful review of all the credentials presented by an applicant. Selection is made without regard to race, color, gender, age, religion, national or ethnic origin, physical or mental disability, veteran status, sexual orientation, or familial status.

Requirements for Admission

All applications for admission are reviewed on an individual, rolling basis. Criteria for admission to Rocky Mountain College are listed below. Any exceptions are clearly identified for each group of applicants. Once an applicant’s file is complete, the admissions committee will make a decision on the student’s application for admission. It is in the student’s best interest to apply early for admission.

Students seeking admission must submit the following:

1. Rocky Mountain College application for admission
2. non-refundable application fee (international students, $40; all others, $25)
3. results of the ACT or SAT test may be required
4. official transcripts (high school, GED, and/or any post-secondary institutions)
5. an essay and two letters of recommendation may be required

In addition, the factors listed below may also be considered in reviewing applications for admission:

1. school transcripts
2. community service and work experience
3. extracurricular activities
4. special circumstances (e.g., health or personal)
5. ACT/SAT scores
6. recommendation forms
7. essay

For additional information, contact the office of admissions at 1 (800) 87 ROCKY.

Freshman Student Admission

Admission Criteria:

• High school diploma and a cumulative GPA of 2.50 or higher or an ACT/SAT score of 21/1000 or higher.

• The student services committee of the faculty will consider students with a cumulative GPA below 2.50 or a GED and an ACT/SAT score below 21/1000 for admissions.

• In addition, students with a cumulative GPA below 2.50 or a GED and an ACT/SAT score below 21/1000 will have to submit an essay and two recommendation forms from references prior to review by the committee. Following the review, the student will be granted regular admission, conditional admission, or will be denied admission.

• High school students may be considered for admission with grades reported through their junior year in high school. Final official transcripts noting certification of graduation and class rank must also be submitted before a student enrolls. Those students earning a GED must submit an official record of their scores, having them sent directly from the granting agency to the College.

Nontraditional Freshman Student Admission

Nontraditional students are those students who completed high school five or more years ago and have not attended any post-secondary institutions.

Admission Criteria:

• High school diploma and a cumulative GPA of 2.50 or higher meet the requirement for regular admission. ACT/SAT scores are not required for an admissions decision, but are helpful for placement into the appropriate college-level English and mathematics courses.

• Students with a GED or a cumulative high school GPA of 2.50 or below will be considered for admissions by the student services committee as outlined above. ACT/SAT scores are not required for an admissions decision.

• Students will be required to submit an essay and two recommendation forms from references.

Transfer Student Admission

Admission Criteria:

• Students who attempt 27 or more semester credits and have successfully passed a minimum of 27 that count towards Rocky Mountain College general education requirements and/or a Rocky Mountain College established major, and have a minimum of a 2.00 GPA meet the requirement for regular admission.

• Students who attempt 27 or more semester credits and have less than 27 credits that count towards Rocky Mountain College general education requirements and/or a Rocky Mountain College established major, will be reviewed by the admissions committee and may be required to submit additional materials.
• Any student, regardless of number credits transferring, who has been dismissed, placed on probation, or documented as not being in good standing with any prior institution will be reviewed by the admissions committee and may be required to submit additional materials.

• Students who have attempted less than 27 semester credits will need to submit any college transcripts, high school transcripts and test scores to meet regular admission requirements.

Admission Checklist:

Students who desire to transfer with advanced standing from another college must submit the following, in addition to the items listed under “Requirements for Admission”:

• ACT or SAT results. Students with 27 or more transferable semester credit hours are not required to submit ACT or SAT results.

• Official high school transcripts or official record of GED scores. Students transferring 27 or more credits to Rocky Mountain College are not required to submit high school transcripts or GED scores.

• Official transcripts from all colleges, vocational schools, or other post-secondary schools previously attended.

NOTE: Although the College reserves the right to refuse incoming transfer credits, credits from equivalent accredited colleges normally will be accepted, subject to these conditions:

a. No more than 94 semester hours or 135 quarter hours of credit are acceptable from four-year colleges.

b. No more than 64 semester hours or 96 quarter hours are acceptable from two-year colleges.

c. No junior- or senior-level credit will be allowed for courses from two-year colleges.

d. No “D” or “F” grades will be accepted.

e. No preparatory/developmental classes below 100 level will be accepted.

Failure to reveal records of previous college attendance can be grounds for dismissal. The office of the registrar makes final determination of acceptance of credit.

International Student Admission

Rocky Mountain College invites students from other nations to apply for admission. The following prerequisites must be met for admission consideration:

Admission Criteria:

• Students with a high school diploma and a cumulative GPA of 2.50 and higher and a Test of English as a Foreign Language (TOEFL) score of 525 or higher (203 or higher on the computerized version, or an equivalent TOEFL score of 525 or higher on other recognized, standardized tests of general English language proficiency) meet the requirements for regular admission.

• The student services committee of the faculty will consider students with a cumulative GPA below 2.50 and/or TOEFL score of below 525 (or an equivalent TOEFL score of below 525 on other recognized, standardized tests of general English language proficiency).

• Students with a cumulative GPA below 2.50 and/or TOEFL score of below 525 (or an equivalent TOEFL score of below 525 on other recognized, standardized tests of general English language proficiency). are required to submit additional information, including an essay and two recommendations from references prior to admission review by the committee. Following the review, the student will be granted either regular admission or conditional admission, or will be denied admission.

The following information may be considered in reviewing international students’ applications for admission:

1. essay
2. recommendations
3. school transcripts
4. extracurricular activities
5. level certificates or mark sheets
6. special circumstances (e.g., health or personal)
7. TOEFL scores (paper or computerized versions)
8. scores from other standardized tests of general English language proficiency

Admission Checklist:

In addition to the application for admission and the non-refundable application fee, the following are necessary to complete the international student admission process:

1. certified copies of transcripts from all secondary and post-secondary schools attended (Transcripts must be written in English.);

2. a one-page essay which explains the student’s academic goals;

3. a TOEFL score of 525 (or 203 on the computer version) or higher; and

4. a statement of financial support from the student’s sponsor or bank. This form is provided by Rocky Mountain College and must show that the student has adequate resources to pay expenses for the first year, such as tuition, fees, room, board, books, and other living expenses.
International Student Transfer

Admission

If transferring from a college or university within the United States, a verification of status report is required. This form is provided by Rocky Mountain College. Refer to the transfer student section for additional requirements. If transferring from a college or university outside of the United States, an evaluation of non-U.S. post-secondary credentials may be required. A form can be provided by Rocky Mountain College.

Admission Criteria:

• Students who have completed 27 or more transferable semester credit hours from an accredited college or university and who have a cumulative college GPA of 2.00 or higher and a TOEFL score of 525 or higher (or an equivalent TOEFL score of 525 or higher on other recognized, standardized tests of general English language proficiency) meet the requirements for regular admission.

• Students transferring from colleges or universities in another country must pay an additional fee to have their credentials evaluated by an independent agency.

• Students with a cumulative GPA below 2.00 and/or TOEFL score below 525 (or an equivalent TOEFL score below 525 on other recognized, standardized tests of general English language proficiency) will be considered for admission by the student services committee of the faculty as outlined above.

Upon acceptance to Rocky Mountain College, international students will be forwarded an admissions packet. It will contain the following items:

1. official acceptance letter
2. I-20 AB (used by the student to obtain an F-1 student visa)
3. residence hall contract
4. student health form and the news and information form
5. a letter from the international student advisor

Items 3 and 4 above and a non-refundable $200 tuition deposit should be returned to Rocky Mountain College. The deposit will reserve space in the student’s major and will be credited to the student’s account.

For more information about international student admission, contact the office of admissions at the address given at the end of this section. International students for whom English is a second language should contact the Director of International Programs at (406) 657-1107.

International Exchange Students

These students are not seeking degrees from the College but are enrolled as visiting students for a semester or a year with the goal of improving their English language skills, exploring the region and American culture, and taking courses of interest to them.

Admission Criteria:

• The usual requirements for admission are waived for visiting international exchange students. Instead, articulation agreements between partner institutions will establish mutual requirements.

• Students are screened by committees at the partner institutions or meet criteria set by the consortia through which exchanges are facilitated. Typically, students must be “C+” or better students and must have English language proficiencies near that of the College requirement, but standardized test scores are not required. Students receive Pass/Not Pass grades, certificates of participation, and copies of transcripts.

Readmission Guidelines

Students who previously attended Rocky Mountain College but were not enrolled during the previous semester must apply for readmission. Applications for readmission are available to download from the Rocky Mountain College website at [http://academics.rocky.edu/index.php?topgroupid=2&groupid=34](http://academics.rocky.edu/index.php?topgroupid=2&groupid=34) or from the office of the registrar. Students must submit the application along with all transcripts from institutions attended since their last enrollment at Rocky Mountain College.

Admission Criteria:

Students who left Rocky Mountain College in good academic standing will be approved for readmission if they

• have a minimum of 2.00 GPA on a 4.00 scale from any institution attended since their last enrollment at Rocky Mountain College;

• are in good standing at these institutions; and

• have not been convicted of a criminal offense.

The student services committee of the faculty will consider any student who does not meet these criteria, including students with a Rocky Mountain College cumulative GPA below a 2.00, for readmission. In addition to the readmission application, students are required to submit an essay for review by the committee. The essay should address the following:

1. an explanation of past performance;
2. strategies the student will employ to improve his or her academic standing; and
3. changes in the student’s personal life which will contribute to academic success.
Following this review, the student will be granted either regular admission or conditional admission, or will be denied admission.

Veterans Admission
Veterans of the armed services are encouraged to apply for admission and should follow the guidelines for “Freshman Admission” or “Transfer Admission.” The College will give appropriate credit for college-level courses taken in the armed services. Credit evaluation is based on the American Council of Education guidelines and is awarded after successful completion of one semester. (See the “Academic” section of this catalog for guidelines.) Veterans and children of deceased veterans who are eligible for veteran’s administration (VA) funding must secure a certificate of eligibility through the regional VA office. The financial aid office serves as the VA representative on campus.

Early Admission
Students who wish to complete their senior year in high school concurrently with their freshman year in college may apply for early admission. Students who apply for early admission are required to submit material outlined in the “Freshman Student Admission” section in this catalog. In addition, the following items are required:
1. letter of approval from parent or legal guardian;
2. letter from the student’s high school principal recommending early admission; and
3. letter from the student’s high school counselor or teacher indicating the level of student’s academic ability, emotional maturity, and social development.

A student accepted under the early admission policy is not required to show evidence of having earned a high school diploma. Upon request, the College will attempt to arrange a freshman-year curriculum for the student with course work that parallels the high school classes for which credit is needed. Through this procedure, the student may earn a high school diploma while attending college. The student’s principal and/or local school board must approve such an arrangement.

“Explore College During High School” Program Admission
High school juniors or seniors who wish to take college courses while still in high school need to complete the application for admission (high school) and submit a letter of recommendation from a high school counselor or principal. There is no application fee for this program.

Students are able to enroll for up to 6 semester hours each semester while they are juniors and seniors. This includes the summer session between their junior and senior years.

Students wishing to continue their education at Rocky Mountain College after high school must follow the guidelines outlined in the “Freshman Student Admission” section.

Audit Student Admission
Individuals may attend classes without receiving credit by auditing the class. There are no admission requirements; however, students are required to pay an audit fee in addition to any materials fees. Audit class availability is dependent on space and permission of the instructor. Contact the office of the registrar for more information.

Learning Disabled Student Admission
Rocky Mountain College has a program for students with learning disabilities. Refer to information contained in the “Services for Academic Success” section.

Process of Admission Confirmation
The admissions staff or the appropriate faculty committee will make a decision on a student’s application for admission after all the required credentials have been presented. Admissions decisions are made on a rolling basis throughout the year, and students may be admitted any semester. After the decision has been made regarding a student’s application for admission, the student will be notified immediately.

Upon acceptance to Rocky Mountain College, students will be sent a letter of acceptance, as well as the following forms:
1. Residence Hall Contract or Off-Campus Residency Application
2. News and Information Form
3. Student Health Service Form
4. Services for Academic Success Application Form
5. Family Education Right to Privacy Act Form (FERPA)

Students are asked to submit the above items along with a $200 non-refundable tuition deposit. The deposit will be credited to the student’s account and will guarantee enrollment in the student’s chosen major.

The College reserves the right to deny admission to any applicant whose academic history or personal qualifications are judged to be unsuitable for college work and living at Rocky Mountain College.
Degree Completion Program Admission

Stephanie Schmitz, Director

Requirements for admission into the degree completion program to earn a bachelor of science degree in management are as follows:

1. completion of approximately 62 semester hours from an accredited college, university, or post-secondary institution;
2. submission of official transcripts from all accredited colleges, universities, or post-secondary institutions attended. Students must have a GPA of at least 2.00 on a 4.00 scale on all prior academic work;
3. completion of the application for admission and payment of a non-refundable application fee of $25; and

NOTE: The degree completion program admissions committee may consider an applicant who does not meet the above-stated requirements for admission.

Master of Physician Assistant Studies Program Admission

Dr. Scott Murray, Interim Director

Students must apply through the Central Application Service for Physician Assistants (CASPA). Complete CASPA information can be obtained online at www.caspaonline.org, or by calling 240-497-1895. Also refer to the physician assistant section in the “Department” section of this catalog for additional requirements for admission to the physician assistant program.

Students seeking admission to the physician assistant program who do not have the required course work completed are encouraged to complete this course work at Rocky Mountain College. A pre-physician assistant curriculum can be designed to meet the minimum course work requirements to seek admission to the physician assistant program. Enrolling in pre-physician assistant course work at Rocky Mountain College does not guarantee admission into the physician assistant program.

Financial Assistance

Lisa Browning, Director

Students who intend to apply for financial assistance must be accepted for admission to Rocky Mountain College (see “Admissions” section of the catalog). If a student is applying for federal financial assistance, Rocky Mountain College will also need results from a completed Free Application for Federal Student Aid (FAFSA). With this form, the student’s financial need and eligibility for the federal student financial aid programs and many Rocky Mountain College scholarships/grants are determined. The FAFSA is available from any high school or college financial aid office. The preferred method for completing the FAFSA is on line at www.fafsa.ed.gov. The College will receive the results electronically when a student lists Rocky Mountain College as a college choice. Students who wish to be considered for federal financial assistance will need to complete the FAFSA each academic year that they attend Rocky Mountain College.

When a student’s financial assistance eligibility has been determined, a financial assistance award notice will be mailed to the student. Accompanying the award letter will be consumer information further explaining the financial aid process.

Satisfactory Academic Progress

The federal government and Rocky Mountain College require students to maintain satisfactory academic progress toward a degree in order to continue receiving both federal and institutional financial aid. The following requirements are consistently applied to all students, full-time or part-time, who are receiving financial assistance.

1. Students must maintain a cumulative GPA of at least 1.75 until they have completed 26 credits including transfer credits;
2. Students must maintain a cumulative GPA of
at least 2.00 after completing 27 credits including transfer credits. Transfer students must also maintain a cumulative GPA of 2.00 in the credits attempted at Rocky Mountain College.

3. All students must complete at least 67 percent of all credits attempted.

Grades of “I,” “W,” “F,” “X,” and “NP” ARE counted as courses attempted but not successfully completed and will be counted as such in the determination of completion ratios. If a student completed a class that had a grade of “I” during a probationary semester, the actual grade will be registered, the student will receive credit for the course, and the grade will be factored into the qualitative component. It is up to the student to notify financial aid personnel of this change in order to re-examine the student’s probationary status. Non-credit remedial courses are not considered when determining satisfactory academic progress. When a student repeats a course, the grade for the last course attempted will be used to compute the academic record.

Institutional assistance is available to full-time students up to the number of semesters it would take to normally receive the degree they are seeking. If a student is in a four-year program, institutional aid will be granted for four years. Federal guidelines expect students to complete their degree objective within 150 percent of the published length of the educational program. For instance, a student enrolled in a bachelor’s degree program requiring 124 semester credits in order to graduate could attempt up to 186 credits before federal student financial aid would be terminated. Transfer credits will be included in the overall number of attempted and completed credits.

Satisfactory academic progress is reviewed at the end of each semester, including summer terms. Students who fail to maintain satisfactory academic progress during the semester will be placed on financial aid probation for the next semester enrolled. Students on probation may receive all financial aid except for federal or Rocky Mountain College work-study for one semester and must meet the conditions of probation. Students who fail to meet the conditions of their financial aid probation will be suspended from further financial aid at Rocky Mountain College.

Financial assistance suspensions may be appealed to the director of financial assistance within 15 days of notification of suspension. Generally, appeals will be granted for extraordinary circumstances beyond the student’s ability to control, such as prolonged illness or injury or death of an immediate family member. The appeal must be in writing and be documented to the extent that proof exists. A decision regarding the appeal will be sent to the student in a timely manner.

Students on financial aid suspension may regain eligibility for financial assistance by re-establishing the required GPA and/or completion ratios using their own resources. A student who repeatedly violates the standards for satisfactory academic progress may be suspended from further financial aid eligibility at Rocky Mountain College without a probationary period. It is the responsibility of the student to notify financial aid personnel when he or she has re-established satisfactory academic progress.

PLEASE NOTE: If a student does not maintain a cumulative GPA of at least a 2.00 after completing his or her second academic year at Rocky Mountain College (four semesters of attendance), the student will be suspended from all financial assistance without a probationary period until the cumulative GPA is at least a 2.00.

Types of Financial Assistance

There are three types of financial assistance available to students attending Rocky Mountain College:

1. grants and scholarships
2. loans
3. work opportunities

Grants and Scholarships

Federal Pell Grant: Based on the demonstrated financial need of the student as determined by the federal government when a student submits the Free Application for Federal Student Aid (FAFSA).

Federal Supplemental Educational Opportunity Grant (FSEOG): Based on demonstrated financial need of the student and awarded by the financial aid office as long as funds are available.
Institutional grants and scholarships: Rocky Mountain College provides institutional grants and scholarships based on financial need and/or merit from the College’s financial resources. A student is not required to apply for federal student assistance in order to be eligible for Rocky Mountain College financial assistance. The maximum institutional amount for which a student is eligible is awarded to the incoming student and is guaranteed to the student within institutional packaging policy requirements. The student must be making satisfactory academic progress toward his or her degree and must maintain a cumulative GPA of at least 3.00 in order to keep academic scholarships. Other exceptions are those students receiving athletic grants. The complete awarding policy is located in the financial aid office.

Rocky Activity Grants
Activity grants are based on merit and participation. Art, vocal, instrumental, keyboard, theatre, creative writing, and forensics grants are available for student participation. The director of financial assistance, with the recommendation of the activity director, makes awards. The amount of each grant is determined by an audition or interview and by the amount of institutional assistance for which the student is eligible. Continuation of the award is at the discretion of the program director. Entering students should contact the office of admissions to set up an interview or audition with the program director.

Athletic grants are available for football, men’s and women’s basketball, men’s and women’s alpine skiing, women’s volleyball, women’s golf, and women’s soccer. Awards are made by the director of financial assistance in consultation with the coaches in each sport.

Merit-Based Scholarships
These scholarships include but are not limited to:

Academic Scholarship: This scholarship is based on academic performance. A minimum cumulative GPA of 3.00 is required. Students are eligible for only one institutionally funded academic scholarship each year. Students falling below a cumulative GPA of 3.00 will lose their academic scholarship. Reinstatement of an academic scholarship is at the discretion of the director of financial assistance and is dependent upon the availability of institutional funds.

Departmental Scholarship: Students majoring in environmental science, business, aviation, or equestrian disciplines are eligible to apply for departmental scholarships. The director of financial assistance, with the recommendation of the activity director, makes awards. The amount of each scholarship is determined by an audition or interview and by the amount of institutional assistance for which the student is eligible. Entering students should contact the office of admissions to set up an interview or audition with the program director.

Other Grant and Scholarship Opportunities
Church Matching Fund Scholarship: This is an opportunity for churches to provide scholarship funds for student members. The College may match an amount up to $500 per academic year. Because this grant is part of the student’s overall institutional award, the student’s church must notify the financial aid office in writing of its intentions by June 1st of the award year in order for the scholarship to be considered. The church’s portion of the award is over and above the institutional assistance awarded to the student.

RMC Alumni Scholarship: Any student whose parent or grandparent graduated from Rocky Mountain College may be eligible for $1,000 per academic year. The student must notify the financial aid office that he or she is applying for the Alumni Scholarship by June 1st of the award year for the grant to be considered.

Family Grants: If two or more students from the same family attend Rocky Mountain College during the same academic year, each will receive a $1,000 family grant.

Annually Funded and Endowed Scholarships: Rocky Mountain College funds students through the generosity of many donors. Students will be considered for these scholarships based on the information provided on their admissions application.

Eligibility
Rocky Mountain College students obtaining their first baccalaureate degree who are in good academic standing and enrolled full-time are eligible for institutionally funded financial assistance for up to four years unless they are enrolled in a five-year program. Students enrolled in the degree completion program are not eligible for institutionally funded financial assistance. Contact the financial assistance office personnel for complete policies and procedures regarding financial assistance. Scholarships not administered by Rocky Mountain College provide many students with aid to attend college. In most cases the student must apply directly to the donor group. These grants must be reported to the director of financial assistance. Many of our students have received help from such organizations as the Veterans Administration, Indian Health Service, Social Security Administration, fraternal organizations, service clubs, and local & national churches.
Loans

The Federal Perkins Loan Program is awarded to students who have a high unmet need after all grant aid is awarded. Because this is a federal program, the student must complete the Free Application for Federal Student Aid (FAFSA). This loan is granted to the student by Rocky Mountain College. A student accepting a federal Perkins loan will sign a promissory note before classes start. Loan funds are limited so the federal Perkins loan is awarded to students on a first-come, first-served basis. Repayment of the loan and accumulation of the 5% interest does not begin until nine months after the student graduates, drops below halftime or withdraws from college. Cancellation provisions exist for students performing certain types of volunteer work, teaching, military service, or law enforcement.

The Federal Family Education Loan (FFEL) Program provides low-interest loans to students in order to pay for their educational expenses. Loan funds are available from banks, credit unions, and fraternal loan agencies. The interest rate for all loans borrowed after July 1, 1993 is variable with a cap of 8.25%. Loan borrowers must be aware they may be paying different interest rates on loans when they go into repayment. The interest rate is stated on the master promissory note. The Federal Family Education Loan Program offers both subsidized and unsubsidized Stafford loans. Students must complete a Free Application for Federal Student Aid (FAFSA) in order to determine the type of student loan for which the student qualifies.

A subsidized Stafford student loan is need-based. Interest on loans borrowed is paid by taxpayers, and the principal payment is deferred while the student is attending college at least halftime.

An unsubsidized Stafford student loan is not based on need. Interest accrues to the student when the loan is disbursed. The principal payment is deferred while the student is attending college at least halftime. The student borrower is responsible for the interest by either paying the interest or asking the lender to capitalize the interest when the student goes into repayment. Independent students and those dependent students whose parents have been denied a parent loan may be eligible to borrow additional unsubsidized Stafford loan amounts.

The financial aid office determines eligibility for either of the above loans. The type of loan for which the student is eligible will be included with the financial aid award letter with instructions regarding lenders and loan amounts requested. The student will complete a master promissory note the first time a loan is borrowed.

The Federal Parent Loan for Undergraduate Students (PLUS) is the third loan in the Federal Family Education Loan program. As the name states, the parent is the borrower. This loan is not based on need and all families are eligible to apply. The Free Application for Federal Student Aid (FAFSA) does not need to be completed if the parent so desires. The maximum amount available is determined by subtracting total financial assistance from the cost of attendance. The interest rate is variable with a cap at 9%. Repayment begins 60 days after the loan is totally disbursed. For more information regarding this loan, please contact the financial aid office.

Work

Work opportunities are available to qualified students in the form of work-study. Work-study will be awarded to eligible students as part of their financial aid package. Work-study is available in various areas on campus or with off-campus community service jobs such as reading and math tutors. Although every effort is made to provide students with work-study jobs, the College cannot guarantee a student will be able to earn the amount of money initially awarded. Job availability, funding issues, and class schedules can prevent a student from participating in work-study.

There are two types of work-study programs available. The Federal College Work-Study Program is a federally funded, need-based program. Students who complete a FAFSA and have need may be awarded federal work-study. The Rocky Mountain College Work-Study Program also offers work-study to those students who do not apply for or qualify for federal assistance.

Off-campus employment is available throughout the Billings area. The career services office receives inquiries for all off-campus job opportunities. For information regarding jobs available to Rocky students, visit www.rocky.edu and click on “Career Services” under the campus quicklink.

Tuition and Fees

The board of trustees of Rocky Mountain College reserves the right to change the fee schedule without prior notice. For the 2006-07 year tuition and fee schedule, see the office of the vice president for administration and finance.

2005-2006 Semester Tuition and Fee Schedule

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and general fees (12-19 credits)</td>
<td>$7540.00</td>
</tr>
<tr>
<td>Tuition, part-time (per credit)</td>
<td>630.00</td>
</tr>
<tr>
<td>Tuition, summer session (per credit)</td>
<td>311.00</td>
</tr>
<tr>
<td>High school tuition (per credit)</td>
<td>138.00</td>
</tr>
<tr>
<td>Housing (including room and board)</td>
<td></td>
</tr>
</tbody>
</table>
Widenhouse Hall
  single  2980.00
  double  2780.00
  triple  2630.00
  quad   2455.00
Anderson Hall
  single  2880.00
  double  2330.00
  triple  2080.00
Jorgenson Hall
  (refer to the housing office)
Rimview Hall
  private room (suite)  3280.00
ASRMC student government fee  55.00
ASRMC publication fee (per year)  25.00
Academic lab fee  55.00
Audit fee (per course)  98.00
Audit fee, age 60 or above (per course)  58.00
Overload fee (per credit over 19 credits)  630.00
Study Abroad Fee (outgoing-includes ISEP)  150.00
ISEP Exchange Fee (outgoing)  405.00
International Orientation
  (incoming-not ISEP students)  150.00
CPL/challenge fee (per credit)  39.00
CLEP/DANTES fee (per credit)  39.00
DANTES test fee (per test)  70.00
CLEP test fee (per test)  70.00
Private music fee (per semester hour)  200.00
Student teaching fee (K-12)  283.00
Student teaching fee (Elementary)  250.00
Student teaching fee (Secondary)  250.00
Computer lab fee (part-time students)  10.00
P.E. activities fee (refer to course schedule)  2150.00
Equestrian boarding fee (see section following)  2150.00
Equestrian deposit (returning students)  300.00
Equestrian deposit (new students)  500.00
Equestrian vet deposit  250.00
Aviation lab deposits:
  Flight orientation  800.00
  Private pilot I  5500.00
  Private pilot II  2500.00
  Professional pilot - Instrument I  4900.00
  Professional pilot - Instrument II  2900.00
  Professional pilot - Commercial I  6200.00
  Professional pilot - Commercial II  3800.00
  Professional pilot - Commercial III  6200.00
  Certified flight instructor (part 141)  4300.00
  CFI instrument (part 141)  2900.00
  Multi-engine instructor (part 141)  4700.00
  Certified flight instructor (part 61)  2600.00
  CFI instrument (part 61)  1300.00
  Multi-engine instructor (part 61)  2200.00

Other Fees: Fees for supplies and services will be charged to the student as necessary in certain programs.

There are inherent risks involved in the athletic programs offered by the College. Students are required to carry extra secondary insurance coverage to participate and to sign a waiver indicating their understanding of the risk.

The student pays the equestrian boarding fee to Rocky Mountain College. A non-refundable student deposit paid by the student to Rocky Mountain College, on or before July 1, guarantees stalls. Rocky Mountain College requires full payment of the boarding fee within five days of the beginning of the semester. The boarding fee (per semester, per horse) is $2150.00 for a stall. The vet/farrier deposit is also required at the beginning of each semester. The equestrian stall schedule for each semester begins two days prior to registration for classes and ends the last day of finals week.

Deposits

The admissions deposit (non-refundable) for all Rocky Mountain College students, including degree completion and physician assistant, is applied toward the student’s account and is valid for the next academic year.

The residence hall deposit will be refunded within 60 days of termination of the housing contract, provided satisfactory evacuation conditions have been met.

The vet/farrier deposit is applied to farrier and veterinarian charges. Excess credit on the deposit account will be applied to any balance due Rocky Mountain College, or in the case of no balance, will be returned to the student at the end of the academic year. Likewise, excess charges on
the deposit account will be placed on the student’s regular account statement. Excess deposits will be processed within 60 days of the completion of the spring semester.

### Degree Completion Tuition and Fees

The tuition and fees for the degree completion program have been established at the following levels:

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per semester</td>
<td>$4988.00</td>
</tr>
<tr>
<td>Application Fee</td>
<td>25.00</td>
</tr>
<tr>
<td>Credit for Prior Experience (CPE)</td>
<td>39.00</td>
</tr>
<tr>
<td>Late Payment Fee</td>
<td>15.00</td>
</tr>
<tr>
<td>Late Registration Fee</td>
<td>100.00</td>
</tr>
<tr>
<td>Materials fee</td>
<td>25.00</td>
</tr>
<tr>
<td>Academic lab fee</td>
<td>25.00</td>
</tr>
<tr>
<td>CPL/challenge fee (per credit)</td>
<td>39.00</td>
</tr>
<tr>
<td>CLEP/DANTES fee (per credit)</td>
<td>39.00</td>
</tr>
<tr>
<td>DANTES testing fee (per test)</td>
<td>70.00</td>
</tr>
<tr>
<td>CLEP testing fee (per test)</td>
<td>70.00</td>
</tr>
<tr>
<td>Late graduation fee</td>
<td>25.00</td>
</tr>
<tr>
<td>Withdrawal fee</td>
<td>100.00</td>
</tr>
<tr>
<td>Reinstatement fee</td>
<td>50.00</td>
</tr>
</tbody>
</table>

Degree completion students can elect to pay the semester’s tuition and fees in full at registration or spread tuition payments over time according to the following schedule: at registration, 100% of all fees and 25% of tuition; 10th of each month, 25% of tuition, subject to 1% finance charge per month.

### Physician Assistant Program Tuition and Fees

Rocky Mountain College’s regular fees apply to students in the physician assistant program except as noted below:

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application fee (non-refundable, to CASPA)</td>
<td>25.00</td>
</tr>
<tr>
<td>Summer Tuition (PHA538 &amp; PHA509)</td>
<td>1784.00</td>
</tr>
<tr>
<td>Fall tuition and fees (12-19 credits)</td>
<td>7675.00</td>
</tr>
<tr>
<td>Spring tuition and fees (12-19 credits)</td>
<td>7650.00</td>
</tr>
<tr>
<td>Summer tuition and fees (12-19 credits)</td>
<td>7543.00</td>
</tr>
<tr>
<td>PA Masters assessment fee (per semester)</td>
<td>572.00</td>
</tr>
<tr>
<td>Overload fee (per credit over 19 credits)</td>
<td>630.00</td>
</tr>
<tr>
<td>Enrollment deposit (applied to tuition, non-refundable)</td>
<td>1000.00</td>
</tr>
</tbody>
</table>

### Validation and Payment Terms

Validation is the process of paying tuition and fees and confirming enrollment at Rocky Mountain College. Validation occurs in the business office at the beginning of each semester. **ALL** students must validate regardless if all fees are paid by financial aid or scholarships. A late validation fee of $100 is accessed to students not validated by the end of the first day of classes. Tuition, fees, and room and board charges are due in full at the beginning of each semester, before the first day of classes. A student may attend classes only if he or she is validated.

The College offers two payment methods:
1. **Full Payment** at time of validation.
2. **Budget Payment Plan** divides the semester’s tuition, fees, and room and board charges into four payments. The first payment is due in full at the time of validation. Subsequent monthly payments of the principal plus a 1% finance charge are due by the 10th of each month. Failure to make monthly payments may result in declaring all remaining installments due and payable. If the student withdraws from school and the budget payment plan contract is not paid in full, any refund due the student is applied first to the unpaid balance of the contract. Withdrawal from school does not void the contract.

### Student Account Policies

*No student is allowed to validate or attend classes if he or she currently has a balance due to the College,* excluding the amount due Rocky Mountain College which relates to the federal Perkins loan program.

It is the student’s responsibility to remain current in payment of charges to his or her account.

Validation or the privilege of attending classes may be denied for failure to pay account balances or failure to make payments in accordance with the budget payment plan contract. A hold is placed on a student’s transcripts with account balances due and removed only when the obligation is cleared. Rocky Mountain College will not release the transcript of anyone subject to such a hold.

Past due accounts can result in financial suspension and/or the account being turned over to a collection agency or attorney. The College reserves the right to add to the debt any collection and court costs subsequently associated with collection of the debt.

### Withdrawal Policy

Students contemplating withdrawing from the College must meet with the vice president/dean of student life (or the director of degree completion, if applicable) to discuss the academic and financial implications associated with withdrawing from the college before the end of a semester. The office of the vice president/dean of student life is located in the Bair Family Student Center. Office hours are 8:00 am to 5:00 pm Monday through Friday.

Because Rocky Mountain College is not required to take daily attendance, the official withdrawal date will be the date the student notifies the designated official of his or her intent to withdraw. If the student provides official
notification of withdrawal to the College by sending a letter to the designated office stating his or her intention to withdraw, the official withdrawal date is the date the College receives the letter. The College has the option of using a later date if it has evidence of attendance by the student at an academically related activity on that date. An academically related activity includes, but is not limited to, an exam, a tutorial, academic counseling, turning in a class assignment or attending a study group assigned by the institution.

If a student leaves without official notification, the College will attempt to determine a last day of attendance. Although not required to take attendance, many faculty members do take attendance, thus allowing the College to document an academically related activity. If a last day of attendance cannot be identified, and the College can verify the student attended at least one class during the semester, the 50% midpoint of the semester will be used as the withdrawal date.

Rocky Mountain College does not have a leave of absence policy.

**Return of Title IV Funds - Return of Institutional Funds**

When a student withdraws before 60% of the semester elapses, the College must return to the Department of Education any unearned federal financial aid funds up to the unearned percentage of institutional charges for the portion of the period the student did not complete. Federal dollars which need to be returned will be applied in the following order: unsubsidized federal Stafford loan, subsidized federal Stafford loan, federal Perkins loan, federal PLUS loan, federal Pell grant, federal Supplemental Education Opportunity Grant, and Leveraging Educational Assistance Partnership program. The calculation of the return of these funds may result in the student owing a balance to either the College and/or the federal government.

If the student owes a balance to the College, the amount is due at the time of withdrawal. Arrangements for monthly payments may be set up if the student cannot pay the total amount. The student will not be able to validate his or her enrollment, attend future classes, or obtain transcripts or diplomas, until the balance is either paid in full or satisfactory payment arrangements have been made. If the student owes an overpayment to the Department of Education, the College will report the amount owed to the Department of Education through the National Student Loan Data System (NSLDS). The student will not be eligible for future federal financial aid funds until payment arrangements have been set up with the Department of Education or until the overpayment has been paid in full.

The withdrawal calculation for those students receiving institutional assistance or those receiving no assistance, who withdraw from the College before they have completed 60% of the term, will be evaluated in the same manner as a student receiving federal financial aid.

**Other Refunds After the “Add” Deadline**

No financial adjustment is made for credit load reduction after the last day to add a course, unless the academic vice president has ordered the reduction.

**Campus Life**

*Brad Nason, Vice President/Dean of StudentLife*

The primary responsibility of college students is academic achievement. However, the broadly educated citizen requires non-academic experiences also. Rocky Mountain College, through its co-curricular program, offers each student an opportunity for personal and social growth outside of the classroom.

The College recognizes the educational value of these co-curricular activities. Through them, the student may gain an understanding of fellow students, increase his or her desire to serve the world, and acquire the technique of living and working with others.

**Cultural Opportunities**

The cultural advantages of the Billings metropolitan area can make an important contribution to the student’s educational progress. The Billings Symphony, the Symphony Chorale, and the Billings Studio Theatre (on campus) afford opportunities for participation by qualified students as well as appreciation through attendance of concerts and productions. The Alberta Bair Theater regularly presents nationally touring musicals and performances of classical and contemporary music. The galleries at the Yellowstone Art Center and Western Heritage Center are open to students and will provide the basis for an exploration and appreciation of Western art. The Audubon lecture series, special programs at other educational institutions, and the presentations of civic-minded groups are among the finest in Montana.

**Cultural Series**

The cultural series events held on campus implement the College’s objectives as a church-related, liberal arts school concerned with the development of the student in every facet of his or her personality.
Students are encouraged to augment their formal instruction with a wide variety of programs, including chapel, convocations, concerts, lectures, and similar performances. Cultural events stimulate an appreciation of the role of aesthetic values and of moral and spiritual qualities in contemporary life. Speakers on campus include authorities in areas not included in the College’s curriculum as well as those individuals especially qualified to speak on critical, contemporary issues.

**Student Activities**

**The Concert Band:** The concert band is a combination of both a wind ensemble and pep band. The wind ensemble rehearses and performs selected band literature. The pep band supports the athletic functions of the college.

**The Concert Choir:** The concert choir is the foundation of choral study at the college. Choristers rehearse daily, sing for church services, and present special programs. The choir tours annually.

**Jazz Ensemble:** The jazz ensemble performs a variety of big band styles. The ensemble tours annually.

**Other Groups:** Other performing groups such as the opera workshop, brass quintet, woodwind quintet, four-hand and eight-hand piano ensemble, and jazz quintet are regularly formed during the year to supplement the program.

**Publications:** In the fall, ASRMC and the Student Alumni Association publish a campus directory, which provides addresses and telephone numbers of persons in the Rocky community. The college newspaper, the *Top of the Rock*, is printed monthly and staff membership is open to all interested students. *Soliloquy*, a collection of students’ poetry, stories, and artwork, is published each spring. All students are invited to submit their work. A yearbook is published each spring by interested student staff membership (open to all).

**Student Government:** The Associated Students of Rocky Mountain College (ASRMC) consists of all students who register for 6 or more credit hours and such others as choose to pay the membership fee. ASRMC operates under a constitution available on the website at [www.rocky.edu/campus/trailguide](http://www.rocky.edu/campus/trailguide) or from the office of the vice president/dean of student life. The ASRMC governing council is the executive board of the associated students, duly elected and appointed in accordance with the constitution. The executive committee consists of the president, vice president, financial administrator, and secretary. The student senate consists of 12 senators representing various campus constituencies. Three standing committees, appointed by the executive council, are responsible for social, cultural/political, and publication activities and events.

**Theatre:** Students perform two main stage shows per year, using the 260-seat Billings Studio Theatre on campus. A number of student-directed plays are also performed in Losekamp Hall’s Taylor Auditorium throughout the year.

**Clubs and Organizations**

**Alpha Chapter, Pi Kappa Delta-National Honorary Forensics Fraternity:** Rocky Mountain College’s chapter, established in 1920, was the first Montana chapter.

**Alpha Eta Rho National Aviation Fraternity:** The fraternity provides students majoring in aviation an opportunity to become more knowledgeable about careers in aviation by sponsoring activities and programs of interest to the aviation student. Scholarships are available to members.

**Ambassador’s Club:** The members of the Ambassador’s Club assist the admissions office and represent the College to prospective students and their families.

**American Indian Cultural Association (AICA):** AICA provides a social outlet to ease the transition into both the academic and social aspects of the College experience. The club strives for unity of purpose in promoting and preserving American Indian values, beliefs, and traditions.

**American Indian Science and Engineering Society (AISES):** AISES is a private, nonprofit organization that nurtures the building of community by bridging science and technology with traditional native values. The society helps American Indian students with the academic, financial, and social challenges of college life.

**BACCHUS:** BACCHUS focuses on alcohol abuse prevention and other student health and safety issues. Through education and activities designed to increase awareness of changing student health and safety issues, BACCHUS focuses on the development and promotion of positive lifestyles and decision-making skills.

**Business Club:** The business club seeks to foster a better relationship between students and the Billings community by inviting business speakers to campus and by encouraging students to help with civic projects and other clubs. Students become aware of opportunities and careers available in business and related areas.

**Equestrian Club:** This club enables members to become better horse people through events, live competition, horse shows, and moneymaking activities to promote equestrian studies.
**Health Occupations Group:** This organization was chartered in 1996 in recognition of the many health occupations students who study on the Rocky Mountain College campus. This club gives its members a chance to learn about and interact with different aspects of the health professions through field trips and hosting guest speakers. Members are also active in the general education of the public and the Rocky Mountain College community about health-related issues and occupations.

**InterVarsity Christian Fellowship:** The mission of this organization is to build a collegiate fellowship that will engage the campus in its ethnic diversity with the gospel of Jesus Christ and develop disciples who embody Biblical values.

**Latter-Day Saint Student Association (LDSSA):** The goal of this club is to help all Latter-Day Saint college students stay closely affiliated with the church, succeed in their studies, and achieve a balanced life while on campus. LDSSA provides Latter-Day Saint students with meaningful activities which are consistent with church standards.

**Music Club:** Music club members receive an opportunity for professional development, learn about the privileges and responsibilities of the music education profession, and become acquainted with leaders in music education.

**Newman Club:** The Newman Club affords Catholic students an opportunity to get together for prayer and discussion. Mass and dinner is held once a month, usually at a faculty home. The club encourages students to become involved in community and church activities.

**Non-Traditional Students Club:** The goal of this club is to develop a community of students who have had other life experiences before returning to college. Members receive an opportunity to support one another by social activities and their combined wisdom in everyday demands on the nontraditional student. Non-Trads meet regularly to plan activities and events to meet the interests of the group.

**OISTERS:** The Rocky Mountain College OISTERS (Organization of Interested Students Toward Environmentally Responsible Solutions) strives to raise environmental awareness on campus with activities throughout the year and special events on Earth Day. The club also coordinates a campus-wide recycling program. Open to anyone interested in environmental issues.

**Precision Flying Team:** The purpose of the Rocky Mountain College precision flying team is to allow students in the aviation program an opportunity to enhance their aviation education by competing in the national intercollegiate flying association regional and national conferences.

**Residence Hall Association (RHA):** RHA serves to encourage the College’s residents to voice concerns, suggestions, and feedback; get involved in decision making, governing themselves, and creating policies and programs to educate themselves about current issues; and help create a learning community within the residence halls.

**Rocky Amigos:** Chartered in 2003, the Spanish club is committed to exploring, defining and expanding the perspectives of club members in the world through global experiences. Students explore first-hand the different cultures of Spanish speakers throughout the world, and then share these experiences with the campus and the community. Rocky Amigos will be raising funds for study abroad and other trips in order to enable more people to travel.

**Ski Club:** The ski club provides a basis for students with similar ski interests to meet socially. It also teaches non-skiing students how to ski downhill and cross-country each academic year. The ski club familiarizes students with the role of skiing in tourism and recreation in Montana and the Northwest.

**Sojourner Club:** The Sojourner Club promotes intercultural understanding within the College and in the community. The club, comprised of international students, sponsors various activities and events on campus that relate to international and intercultural issues.

**Student Theater Association of Rocky (STARS):** STARS provides additional opportunities beyond the main stage shows to students interested in theater. In addition, it sponsors various events such as sack lunch theater, haunted house, and improv night. STARS provides sound and entertainment for many campus events.

**Student Alumni Association:** The mission of SAA is to nourish the relationship between current and future alumni. To that end, SAA strives to establish contact between the two groups by providing networking opportunities and utilizing alumni as on- and off-campus resources. The SAA also produces the College directory in conjunction with ASRMC.

**Students in Free Enterprise (SIFE):** SIFE provides Rocky Mountain College students the opportunity to develop leadership, teamwork, and communication skills through learning, practicing, and teaching the principles of free enterprise. Members may attend a regional college competition and career fair to demonstrate their abilities.

If students are interested in becoming involved in any of these clubs or activities or want more information, contact Brad Nason, Vice President/Dean of Student Life, or the ASRMC office.
**Campus Ministry**

Rocky Mountain College is committed to the concept that faith development and academic achievement go hand-in-hand. To that end, the College—along with students, faculty, and staff—will strive to provide a variety of opportunities for people to study and grow. Throughout the college, Christian spirit and ideals are affirmed. Special emphasis is placed on the ministries of the three supporting denominations: the Presbyterian Church (USA), the United Methodist Church, and the United Church of Christ.

In collaboration with student leaders, faculty and staff members, opportunities for worship, study and discussion groups, retreats, lectures, community and international service will be provided. Participation and leadership in all activities is open to everyone. Rocky Mountain College strives to provide an atmosphere in which students, faculty, and staff can grow in Christian discipleship, or can shape their own religious perspective and grow in personal and social awareness as well as service.

**Support Services**

As a small liberal arts institution, Rocky Mountain College is interested primarily in the development of the whole person. A caring, personal atmosphere fosters this development. Students are encouraged to seek the counsel of any faculty member, and special counseling services through the vice president/dean of student life office and Services for Academic Success. Residence hall staff provides support in educational, vocational, social, and personal matters.

**American Indian Student Services:** American Indian Student Services was created to address the needs of American Indian students. The office provides a special place for students to socialize, network, and receive one-on-one help for any problems or difficulties they may encounter. The program maintains ongoing contact with tribal higher education programs to help build a resource base and expand the American Indian student population at Rocky.

**Counseling Services:** Rocky Mountain College counseling services are available to all full-time and part-time students. The counseling center provides support for students experiencing difficulties with personal, social, or adjustment issues. The campus counselors also sponsor special events and programming within the College community and provide referrals to community resources.

**Career Services:** The career services office provides assistance to students in career awareness and decision-making, career-educational planning, and job search techniques. In addition, the career services office maintains a current list of part-time jobs available to Rocky Mountain College students within the Billings community, as well as summer jobs throughout the state and nation. This information is accessible at www.rocky.edu/campus/placement.

Students are required to complete a three-credit (minimum) **experiential learning** component for graduation. Experiential learning includes internships and study abroad. Several majors require internships as part of the major, which would fulfill this requirement. Credits to fulfill the experiential learning requirement will usually only be granted to students with junior or senior class standing and must be related to the student’s major or minor.

Internships, a part of career services, provide students at the junior and senior level an opportunity to work off-campus for a qualified employer and earn college credit in their major and minor fields. The placement service also assists senior students in establishing credentials, developing resume-writing and interviewing skills, and making contact with employers. An internship usually lasts a full semester (3.5 months), depending on the position. For every 45 hours of time in the internship, one semester hour will be earned. General requirements for the internship program include the following:

- Students must have achieved at least a 2.00 cumulative GPA and achieved a 2.25 GPA within the major.
- Students will be required by faculty to complete an assignment that coincides with the internship experience, as well as attend an internship orientation held by career services.
- Students may register for up to 15 semester hours (upper division) of internship credit with the approval of a faculty member.
- **Students must be registered for an internship by the first day of classes for the semester in which they will be interning.**

The following is a guide for students to use to plan for the internship experience:

- Fall: meet with career services by March 15
- Spring/Summer: meet with career services by October 15
- There are wonderful opportunities outside of Montana that a student needs to plan for at least 9 months ahead of time. It is the responsibility of the student to arrange for housing and transportation.

**Disability Services:** Rocky Mountain College is committed to assuring an equal educational opportunity for students with disabilities. The office of the dean of students provides generic accommodations in accordance with Section 504 and ADA regulations to ensure that all courses, programs, services, and facilities are accessible to students.
with disabilities. Students are responsible for identifying themselves, providing appropriate documentation, and requesting reasonable accommodations.

**International Student and Scholar Services:** The office of international programs provides comprehensive services for foreign students and scholars, including pre-departure information, orientation programs upon arrival, a resource handbook, initial academic advising, and assistance with employment and internships. The office also provides events and activities through which the culture of Montana can be explored.

**Student Health Service:** The College maintains a health service in Fortin Center on a half-time basis, under the direction of a nurse practitioner and consulting physician. Examinations, the diagnosis of minor illness, and primary treatment of injuries are available to all students at no charge. Prior to enrollment, every student must submit a completed medical history form and provide documentation of two MMR inoculations.

The student must assume the cost of illness and injury requiring hospitalization or other referrals. The College is not responsible in the case of accidents incurred by students in pursuit of their work, field trips, athletics, or any other student activity.

**Student Insurance:** All students are encouraged to carry personal health insurance. The College does not offer an institutional health policy; therefore, students should contact an independent insurance agent to secure health insurance coverage.

International students are required to have adequate medical/health insurance. After a student is admitted to the College, a packet describing minimum benefits will be sent.

**Services for Academic Success:** Services for Academic Success (SAS) is a federally funded TRIO program providing the skills and support needed for eligible students to successfully complete college. SAS provides a comprehensive support program tailored to meet a student’s individual needs. Services are free to participants and include tutoring; academic, career, and personal counseling; supplemental instruction; cultural and academic enrichment opportunities; use of computer labs; graduate school counseling; and accommodations for students with physical and learning disabilities. SAS also offers developmental course work in mathematics, writing, and study skills.

To be eligible for the program, participants must meet one of the following criteria: 1) a low-income threshold; 2) first-generation college student (neither parent completed a baccalaureate degree); 3) a physical disability or a learning disability. Participants must also be U.S. citizens and demonstrate an academic need for the program.

The program is located in the Fortin Education Center and is staffed by a director and four academic specialists. Enrollment is limited to 250 participants. To determine eligibility and/or apply, contact SAS at (406) 657-1070 and ask for an application form.

**Students with Learning Disabilities**

Services for Academic Success offers a comprehensive program of individualized services to accommodate the needs of students with learning disabilities. Typical services may include alternative testing arrangements; taping of lectures; providing tutors, readers, or note takers for various classes; and advocacy.

**Accessing Services:** To access services, students must refer themselves to SAS, submit documentation to verify eligibility, and request reasonable accommodations, academic adjustments or support services. Students are strongly advised to contact SAS as soon as they decide to attend Rocky Mountain College so that they can submit the required documentation in a timely fashion. Guidelines for required documentation are available from SAS.

**Admissions Process:** There is no separate admissions process for students with disabilities. Students apply through the regular admissions process and must meet the College’s admissions criteria.

For more information regarding SAS, please call (406) 657-1070 or visit the website [www.rocky.edu/campus/sas](http://www.rocky.edu/campus/sas) or email: vandykj@rocky.edu.

**Housing and Residence Life**

The office of housing and residence life serves to ensure that residence life facilities allow students to live in safe, comfortable surroundings that are conducive to the pursuit of academic excellence; develop programs which address students’ cultural, emotional, intellectual, occupational, physical, social, and spiritual needs; integrate residence life with students’ academic experiences and self-awareness; and encourage opportunities that permit students to interact with residents of different lifestyles and cultural backgrounds.

As a residential College, all first- and second-year students enrolled in nine semester hours or more are required to live in the Anderson-Widenhouse residence hall complex. This requirement is based upon long-term research that indicates greater success among on-campus students. Exceptions to this policy include married students, students 21 years of age or older on the first day of fall semester classes, or students living in the Billings area with their parents.
The above mentioned residency requirements imply a contractual agreement between the student and the College for the academic year, while school is in session. In addition, students living in College housing must participate in an approved board plan in order to promote healthy eating habits. There will be no financial adjustment for room changes after the sixth week of the semester.

Residence Halls

The Anderson-Widenhouse complex is comprised of two co-educational residence halls for freshman, joined by an annex. Rimview Hall residents must have at least sophomore status. See “The Campus” in the “General Information” section for residence hall descriptions.

Applications for room reservations for new students are made through the office of admissions in connection with other admissions procedures. Assignments are made and further correspondence relating to room assignments is handled through the office of housing and residence life. Assignments are made in the order in which room deposits are received and without regard to race, creed or national origin. Returning students make their room reservations in the spring of the year preceding occupancy, and new students are assigned in early summer with notification letters sent in July and August. The College reserves the right to change a student’s room assignment.

Rooms are furnished with bunkable beds, mattresses, dressers, desks, closets, and chairs. Students furnish their own blankets, sheets, pillows, pillowcases, towels, rugs, and other personal items. Each suite in Rimview and Widenhouse Halls is also furnished with a microwave and a refrigerator. Laundry facilities are available in each of the residence halls free of charge.

Apartments

The Jorgenson Hall apartments are an available alternative to those students otherwise eligible to live off campus. Jorgenson Hall apartments are unfurnished and are typically 728 square feet, including a living room, full kitchen, bathroom, bedroom, and study. Units are leased to an individual student, who in turn may share the costs with a roommate or live with his or her family. Leases are available through December 31, or June 30 of any year. Prices and applications are available at the office of housing and residence life.

Food Service

Several options are available for all members of the Rocky Mountain College community. The McDonald Commons is open from 6:30 am through 10:00 pm Monday through Thursday; 6:30 am through 7:00 pm Friday, and 9:00 am to 12:30 pm and 5:00 pm to 6:00 pm Saturday, Sunday, and holidays when classes are in session. The Commons features hot entrees, soups, salads, bagels, cereals, sandwich bars, beverages, baked goods, and ice cream. The carte blanche meal plan (recommended) allows unlimited access to the Commons whenever it is open. The 10-meal plan allows the user any ten visits to the Commons each week. Students who live off-campus or in either Jorgenson or Rimview Halls may purchase blocks of meals. Students may purchase 100 meals at a time or 50 meals at a time to be used over the course of the year. Anderson and Widenhouse residents are required to purchase either the carte blanche or the 10-meal plan to encourage healthy eating habits. These meal plans are available through the office of housing and residence life.

In addition, the “munch money” program allows individuals to purchase a declining balance plan at a 10% discounted rate. “Munch money” can be used in the McDonald Commons or in the Marriott Grille. “Munch money” can be purchased directly through the food service office.

Intramural and Outdoor Recreation Programs

Rocky’s intramural and outdoor recreation programs are in place to provide students with experiences which will assist them in achieving a well-rounded balance between the physical and mental needs of every human being throughout a lifetime. The recreational experiences permit students to discover goals experientially while becoming more aware of themselves and their environment.

Outdoor Recreation Activities: The outdoor recreation program is divided into six function areas, which include organized outings, a resource center, academic classes, seminars, and lectures. Among activities offered are skiing trips to Red Lodge and Big Sky; river rafting, kayaking, and canoeing on the Yellowstone River, climbing in the Beartooth Mountains, and windsurfing workshops.

Intramural Athletics: The intramural athletics program offers both individual and team sport activities that include soccer, basketball, tennis, golf, racquetball, softball, and volleyball. Leisure and informal recreation such as open swimming, an indoor climbing wall, and kayak pool sessions are also offered.

Intercollegiate Athletics: Rocky Mountain College is a member of the National Association of Intercollegiate Athletics and the Frontier Conference. Rocky Mountain College’s 180 student athletes participate in eight varsity sports including football, men’s and women’s basketball, volleyball, men’s and women’s ski racing, men’s and women’s golf, and women’s soccer. All student athletes...
are required to purchase insurance (see “Tuition and Fees” under “Financial Assistance” section). A primary goal of intercollegiate sports at the College is to recruit students who are successes on the athletic field and in the classroom, carrying on the Rocky Mountain College tradition of the scholar-athlete.

General Policies

Immunization Policy: All entering students must present documentation of immunization as part of the enrollment process at Rocky Mountain College. Montana state law requires proof of two measles and rubella immunizations for all students unless born before Jan. 1, 1957. Prior to enrollment at Rocky Mountain College, prospective students must complete the immunization section of the health service form. If adequate documentation is not available, immunization must be performed at the Rocky Mountain College health service upon arrival.

Students with incomplete immunization records will not be allowed to register for classes.

Alcohol and Drug Policy: Rocky Mountain College believes the key to successful control of alcohol abuse lies in education, providing healthy alternatives, and supporting and promoting healthy lifestyles. To this end, the college is committed to

1. providing students the most current information available regarding alcohol and alcohol use;
2. developing and implementing alcohol-free social programming; and
3. encouraging and supporting those students who choose to abstain from use.

Alcohol is not permitted in the College’s residence halls. Further, the use or possession of illegal drugs and conduct deemed unlawful by the state or federal government is, of course, prohibited on campus.

Sexual Harassment Policy: It is the policy of the College to provide a working, learning, and teaching environment free from unlawful harassment of any kind, including sexual harassment. Sexual harassment of any student, on or off campus, is prohibited and will not be tolerated. Retaliation against a person who reports or complains about harassment, or who participates in the investigation of a harassment complaint, is also prohibited.

The director of personnel will distribute copies of this policy to all current students and to all those who join the College community. A periodic notice will be sent to faculty, staff, and students to remind them of the policy. A copy of the policy will be distributed at new student orientation, and copies of the policy will be available at appropriate campus centers and offices. A “no harassment” policy notice will be posted in residence halls, instructional buildings, and administrative office areas.

Motor Vehicles: All motorized vehicles owned or operated by Rocky Mountain College students are subject to campus regulations.

Firearms and Weapons: Firearms and weapons are not permitted on campus.

Pets: Students may not bring or keep pets on campus.

Student Right to Know Act and Campus Information: The Department of Education (DOE) and federal regulations require all colleges and universities to make available to students, prospective students, faculty and staff information regarding campus crime rates (Clery Act), freshmen retention and graduation rates (Student Right-to-Know Act), and athletics programs (Equity in Athletics). This information is available in the dean of students office and on the College website (http://students.rocky.edu/index.php?topgroupid=1&groupid=37).

Directory Information Policy: Directory information will be released upon inquiry unless a request to withhold this information is filed by the student in the office of the registrar by the last day to add a class each semester. Directory information includes name of student, local address, local phone, Rocky Mountain College e-mail address, hometown, class, major, dates of attendance, degree and date awarded, honors, and/or varsity sport participation.

Currently, registered students have the right to request that the College not release this information. Any student wishing to withhold directory information must inform the office of the registrar in writing. Students must submit a request to withhold information each semester they are enrolled. Students should be aware that a request to withhold information would preclude release of verifications of enrollment or graduation. More information about this policy is available from the office of the registrar.

Please notify the office of the registrar of any change of name (requires legal proof), address, and/or phone number either in person or via CampusWEB.

Student Records: Official academic records of students are kept only in the office of the registrar. The information is of three types: personal information supplied by the applicant; educational records, including records from previous institutions, including high school and/or colleges attended; and scholastic records as supplied by the student’s college teachers.

Information pertaining to the student’s scholastic records is kept in permanent records available only to the academic vice president, the registrar, and others with the
student’s written consent; and in an academic profile, which includes grades, semester and cumulative averages, and progress toward the completion of degree requirements. Particularly helpful at the time of registration, the latter records are available to the student and those serving as the student’s academic advisors.

Other items (for example, copies of letters sent to students regarding academic and/or social disciplinary action) are placed in the student’s personal file. This information is periodically destroyed after the student has left the College and when the files are sorted for storage.

Students have the right to request the privilege of looking at their files. However, the College reserves the right to delay access to a student’s personal file for a period of up to 45 days in accordance with the provisions of the Buckley/Pell Amendment. Transcripts of records will be sent only upon the individual student’s written request except where grades determine eligibility for a scholarship, which the student has accepted or for which the student has applied.

Final grades will be available on CampusWEB approximately one week after the end of each term. Students may request that grades be mailed to an address of their choice by notifying the office of the registrar before the beginning of finals week.

Rocky Mountain College has the responsibility and the authority to establish standards for scholarship, student conduct, and campus life. The policies which govern these standards recognize the College as part of the larger community bound by federal, state, and local legislation; as a unique academic enterprise, the College embraces regulations which are intended to create, preserve, and foster the freedom to learn.

Judicial Council

This council is comprised of four students appointed by ASRMC and four faculty members appointed by their colleagues. The council adjudicates matters of academic and due process on campus. The council or a subcommittee of the council may also act to assign consequences in cases where regulations of the College have been violated.

In the event that a violation of any campus regulation occurs, students are guaranteed their right to due process and appeal as discussed in the student handbook, the Trailguide. Students are reminded that the act of enrollment is interpreted as a contractual agreement to accept and abide by the regulations and disciplinary structures of the College.

Academic

Edward J. Dupuy, Provost/Academic Vice President

Degrees

Rocky Mountain College offers two baccalaureate degrees, the bachelor of arts degree and the bachelor of science degree. Other degrees include the associate of arts degree, the master of accountancy, and the master in physician assistant studies.

The Semester Plan

College credit is offered on a semester basis. Courses offered in the summer session meet more frequently and for longer time each meeting. Enrollment is always for a semester or a summer session except in the case of a special workshop.

Course Hours

A course for one semester hour of credit meets for a 50-minute period once a week for the semester. For each class session, the student is expected to spend at least two hours in preparation. In studio, laboratory, or activity courses, two hours of attendance are required weekly for one semester-hour credit. In the case of seminars or independent study courses, less class attendance may be required and a proportionately larger amount of time spent in preparation. For regularly enrolled students, the usual class load is 15 to 16 semester hours per semester.

Levels of Courses

It is recommended that students take courses at the level of their class standing, provided that specific prerequisites have been met. Taking a course two levels or more above or below the level of class standing is not permitted, except with the approval of the instructor. All courses are further classified as either lower-division or upper-division. The former are courses numbered 100 to 299; upper-division courses are those numbered 300 to 499. Courses numbered 500 to 699 are graduate level. A minimum of 40 (20 for transfer students) semester hours must be completed in upper-division courses, at least twelve of which must be in the student’s major field. If a student chooses a minor, six upper-division credits must be completed in the minor area.

Cancellation of Courses

The College reserves the right to cancel any course which does not have an enrollment of at least six at the end of the fifth class of any semester or any course which does not have an enrollment of at least four at the end of the first class of any summer session.
Regular Courses

To facilitate arrangements for instruction, the College faculty and course offerings are organized into programs. All regular course offerings are listed in this catalog. Courses cross-listed at a lower-division and upper-division level may be taken only once for credit unless otherwise noted.

Courses are offered in fall semester, spring semester, summer semester, alternate years, or on demand. The course schedule is subject to change. Corrections are available on CampusWEB or in the office of the registrar. Courses for which there is small demand are offered alternate years or on demand. A course designated as on demand will be offered when there is sufficient number of students requesting the course, usually five or more, and if suitable arrangements can be made. Students should plan their schedule carefully with their advisor to take required courses when they are offered.

Rocky Freshman Experience (RFE)

The concept of the Rocky Freshman Experience (RFE) grew from research compiled in the mid-1990’s by Dr. Ron Cochran and Dr. Jay Cassel, who concluded that Rocky Mountain College students who associated with small groups enjoyed more academic and social success their first year of college than those who did not. These findings suggested that smaller learning communities would benefit the incoming freshmen. As a result, the RFE was established. It is required of all new freshmen. Incoming freshmen choose from a variety of grouped courses, including discipline-specific classes, English 119 (First Year Writing), and Freshman Seminar. Groups range from six to eight semester hours and are limited to between 20 and 25 students per class. Discipline-specific courses from which students may choose generally fulfill a general education requirement. Previous courses have included general biology, Italian culture, sociology, education, drawing, art history, music, cinema, history, environmental sciences, ecology, business, humanities, psychology, and philosophy.

Regular, full-time faculty develop their classes together and attend each other’s courses as “students.” A variety of staff members teach Freshman Seminar providing students access to counselors, other student service personnel, and a healthy exposure to Rocky Mountain College resources. The writing classes emphasize critical reading and analytical writing, often coordinating the themes of their readings around their discipline-specific partner. Faculty teams also collaborate on assignments and group projects. The students meet with their cohorts for both classes, which are frequently scheduled back-to-back, allowing flexibility for shared activities.

The primary RFE goals are to immerse freshmen in a positive experience thinking across disciplines, to use the liberal arts as a catalyst for improving writing, to create a sense of academic community, to engage students in classroom activities that encourage them to collaborate in small groups, and to expose students in campus policies and resources.

Special Courses

Special Topics 180, 280, 380, 480, 580, 680: Faculty members may arrange, with the approval of the academic vice president, to offer under a special topics number courses not regularly listed in the catalog.

Independent Study 299: Offered to freshmen or sophomores only by initiation of a faculty member and approval of the academic vice president. Its purpose is to allow work outside of the regularly offered course schedule in exceptional circumstances. Each independent study is 1 to 3 semester hours.

Field Practicum 291, 391: All programs may offer a field practicum for 1 to 3 semester hours, with the possibility of being repeated up to a total of 12 semester hours (athletic training majors may take up to 16 hours). There must be a faculty evaluation of the student’s performance, with a statement of the evaluation to be kept with the student’s records.

Internship 450: An internship experience offers a learning experience in a workplace setting for juniors and seniors in any major and with a cumulative GPA of 2.00. These work experiences are considered a regular part of the degree program, just as any of the College’s academic offerings. Internships are arranged between a faculty member and the student with assistance from the career services office. Up to 15 semester hours may be earned in internships. A contract is required prior to registration.

Directed Reading 399: Directed reading courses are authorized for each program, to be offered at the discretion of the instructor and subject to the approval of the academic vice president. Each professor offering directed reading is responsible for providing a reading list or series of study questions, or a syllabus to the student, so that the course is indeed directed reading, not just reading. This course may be taken for 1 to 3 semester hours.

NOTE: Under special circumstances a student may take a regular course by arrangement with a member of the faculty if the student is legitimately unable to attend the regular class sessions and has the instructor’s approval. In this case the student should enroll in the course under its regular number, not under directed reading or any other special course number. The guidelines for special courses given below, however, must be followed when regular courses are taken by arrangement.
Seminar 490: Seminar is an interdisciplinary course carrying 2 to 3 semester hours of upper-division credit. Admission is restricted to juniors and seniors.

Independent Study 499: Those programs that offer majors offer independent study. Its purpose is to allow a superior student to devise and pursue independent study in an area agreed upon in consultation with the faculty member who will supervise the study, subject to approval of the academic vice president. In order to qualify for such study, a student must 1) major or minor in the program, 2) be a junior or a senior, and 3) carry a GPA of a 3.00 or better. Each independent study is 1 to 3 semester hours.

Continuing Education 900: These courses are designed primarily for the post-baccalaureate student and do not apply toward a bachelor's degree. Elementary and secondary school teachers may use these courses for professional advancement, recertification, and/or a salary increment with school district approval. Permanent records are kept.

Guidelines: The following guidelines are used for all special courses:

Special courses use the following workload standards for a credit: 45 hours of student time for each semester hour; or completion of certain prescribed amounts of work or readings, determined at the beginning of the course.

The faculty member in charge is responsible for evaluating the student through oral or written tests, through the presentation of a paper or completed project, or by any other sound means of evaluation.

All special courses are to be taken seriously as academic courses based on advanced planning. They are to be completed by the end of the semester or term when they are started, just as regular classes. Incomplete grades will be given, as the catalog points out, only under unusual circumstances and with the instructor’s consent. See “Grades” later in this section.

Nontraditional Credit

Recognizing that valuable learning often takes place outside the classroom, the College offers the opportunity to obtain academic credit for nontraditional learning experiences within certain guidelines. Nontraditional credits will not be accepted in transfer and may apply to no more than 25 percent of a degree program. Nontraditional credit will be posted on the transcript after successful completion of one semester of full-time enrollment. In the case of CLEP, DANTES, AP, IB, or military credit, official score reports must be submitted for credit to be granted. More details are available from the office of the registrar.

Credit for prior learning: Students may earn credit for documented and currently held learning gained through life experience and its equivalency to the content of courses in the academic curriculum. To request credit for prior learning, a student is required to submit an application and prepare a portfolio to document the learning involved. Students must distinguish between learning and experience and articulate knowledge and its application, and must establish connections between theory and practice in their field. More information is available through the career services or the degree completion program office.

Challenge of a course: Students may challenge courses not previously taken if they have a GPA of at least 3.00. The approval of the instructor, the advisor, and the academic vice president must be obtained and written notification of successful challenge by the instructor must be filed with the office of the registrar.

College-Level Examination Program: Students who wish to earn college credit may do so by successfully completing one or more of the general examinations or the subject examination of the College-Level Examination Program (CLEP). Credit may also be earned through the Defense Activity for Traditional Educational Support (DANTES) program. Any CLEP or DANTES examinations for credit must be completed by the end of the second semester of enrollment at Rocky Mountain College. More information is available through the degree completion program office.

Credit for military experience and training: Credit will be evaluated based on the American Council of Education (ACE) recommendations for credit for military experience. Students should submit their information to ACE for evaluation. Once the evaluation is returned, it should be brought to the office of the registrar. Otherwise, the office of the registrar will evaluate this credit after the student enrolls.

Credit for advanced learning in high school: College credit is awarded for advanced work in secondary school. Credit is accepted through the Advanced Placement test of the College Entrance Examination Board, International Baccalaureate Diplomas, or tech-prep agreements with local high schools. The recommendations for Advanced Placement can be found at [http://academics.rocky.edu/index.php?topgroupid=2&groupid=41]. Students should consult with the office of the registrar concerning credits accepted and level of performance required.

Those students qualifying for AP credit for English will still need to take ENG119 (First Year Writing) as part of the Rocky Freshman Experience course groupings.
International Learning Experiences

Rocky International: Study, Intern, Work, or Volunteer Abroad

The office of international programs helps students choose an international experience that best enhances their educational and career goals. Students may choose from semester or year-long exchange programs, short-term faculty-led programs during the summer, and courses in which students study on campus for the majority of the semester and travel abroad to culminate the experience. With good planning, an international experience will not delay graduation. The office of international programs also assists students to find internships, work, or volunteer opportunities abroad.

The College offers occasional courses during a semester through which students study on campus and then travel abroad to culminate the experience.

Rocky International Exchange Programs

Queen’s University of Belfast, Northern Ireland
University of Ulster, Northern Ireland
Shikoku Gakuin University, Japan
Häme Polytechnic University, Finland
University of Gävle, Sweden

The Curriculum

Bachelor of Arts, Bachelor of Science Programs

Students may earn a bachelor’s degree in the following programs. Some majors have several options; see the department description for details.

Bachelor of Arts:

Art
Education
English
Environmental Studies
History
Individualized Program of Study
Music
Philosophy and Religious Thought
Professional Communication
Theatre Arts

Bachelor of Science:

Aviation
Biology
Business Administration and Economics
Chemistry

Computer Science
Earth and Environmental Science
Equestrian Studies
History and Political Science
Individualized Program of Study
Management (degree completion)
Mathematics
Physical Education and Health
Psychology
Sociology/Anthropology

Minors

Minors are offered in all of the major programs listed above (except management and physical education and health). In addition, minors are also offered in the following programs:

Native American Studies
Physics
Spanish
Writing

Masters programs

Masters of Accountancy (MAcc)
Master of Physician Assistant Studies (MPAS)

Individualized Program of Study (IPS)

The individualized program of study allows students to design a program that is not regularly offered by Rocky Mountain College. Any student who has not completed the junior year is eligible to apply for IPS. The student determines, with the help of faculty advisors, a program of study tailored to meet individual needs and interests. The IPS may apply to the student’s total program, to the major, or to the minor. All other graduation requirements must be completed.

The student’s academic advisor, the council of chairs, and the academic vice president must approve all IPS programs. All proposals must be approved by the end of the student’s junior year. Applications should include the educational rationale behind the program and a list of all courses to be applied toward the program. All IPS majors and minors must meet the minimum criteria listed in the requirements for a baccalaureate degree. Proposals are evaluated on the basis of whether or not an IPS provides a coherent program of study, whether such a program can better meet the needs of the student, and whether or not the student can offer evidence of the ability to plan and carry out such an individualized program. To be eligible for consideration, the student must be regularly enrolled at Rocky Mountain College and available for regular on-campus contact with the major advisor.
Occupational Therapy

The program’s objective is to prepare the student as a professional capable of designing and implementing rehabilitation programs to help the physically challenged in skills necessary for daily life: mobility, personal hygiene, and body conditioning.

Rocky Mountain College’s pre-occupational therapy course work is designed to complement the 3-2 program at Washington University (St. Louis). Students spend an average of three years at Rocky Mountain College satisfying specific prerequisite courses and partially fulfilling a major. Students must maintain a 3.00 GPA, obtain a faculty recommendation, and take the GRE to apply for acceptance into the entry-level master’s program at Washington University. Those who complete the prerequisites at Rocky Mountain College are not guaranteed a position in the Washington University program; they must apply and be accepted. Students need to recognize that this major requires successful completion of two semesters of class work at Washington University before a bachelor’s degree is granted by Rocky Mountain College.

Basically, the prerequisites are (in semester hours) English composition, 3; biology, 3; anatomy and physiology, 6; physics, 3; child development and/or psychology, 3; abnormal psychology, 3; sociology and anthropology, 3; political science and economics, 3; basic statistics, 3; electives, 59.

Teaching Licensure

For information about teaching licensure, refer to the “Education” section in the “Departments and Courses” area of the catalog.

Requirements for an Associate of Arts Degree

A minimum of 62 semester hours is required, of which at least the last 31 have been taken at Rocky Mountain College; the general education requirements listed below must be met; and a candidate must have a cumulative GPA of 2.00 (“C”) for all courses applying to the degree.

Requirements for a Baccalaureate Degree

A minimum of 124 semester hours (certain programs may require more) is required. No more than 64 semester hours (96 quarter hours) are acceptable in transfer from a two-year college. Unless being counted toward a major, a maximum of eight credits in applied music, eight credits in ensemble, eight credits in theatre production, or eight credits in physical education activity courses may be counted toward graduation. Unless being counted toward the major, no more than 12 of these activity credits can count toward the total credit requirement.

The general education requirements listed below must be met.

A candidate must have a cumulative grade point average (GPA) of 2.00 (“C”) for all courses applying to the degree, and a cumulative GPA of 2.00 in all courses taken at Rocky Mountain College.

A minimum of 24 semester hours is required in the major field with a GPA of 2.25 (“C+”). The specific requirements for a particular major are listed under the program concerned. The student must complete at least three courses in the major field at Rocky Mountain College.

Forty semester hours must be earned in upper-division courses. At least 12 of the 40 semester hours must be in the major field. If a minor is chosen, it must include a minimum of six upper-division semester hours.

A candidate for a baccalaureate degree at Rocky Mountain College must have completed at this College a minimum of 30 semester hours, including at least 20 upper-division hours. Twenty-four of the last 30 hours required for graduation must be earned in residence. This requirement may be modified in exceptional cases upon petition to the academic vice president.

Requirements for a Master of Accountancy Degree

A minimum of 150 semester hours is required, including the requirements listed under “Requirements for a Baccalaureate Degree.”

Requirements for a Master in Physician Assistant Studies Degree

A minimum of 63 sequential semester hours in the didactic phase, followed by 42 semester hours in the clinical instruction phase, is required. Students must satisfactorily complete all courses in the professional program with a GPA of 3.00 or above.

Categories of General Education Requirements

Recently, the College reviewed its general education requirements and modified them to better define its goals for graduates, concentrating on student experiences and needs. These requirements are divided into ten categories: mathematics, English, speaking, health, fine arts, humanities, social sciences, natural sciences, religious thought, and experiential learning.

Throughout the course description section of the catalog, the following key will indicate if a course meets a general education requirement. Any given course can only
satisfy one general education category.
 MA1 – mathematics requirement 1
 MA2 – mathematics requirement 2
 EN1 – English 119
 EN2 – English 219
 SP – speaking
 HL1 – health requirement 1
 HL2 – health requirement 2
 FA – fine arts
 HU – humanities
 SS – social sciences
 NS – natural sciences
 NSL – natural science lab
 RT – religious thought
 EL – experiential learning

General Education Requirements

General education requirement #1: mathematics
 Students will be introduced to college-level mathematics and appreciate the role and relevance of mathematics in our increasingly complex and diverse society.

Requirement #1: One course from MAT100, MAT103 (only for elementary education majors), MAT110, or PHR205.

Upon successful completion of mathematics general education requirement #1, students will be able to demonstrate the quantitative and logical reasoning abilities needed for informed citizenship and success in the workplace.

Requirement #2: MAT104 (only for elementary education majors), one MAT course numbered 150 or higher, or BSA209. Students who take MAT103 for requirement #1 may not take MAT104 to fulfill requirement #2.

Upon successful completion of mathematics general education requirement #2, students will be able to demonstrate knowledge of the importance and role of mathematics in modern society and be able to use a mathematical approach to problem-solving and modeling.

Notes: The College will consider requirement #1 fulfilled if a student has tested ready for calculus. While PHR205 can fulfill requirement #1 and BSA209 can fulfill requirement #2, students must take at least one MAT course listed in either requirement #1 or requirement #2 to fulfill the mathematics general education requirement.

General education requirement #2: writing
 Requirement: ENG119 and ENG219 (6 semester hours).

Upon successful completion of the writing general education requirement, students will be able to
1. read, discuss, and write about a variety of texts;
2. practice critical reading strategies;
3. learn to generate a complex thesis;
4. organize evidence in the development of a thesis;
5. employ a variety of rhetorical strategies to achieve writing objectives; and
6. strive for stylistic fluency and grammatical competency.

General education requirement #3: speaking
 Students will successfully deliver a series of public oral presentations, either in a speech or a theatrical setting.

Requirement: COM102, COM260, or an approved acting course (3 semester hours) such as THR132.

Upon successful completion of the communications track of the speaking general education requirement, students will be able to
1. demonstrate the principles, processes, and functions of public speaking;
2. demonstrate the ability to form a speech’s purpose, organize a speech, utilize evidence to support a speech’s points, and deliver a speech effectively;
3. demonstrate critical listening skills and demonstrate the ability to be a critical consumer of the speeches of others; and
4. demonstrate strategies for speaking in interpersonal, small group, and public speaking situations.

Upon successful completion of the theatre track of the speaking general education requirement, students will be able to
1. demonstrate the principles of and processes for creating characterizations for audience presentations;
2. use theatre for self-awareness, vocal production, and physical responsiveness to other actors and to an audience;
3. critically evaluate other performances; and
4. demonstrate the basic concepts of the theatrical discipline.

General education requirement #4: health
 Students will possess the knowledge, skills, and confidence to enjoy a lifetime of healthful
physical activity.

Requirement #1: PEH115.
Upon successful completion of health general education requirement #1, students will be able to
1. analyze the personal health and wellness lifestyle choices that contribute to the health and physical activity levels of individuals and populations; and
2. apply personal lifestyle management skills, analyze risks and benefits of dieting and exercise, and plan for the achievement of personal health and physical activity goals.

Note: Students may test out of PEH115.

Requirement #2: one physical activity course, chosen from PEH100, PEH101 or PEH102 (1 semester hour).
Upon successful completion of health general education requirement #2, students will be able to
1. demonstrate knowledge of the benefits of a physically active lifestyle; and
2. demonstrate that physical activity provides opportunities for enjoyment, challenge, self-expression, and social interaction.

General education requirement #5: fine arts
Requirement: Two courses from art, theatre, or music, with no two from the same program.
Upon successful completion of the fine arts general education requirement, students will be able to
1. demonstrate an appropriate knowledge of two different artistic milieu;
2. demonstrate an appropriate knowledge of the variety of conditions that have led individuals throughout the centuries to be moved to artistic expression; and
3. draw parallels between personal and external events and their documentation in the visual, musical, or dramatic arts.

General education requirement #6: humanities
Requirement: Two courses from foreign language, history, literature, or philosophy (6 semester hours), with no two from the same program.
Upon successful completion of the humanities general education requirement, student will be able to
1. analyze literary, cultural, historical, or philosophical text or ideas;
2. identify important ideas within a literary, cultural, historical, or philosophical milieu; and
3. ask pertinent literary, cultural, historical, or philosophical questions and articulate critical responses to those questions.

General education requirement #7: social sciences
Requirement: Two courses from economics, political science, psychology, or sociology/anthropology, with no two from the same program.
Upon successful completion of the social sciences general education requirement, students will be able to
1. articulate the major theories of at least two of the social science disciplines;
2. describe the kinds of questions asked by at least two of the social science disciplines;
3. explain how the scientific method is used to answer the questions asked by at least two of the social science disciplines;
4. recognize the difference between the scientific and non-scientific explanations of human behavior; and
5. appropriately demonstrate an understanding of the subject matter of at least two of the social science disciplines.

General education requirement #8: natural sciences
Requirement: Two courses from biology, chemistry, environmental science, geology, or physics (at least one course must be a laboratory course), with no two from the same program (unless they are both lab courses).
Upon successful completion of the natural sciences general education requirement, students will be able to
1. apply basic scientific content and applied scientific concepts to real and hypothetical situations;
2. speak and/or write on discipline-specific topics;
3. demonstrate the application of the scientific method as a way of investigating and drawing various conclusions about real-world phenomena; and
4. conduct experiments using basic laboratory techniques to explore scientific questions.

General education requirement #9: religious thought
Requirement: One course in religious thought (3 semester hours).
Upon successful completion of the religious thought general education requirement, students will be able to
1. articulate some of the important roles of religion in life, culture, or theory;
2. critically reflect on their own beliefs in relationship to key texts; and
3. show the initiation of their own independent philosophies for living based upon their reading of texts, discussion of ideas, and personal reflection.

**General education requirement #10: experiential learning**

Students will test their knowledge, skill, and assumptions beyond the classroom through a supervised applied learning experience or study abroad.

**Requirement:** Internship, study abroad, student teaching, or flight lab experience (3 semester hours minimum).

Upon successful completion of the supervised applied learning option of the experiential learning general education requirement, students will
1. demonstrate competence in using their skills and knowledge in practical situations;
2. explore a field of interest in a focused, disciplined manner;
3. examine an individual’s roles and responsibilities in collaborative endeavors;
4. demonstrate independent learning skills and self-confidence; and
5. articulate changes in personal attitudes, beliefs, and assumptions brought about by the experience.

Upon successful completion of the study abroad learning option of the experiential general education requirement, students will
1. test their ability to adapt successfully to different academic and cultural expectations;
2. demonstrate knowledge of the host country’s culture(s);
3. demonstrate a knowledge of factors that contribute to intercultural misunderstandings;
4. articulate changes in personal attitudes, beliefs, and assumptions brought about by the experience;
5. articulate differences between their culture and that of the host country’s culture(s); and
6. demonstrate, when applicable, increased proficiency in the host country’s language.

**Recording of Credits**

The office of the registrar records general education requirements as complete if the student does not fail the course or does not withdraw from the course. While no classes will be transcribed if the grade is below a “C-,” students may petition to have grades of “D” fulfill general education requirements. No credit will be given and the course will not show up on a Rocky Mountain College transcript. Petitions should be addressed to the registrar.

Although the College reserves the right to refuse incoming transfer credits, credits from equivalent accredited colleges normally will be accepted, subject to these conditions:
1. No more than 94 semester hours or 135 quarter hours of credit are acceptable from four-year colleges.
2. No more than 64 semester hours or 96 quarter hours are acceptable from two-year colleges.
3. No junior- or senior-level credit will be allowed for courses from two-year colleges.
4. No “D” or “F” grades will be accepted.
5. No preparatory/developmental classes below 100 level will be accepted.

**Second Degree**

A student may earn a second bachelor’s degree at Rocky Mountain College by taking a minimum of 30 additional credits in residence beyond the credits earned for the first bachelor’s degree and by completing all requirements for a second major. Nine of the minimum additional credits for the second degree must be at the upper-division level. Students at the College may concurrently earn both bachelor of science and bachelor of arts degrees if they have a minimum of 150 credits and have fulfilled all requirements for both degrees. Students may also transfer to Rocky Mountain College to attain a second degree. These students must meet all degree requirements outlined for transfer students to Rocky Mountain College. All students wanting to obtain a second degree must file a written application to the office of the registrar.

**Registration**

Students are expected to register on the days specified in the academic calendar. Registration is not complete until financial arrangements are made with the business office. Late validation fees are in effect after the first day of class. After one week of classes, permission from the instructor must be obtained before entering a course. After two weeks of classes, no student will be allowed to register in regular classes.

**Classification of Students**

Students are classified at the beginning of each semester in each academic year. (See class standing below.)
Official Status

Regular: Admission requirements fulfilled and systematically pursuing a definite course of study toward a degree.

Conditional: Does not meet requirements for regular admission. Must establish regular (non-probationary) standing by the end of the first semester in residence.

Special: A student who is not a candidate for a degree at Rocky Mountain College.

Auditor: A student who attends class regularly but does not receive credit or grade. A regular student may audit a course without charge, providing his or her course load remains within the 12- to 19-credit range.

Registration Status

Full-time: A student registered for 12 semester hours or more.

Part-time: A student registered for fewer than 12 semester hours.

Class Standing

Freshman: A student who has earned fewer than 27 semester hours.

Sophomore: A student who has earned 27 to 59 semester hours.

Junior: A student who has earned from 60 to 89 semester hours.

Senior: A student who has earned 90 or more semester hours.

Academic Advisors

Academic advisors are assigned to students based on their area of major interest upon entrance to Rocky Mountain College. Students are encouraged to meet with their advisors frequently to review graduation requirements, plan class schedules, and talk about their futures. Students may change academic advisors at any time during the year by filing a request for change of academic advisor available in the office of the registrar.

Student Load

A normal load is considered to be 15 to 16 semester hours. Students in good academic standing may register for up to a total of 19 semester hours with the approval of their advisors. The advisor and the academic vice president must approve all other overload registrations. For each semester hour over 19, a student is charged an overload fee.

NOTE: A student must average 15.5 semester hours for 8 semesters to complete the required minimum of 124 semester hours.

Part-time Enrollment

Once the student has enrolled at Rocky Mountain College, all course work in the major or to be applied to the degree and/or certificate must be done in residence at Rocky Mountain College. If the course work is to be done at another university or college, prior approval should be obtained from an appropriately designated individual. Courses submitted in transfer must have a grade of “C” or better.

Addition of a Course or Change of Section

Necessary registration changes, such as change in course or section, may be made within two weeks of the beginning of the fall or spring terms. Students may not earn credit in any course for which they are improperly registered or have failed to register.

Withdrawal from a Course

A student may withdraw from a course with a grade of “W” up to and including the last day to drop a class as published in the academic calendar. An exception to this date occurs for classes that last for half of the semester. For these classes, the student may withdraw from the course with a grade of “W” up to and including the 50% point in the class. After that day a student who withdraws from a course shall receive a grade of “F” in that course. (Students who officially withdraw from school are not subject to this regulation.) It is required that both the student’s advisor and the instructor concerned initial the withdrawal form obtained from the office of the registrar. Failure to withdraw in the official manner will result in a grade of “F.” No withdrawal is official until the proper form has been filed in the office of the registrar.

Withdrawal from College

Students who withdraw from the College, except for illness, must file an official withdrawal request form. Written notification must be made to the vice president/dean of student life in all cases of voluntary withdrawal. Failure to withdraw in the official manner will result in a grade of “F” for each course. (See withdrawal policies in the “Financial Assistance” section.)

Honorable Dismissal from College

Honorable dismissal of a student from Rocky Mountain College means 1) a clear conduct record, 2) permission granted to withdraw voluntarily, and 3) recommendation for favorable consideration for admission to other institutions. It does not carry any implication as to the quality of the student’s work. It is granted to any eligible student upon request.
Attendance

Students are expected to be in class regularly and promptly in order to do satisfactory work. They are responsible for all assignments, including but not limited to written lessons, quizzes, class tests, mid-term tests, final examinations, even when ill or representing Rocky Mountain College officially.

After warning students who have excessive absences (in writing) and notifying the academic vice president of this warning, instructors may drop such students from courses with grades of “F” by notifying the office of the registrar. The academic vice president may, by written notice, place such students on a “no-cut” basis in some classes or in all classes. If, after this notice is given, the students are absent from class without adequate reason, the academic vice president may dismiss such students from the College. In the event students are dismissed under the terms of this paragraph, a grade of “F” will be recorded in each course for which the students are registered.

Academic Integrity

Academic integrity at Rocky Mountain College is based on a respect for individual achievement that lies at the heart of the academic culture. Every faculty member and student belongs to a community of learners where academic integrity is a fundamental commitment.

This statement broadly describes principles of student academic conduct supported by all academic programs. It is the responsibility of every member of the academic community to be familiar with these policies.

Basic Standards of Academic Integrity

A student’s registration at Rocky Mountain College implies agreement with and requires adherence to the College’s standards of academic integrity. These standards cannot be listed exhaustively; however, the following examples represent some types of behavior that violate the basic standards of academic integrity and which are, therefore, unacceptable:

1. Cheating: using unauthorized notes, study aids, or information on an examination; altering a graded work after it has been returned, then submitting the work for regrading; allowing another person to do one’s work and submitting that work under one’s own name; submitting identical or similar papers for credit in more than one course without prior permission from the course instructors.

2. Plagiarism: submitting material that in part or whole is not entirely one’s own work without attributing those same portions to their correct source; not properly attributing words or ideas to a source even if not quoting directly; quoting from another author’s writing without citing that author’s work, including material taken from the World Wide Web, books, and/or papers; citing, with quotation marks, portions of another author’s work but using more of that work without proper attribution; taking a paper, in whole or part, from a site on the Web or a “library” of already-written papers.

3. Fabrication: falsifying or inventing any information, data or citation; presenting data that were not gathered in accordance with standard guidelines defining the appropriate methods for collecting or generating data and failing to include an accurate account of the method by which the data were gathered or collected.

4. Obtaining an unfair advantage: (a) stealing, reproducing, circulating or otherwise gaining access to examination materials prior to the time authorized by the instructor; (b) stealing, destroying, defacing or concealing library materials with the purpose of depriving others of their use; (c) unauthorized collaboration on an academic assignment; (d) retaining, possessing, using or circulating previously given examination materials, where those materials clearly indicate that they are to be returned to the instructor at the conclusion of the examination; (e) intentionally obstructing or interfering with another student’s academic work; or (f) otherwise undertaking activity with the purpose of creating or obtaining an unfair academic advantage over other students’ academic work.

5. Aiding and abetting academic dishonesty: (a) providing material, information, or other assistance to another person with knowledge that such aid could be used in any of the violations stated above, or (b) providing false information in connection with any inquiry regarding academic integrity.

6. Falsification of records and official documents: altering documents affecting academic records; or forging signatures of authorization or falsifying information on an official academic document, grade report, letter of permission, petition, drop/add form, ID card, or any other official College document.

7. Unauthorized access to computerized academic or administrative records or systems: viewing or altering computer records, modifying computer programs or systems, releasing or dispensing information gained via unauthorized access, or interfering with the use or availability of computer systems or information.

Due Process and Student Rights

Enforcement of the standards of academic integrity lies with the faculty and the academic division. In all cases involving academic dishonesty, the student charged or suspected shall, at a minimum, be accorded the following rights:
1. be apprized of the charge(s) against him or her
2. be provided with an opportunity to present information on his or her behalf
3. be given the right to appeal any decision of the individual faculty member to the academic vice president or judicial council. Appeals to the academic vice president must be submitted in writing within 48 hours of the student being formally sanctioned. Appeals utilizing the Rocky Mountain College judicial process should follow the procedures outlined in the Rocky Mountain College Trailguide, which can be found at www.rocky.edu/campus/trailguide.

Sanctions
All proven cases of academic dishonesty will be penalized as appropriate under the circumstances. Individual faculty members may take the following actions:
1. issue a private reprimand;
2. issue a formal letter of reprimand;
3. reduce the student’s grade or fail him/her in the course.

All incidents of academic dishonesty will be reported to the registrar who reserves the right to forward the matter to the academic standards committee for further action. The academic standards committee may take the following actions:
1. define a period of probation, with or without the attachment of conditions;
2. withdraw College scholarship funding;
3. define a period of suspension, with or without the attachment of conditions;
4. expulsion from the College;
5. notation on the official record;
6. revocation of an awarded degree; or
7. any appropriate combination of 1-6 above.

Faculty and Administrative Responsibilities
In order to implement these principles of academic integrity, it is necessary for the administration and faculty to take certain steps that will discourage academic dishonesty and protect academic integrity:
1. Rocky Mountain College will regularly communicate to the College community its academic standards and expectations through its institutional publications. Further, the College will encourage and promote open dialog and discussion about issues affecting academic integrity.
2. Instructors should inform students of the academic requirements of each course. Such information may include (a) notice of the scope of permitted collaboration; (b) notice of the conventions of citation and attribution within the discipline of the course; and (c) notice of the materials that may be used during examinations and on other assignments.

Examinations
Final examinations are given at the close of each semester. No change in the stated schedule may be made, except by the academic vice president.

Faculty members shall report the final grade for each student missing a final examination as “F” unless the academic vice president has excused this absence.

Dead Week
With the exception of performance and laboratory examinations, no examinations may be scheduled during the final academic week of classes. The academic vice president must approve any exceptions.

Grade Points and Grade Point Average
In order to determine students’ scholastic averages, grade points are awarded for each hour of credit as follows:
“A” - 4 points; “B” - 3 points; “C” - 2 points; “D” - 1 point; “F” - 0 points. Grades of “I,” “P,” and “W” are not used in computation of the GPA. A plus (+) or minus (-) does not change the value of the grade for computation of the GPA.

Scholastic average is determined by dividing the number of earned grade points by the number of attempted credit hours. This is the GPA (grade point average), which is used in the classification of students; in determining academic probation, eligibility, and scholastic honors; and in granting of degrees.

The GPA is understood to mean cumulative GPA unless indicated for one semester. Grade point average for all uses in the college shall be based on all courses accepted in transfer and all courses attempted at Rocky Mountain College. When a student repeats a course, the most recent grade will count.

Grades
Grades in courses are recorded as follows:

The “I” grade is given only under unusual circumstances and with the instructor’s consent. The instructor must file a completed Request for Grade of Incomplete form in the office of the registrar before the assignment of a grade as “I” (incomplete). An “I” must
be made up within one year. After one year it will be permanently recorded as an “F.”

A grade of “F” can be made up only by repeating the course. The previous “F” is not removed from the permanent record, but is removed from the GPA calculation. Students who have an “F” in required courses should give precedence to re-taking those courses in planning subsequent schedules.

Grades not submitted to the office of the registrar by the due date will be recorded as “X.” Grades not received from faculty by 10 days after the grade due date will be recorded as “F.” Grades submitted to the office of the registrar are final and may not be changed except upon request of the instructor. No grade change can be made more than one year after the end of the semester in which the course was taken.

If a student believes that their grade is incorrect, the student should first discuss the matter with the instructor. The student has the right to appeal their case to the instructor’s division chair if talking to the faculty member does not resolve the issue. If the student is still dissatisfied with the outcome, they may write a final letter of appeal to the council of chairs in care of the academic vice president.

Pass-No Pass Grading Option

Junior and senior students may elect to take one course on a pass-no pass basis each semester of their last two years in residence at Rocky Mountain College. The student must indicate (to the office of the registrar) a decision to enter a course on a pass-no pass basis within two weeks of the beginning of the semester.

Faculty will turn in letter grades to the office of the registrar. To receive a grade of “Pass” in this context, the student must achieve a grade of “C” or better. Students are warned that many graduate and professional schools equate a grade of “P” with a grade of “C” in determining admission to the school.

The following courses will be graded on a pass-no pass basis only: COM247/347, IDS220, music recital courses (MUS020, MUS030, MUS040), varsity sports (PEH100), physical education activity courses (PEH101, PEH102), physical education field practica (PEH181, PEH182, PEH281, PEH282, PEH381, PEH382, PEH 391, PEH481, PEH482) and drama activity courses (THR137, THR138). All other courses will be graded on the regular basis (“A,” “B,” “C,” “D,” “F”), unless noted. The academic vice president in consultation with members of the council of chairs must approve any exceptions. A grade of pass/no pass is not used in computing the GPA.

Graduation with Honors

Honors at graduation are designated for associate of arts, bachelor of arts and bachelor of science degrees as follows: summa cum laude, GPA 3.80; magna cum laude, GPA 3.60; cum laude, GPA 3.40. Honors will not be calculated for master’s degree candidates.

The grade point average for graduation with honors is computed on the basis of all courses attempted, both at Rocky Mountain College and at any other college. The GPA for all work taken at Rocky Mountain College must be above the level for the honor awarded.

Honors listed in the graduation program are calculated through the December prior to graduation ceremonies. Honors at the point of graduation will be noted on both the diploma and on the student’s transcript.

Application for Graduation

All students intending to graduate in May during the following year must file an application for graduation by October 31. Applications received after October 31 and on or before February 15 will incur a late graduation fee. After February 15, any student filing an application for graduation will not be allowed to participate in the ceremony.

All students intending to graduate in December must file an application for graduation by March 31. Applications received after March 31 and on or before June 15 will incur a late graduation fee. Graduation ceremonies for the academic year are in May.

Dean’s List

Students who carry a full load (12 or more semester hours) of work graded with grade points and who earn a GPA of 3.60 or higher for the semester are placed on the Dean’s List. Those with a GPA of 4.00 for the semester will be recognized with high honors. These students will be recognized at the fall and spring convocations.

Only students who complete all credits attempted for the semester will be eligible for these lists.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) (20U.S.C. 1232g; 34 CFR Part 99) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the US Department of Education.

FERPA gives parents certain rights with respect to their children’s education records. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. This information can be found at the Department of Education website: [www.ed.gov/pring/policy/gen/guid/ferpa](http://www.ed.gov/pring/policy/gen/guid/ferpa). Schools may
disclose, without consent “directory” information such as a student’s name, address, telephone number, date and place of birth, honors and awards, and dates of attendance unless a student requests a “directory hold”.

Rocky Mountain College asks that each student fill out a FERPA form indicating a waiver of their right, so that staff and faculty can speak to parents or other individuals that the student identifies on the form. A student also has the right to indicate that they do not waive their FERPA rights, thus not giving permission for staff and faculty to share their academic information.

Report of Grades

Mid-semester grade reports are progress reports and thus provide students with excellent opportunities to consult with instructors about problems they may be having. Mid-semester grade reports are available on CampusWEB after mid-term break. These grades are not recorded on the permanent records. Final grades in courses are recorded on the permanent records in the office of the registrar.

Final grades will be available on CampusWEB approximately one week after the end of the term. Students may request that grades be mailed to an address of their choice by notifying the office of the registrar before the beginning of finals week. Grades will be mailed by request only.

Transcripts

Transcripts are available upon the student’s written request to the office of the registrar. Each official transcript costs $7.00, paid upon the request of transcript. No transcripts will be issued within two weeks of commencement. A transcript will not be issued unless the student is in good financial standing with the College.

Academic Standing/Probation and Suspension

Students at Rocky Mountain College are expected to make progress toward attaining their degrees. The criteria for good academic standing are as follows:

1. Students must maintain a cumulative GPA of at least 1.75 until completing 26 semester credits.
2. Students must maintain a cumulative GPA of at least 2.00 every semester thereafter (after completing 27 semester credits). Transfer students also must maintain an overall cumulative GPA of at least 2.00, as well as a cumulative GPA of 2.00 in the credits attempted at Rocky Mountain College.
3. Any student with a semester GPA of 1.00 or lower will be placed on probation or will be suspended. Rocky Mountain College reserves the right to suspend any student whose semester GPA is 1.00 or less.

NOTE: In addition, a student must have a cumulative GPA of 2.25 in the major to graduate.

The academic standards committee reviews all students at the end of each semester. Students who do not maintain good standing as defined above will be placed on academic probation or will be suspended. Students who do not make academic progress to remove probationary status after one semester will be suspended from the College. A student will be continued on probation if he or she earns at least a 2.00 GPA during the semester of probation, and the committee determines that the student is making progress toward graduation.

A student may appeal an academic suspension by indicating in writing the reasons why he or she did not make satisfactory academic progress and by submitting a plan for improvement. The appeal must be made within 15 days of notification of suspension and directed to the academic vice president.

Suspended students may be re-admitted after one semester’s absence. Re-admission requires submission of an application for re-admission to the office of the registrar, and consideration by the academic standards committee. If re-admission is approved, the probationary status shall be continued until good academic standing is restored.

Students may lose eligibility for financial aid while on probation. Check with the financial aid office for more information.

Academic Dismissal

If, after re-admission to the College, a student is suspended a second time, the student is dismissed with no further opportunity to enroll at Rocky Mountain College. Probation, suspension and dismissal are permanently recorded on the student’s transcript.
Art

James A. Baken, Professor
Mark S. Moak, Professor

Students who participate in the art program can expect to discover and explore materials, techniques, and cultures from the dawn of human artistic experience to today. They will be guided on their journey by faculty who are passionate about art and believe in the importance of individualized instruction and experience; creativity as a problem-solving endeavor; critical thinking; traveling to monuments and museums of the region, nation, and the world; alternative methods of learning; and the interrelatedness of the studio, art history, aesthetics, art criticism, and a variety of other disciplines. The ultimate goal is self-expression through self-discovery.

Committed to the liberal arts, we strive to provide a learning environment that is challenging, yet encouraging, to art majors and non-majors alike. Some will go on to graduate school, some to teach or work in an art-related field, some will acquire an avocational skill, others will become educated consumers of art; but all will look at, truly see, the world with all of its visual wealth and its amazing peoples in a new light.

NOTES:

1. Students with exceptional preparation in some area of art study may consult with faculty concerning substitutions or waivers of prerequisites.
2. Independent study, directed reading, field practica, among others, may not be taken in art until at least 15 semester hours of regular course work have been satisfactorily completed.
3. Internship credits may be used for no more than 3 semester hours of the required total for the major or minor. Students must complete the professional education program for secondary teaching (grades 5-12) in the “Education” section of the catalog.
4. Students wishing more depth in a studio course may take that course a second time at a higher level, with instructor’s approval.
5. Additional expenses for tools and materials can be expected in most art courses.

Major in Art: Requirements include a minimum of 39 semester hours including the following 30 hours: ART101, ART121, ART220, ART221, ART 222, ART231 or ART232, ART251 or ART252 or ART350, ART490, and two of the following: ART321, ART322, ART323. The additional 9 semester hours for the major may be elected from the remaining courses listed. A significant exhibit of work is required during the art major’s senior year.

Major in Art Education: Requirements include a minimum of 44 semester hours including the 39 hours listed under the major in art plus ART343 and ART353. Discipline-based art education, art production, art history, aesthetics, and criticism is the focus for this major. Students choosing this major are not required to have a teaching minor. Students must complete the professional education program for K-12 teaching as described in the “Education” section of the catalog.

Minor in Art: Requirements include a minimum of 24 semester hours including ART101, ART121, ART220, ART221, ART222, and 9 semester hours of upper-division electives in art.

Minor in Art Education: Requirements include a minimum of 29 semester hours including ART101, ART121, ART220, ART221, ART222, ART343, ART353, ART490, and 6 semester hours of electives in art. Though discipline-based art education is the goal, this minor gives only minimal preparation to teach both elementary and secondary levels (K-12). Students must complete the professional education program for K-12 teaching as described in the “Education” section of the catalog.

Aviation

Daniel G. Hargrove, Director of Aviation
Scott Wilson, Professor
David C. Ison, Assistant Professor
John Koehler, Director of Flight Operations
Ken Wendland, Director of Maintenance
Brad Koch, Flight Simulator Instructor

The aviation program provides students the knowledge and skills required to enter the challenging and exciting world of professional aviation. Graduates will be ready to begin careers as pilots or managers in any sector of the aviation industry.

This multi-disciplinary program of study integrates the development of technical knowledge and skills with studies in the core foundation of the liberal arts. The curriculum emphasizes the communication, decision-making, and interpersonal skills that are critical for safe and effective flight operations. Integrated throughout the curriculum are professional considerations of human performance, ethical behavior, and life-long professional growth as attributes of future leaders in the field of aviation.

Majors are offered in aeronautical science and aviation management, and a minor is offered in aeronautical science. The aeronautical science major combines pilot
A minimum of 52 semester hours is required in the major, including AVS100, AVS101, AVS150, AVS171, AVS172, AVS201, AVS202, AVS203, AVS270, AVS271, AVS272, AVS273, AVS274, AVS306, AVS308, AVS312, AVS317, AVS318, AVS376, AVS400, AVS404, AVS405, AVS419, and 3 semester hours of upper division aviation electives.

Major in Aviation Management: The following are required as part of the general education core courses: PSY101, PHS101 or PHS201, and MAT110. MAT175 is preferred. COM306 is recommended. A minimum of 52 hours is required in the core, including AVS100, AVS101, AVS150, AVS170 or both AVS171 and AVS172; AVS307, AVS308, AVS312, AVS400, AVS405, BSA201, BSA202, BSA209, BSA311, BSA321, BSA343, ECO201, ECO202, and 6 semester hours of upper division electives in aviation or business.

Minor in Aeronautical Science: A minimum of 20 semester hours, including AVS101, AVS150, AVS171, AVS172, AVS203, AVS308, and 5 semester hours of aviation electives.

Program Descriptions

Biochemistry

Cristi H. Hunnes, Professor
Jennifer Lyman, Professor
Claire Oakley, Professor
Daniel Albrecht, Associate Professor
John Barbaro, Assistant Professor
Jindong Mao, Assistant Professor
Douglas M. McFarlane, Assistant Professor
Keri McFarlane, Assistant Professor
Mark R. Watry, Assistant Professor

Completion of the first draft of the human genome project in June 2000 began a renaissance in biomedical research, resulting in new preventative therapies, treatments, and cures for many medical problems. Combined with the recent emergence of several related technologies, such as bioinformatics, genomics, proteomics, molecular biology, and biotechnology, this has led to an enormous demand for people with expertise in biochemistry.

The interdisciplinary nature of biochemistry makes this program quite rigorous, requiring an in-depth knowledge of two intricately related fields: biology and chemistry. This program begins by building a strong foundation of fundamental knowledge in a diverse array of sciences including biology, chemistry, physics, and mathematics. Many of the advanced courses focus on applying knowledge to real-world problems in a laboratory setting, and on training students to design and carry out experiments. Written and oral presentation skills are
developed, as well as an ability to critically evaluate methods and findings from the published literature. These courses stress independence, along with training in the use of cutting edge technology and the exploration of ethical issues concerning the application of these novel technologies.

The program is designed to prepare students for careers or graduate school in biochemistry and related fields such as molecular biology and biotechnology. The multidisciplinary nature of this program makes it ideal for students who are interested in pursuing a career in medicine, medical research and other related health sciences.

**Major in Biochemistry:** A minimum of 53 semester hours in biology and chemistry including the following courses: BIO111, BIO112, BIO203, BIO426, CHM101, CHM102, CHM300, CHM301, CHM401, CHM411, BIO/CHM452, and BIO/CHM460. The remaining semester hours must be either in upper-division chemistry courses or in the following list of approved courses: CHM201, BIO250, BIO306, BIO311, BIO321, BIO322. Credits earned during internships do not count towards completion of the elective credits. MAT175, MAT176, PHS201, and PHS202 are required as corequisites.

**Biology**

*Cristi H. Hunnes, Professor  
Jennifer Lyman, Professor  
Claire Oakley, Professor  
Daniel Albrecht, Associate Professor  
Douglas M. McFarlane, Assistant Professor  
Keri McFarlane, Assistant Professor*

The biology program studies the breadth of life, from cellular mechanisms to ecosystem processes. Students are encouraged to view biological concepts from historical, political, and ethical perspectives as they integrate new ideas and concepts with older ones. The faculty stresses the process of science and the ability to analyze the surrounding world by generating hypotheses, testing hypotheses, analyzing data, and drawing conclusions. Students develop oral and written communication skills through active participation in lecture/discussions and collaborative projects both in the classroom and laboratory/field settings. Students are encouraged to pursue a broad course of study in biology. If desired, majors may specialize in one of two areas: health science or evolution/ecology. Biology students must reach into other sciences (chemistry, physics, earth and environmental) and mathematics to better understand their own discipline. To help students develop a framework for understanding biological literature, they are encouraged to take as many writing classes as possible. Throughout the course of study, students must synthesize old and new information and determine whether concepts are consistent or inconsistent with what they are learning.

The program provides biology majors with a broad foundation, which prepares students for professional schools, the workplace or graduate school.

**Major in Biology:** A minimum of 30 semester hours in biology including BIO111, BIO112, BIO203, BIO306, BIO/CHM452 and one physiology class from the following: BIO252, BIO321, BIO322. In addition: CHM101, CHM102, CHM300, CHM301, and either PHS101 and PHS102 or PHS201 and PHS202.

**Major in Biology Education:** For students wishing to pursue teaching credentials with a biology major, the following courses must be taken in addition to the secondary teacher education program: a minimum of 32 semester hours in biology including BIO111, BIO112, BIO203, BIO250, BIO252 or BIO 321, BIO306, BIO311, BIO315, IDS422. Students must also take CHM101, CHM102, CHM300, CHM301, PHS101 and PHS102 or PHS201 and PHS202, and either BIO452 or CHM452.

**Major in Biology with Occupational Therapy:** A minimum of 30 semester hours including BIO111, BIO112, BIO250, BIO321, BIO322, CHM101, CHM102, CHM300, and one-year sequence of physics. In addition, but not as part of the major, students must fulfill the current prerequisite courses required by Washington University for the 3-2 occupational therapy program. Students need to recognize that this major requires attendance and successful completion of two semesters of class work at Washington University before a bachelor’s degree is granted by Rocky Mountain College. Students who complete the prerequisites are not guaranteed a position in the Washington University program, since they must apply and be accepted.

**Minor in Biology:** A minimum of 20 semester hours in biology (6 credits of upper-division courses) plus one course in chemistry with a laboratory session is required.

**Minor in Biology Education:** For students wishing to pursue a teaching minor in biology, the following courses must be taken in addition to the secondary education program: a minimum of 24 hours in biology including BIO111, BIO112, BIO203, choice of BIO250 or BIO311 or BIO317, either BIO252 or BIO321, BIO306, BIO315. Additionally, one chemistry course with a laboratory session is required, as is IDS422.

**Notes:** The following courses are eligible for biology credit: ESS307, ESS314, and ESS325. Credits earned during internships do not count towards the completion of the 30 credits of biology coursework.
Business Administration and Economics

Sandra L. Barz, Professor
James J. McDowell, Professor, Keith Brown Chair of Business Ethics
Anthony R. Pilz, Professor
Bernard J. Rose, Professor
Scott Severance, Assistant Professor
James Smith, Assistant Professor
James D. Anderson, Visiting Assistant Professor

The objective of the business administration program is to provide graduates with the skills necessary for successful careers in business. To this end, several degree options are available, all of which are built on a traditional liberal arts foundation. Students may explore interests in managerial accounting, management, and economics. All of the aforementioned options are designed to provide not only a strong business background, but also basic foundational skills. In combination with the liberal arts core, the major provides students with the opportunity to develop communication and teamwork skills. Graduates should also be prepared to be effective problem solvers, ready to face the challenges of an ever-changing business environment.

An important part of the major for many students is the opportunity to apply what they have learned through an internship experience. As a part of the major, students work in organizations and earn credit for the experience. The internship requirement provides students with valuable, real-world, practical experiences that are helpful in finding and performing well in later employment. Another hands-on learning opportunity is available through an investment course in which the students determine how to invest $100,000 of the Anderson Special Endowment.

Major Core Courses: All students majoring in the program are required to take BSA201, BSA202, BSA209 or MAT210, BSA450, ECO201, and ECO202. Total semester hours in core: 18.

Minor in Economics and Business Administration: The department also offers three options as minors (18 semester hours each):

Accounting Option: BSA201, BSA202, BSA324, BSA351, BSA352, and BSA 371.

Business Management Option: BSA201, BSA202, ECO202, and 9 semester hours of electives, including at least 6 upper-division semester hours.

Economics Option: ECO201, ECO202, ECO301, and 9 semester hours of electives in economics, including at least one additional upper-division 3-semester hour course.

Master Of Accountancy

The accountancy program at Rocky Mountain College is designed to prepare students for careers in public, governmental, not-for-profit, or industrial accounting. The program is designed to allow students to build on skills and knowledge developed through undergraduate coursework to become skilled, entry-level professional accountants upon graduation. The curriculum is based on the American Institute of Certified Public Accountants (AICPA) core competencies and prepares students to sit for the certified public accountant exam. In its entirety, the program is comprised of both undergraduate and graduate study, which leads, ultimately, to the master of accountancy degree.

Students who begin the accountancy program as undergraduates, will graduate, upon completion of all requirements, with both a bachelor of science in business administration and economics—business management option—and a master of accountancy. The entire curriculum consists of 150 semester hours, and students are required to meet all Rocky Mountain College degree requirements. In addition to the College’s general education requirements, degree candidates must complete the following coursework for the bachelor of science:

Business and Economics Core Requirements: BSA201, BSA202, BSA209 or MAT210, BSA450, ECO201 and ECO202.

Business Management Option: BSA311, BSA321 or BSA422, BSA343, ECO301, and 9 semester hours of electives. To ensure CPA Exam eligibility, candidates should take care to select electives in business and economics disciplines other than accounting. BSA331 is highly recommended as one of these electives. In addition to the requirements noted above, candidates should also complete BSA371, in all cases, CPA exam eligibility requirements for the state in which the candidate intends to sit for the exam should be consulted to ensure that the candidate’s educational program satisfies exam eligibility.

Managerial Accounting Option: BSA311, BSA320, BSA321, BSA 324, BSA351, BSA352, BSA371, and BSA422.

Economics Option: ECO301, ECO345, ECO346, ECO402, and 9 semester hours of electives.

Business and Economics Core Requirements: BSA201, BSA202, BSA209 or MAT210, BSA450, ECO201 and ECO202.

Business Management Option: BSA311, BSA321 or BSA422, BSA343, ECO301, and 9 semester hours of electives. To ensure CPA Exam eligibility, candidates should take care to select electives in business and economics disciplines other than accounting. BSA331 is highly recommended as one of these electives. In addition to the requirements noted above, candidates should also complete BSA371, in all cases, CPA exam eligibility requirements for the state in which the candidate intends to sit for the exam should be consulted to ensure that the candidate’s educational program satisfies exam eligibility.
requirements.

For the Master of Accountancy: degree candidates must complete the following: BSA505, BSA507, BSA521, BSA522, BSA553, BSA608, BSA653, BSA672, and BSA673. BSA352 is a prerequisite for the master’s-level courses.

Students, who enter the accountancy program as baccalaureate degree holders from an institution other than Rocky Mountain College, must meet only the master of accountancy requirements and will graduate only with the master of accountancy. These students should consult with their academic advisor to ensure that, in total, their academic preparation makes them eligible for the CPA exam. Depending upon the student’s academic background, additional courses may be necessary to become eligible for the CPA exam.

Chemistry

Cristi H. Hunnes, Professor
John Barbaro, Assistant Professor
Jingdong Mao, Assistant Professor
Douglas M. McFarlane, Assistant Professor
Mark R. Watry, Assistant Professor

Chemistry is an important component of a liberal arts education. The chemistry program at Rocky Mountain College uses an interdisciplinary approach to teaching that draws from the other sciences, the arts, and the humanities. The goal of this approach is to ignite our students’ interest in chemistry by showing them the relevance that chemistry has in their lives. The curriculum goes beyond simply covering the fundamentals of the principle areas of inorganic, organic, analytical, physical, environmental, and biological chemistry. Students develop creative problem-solving and critical thinking skills, while exploring current ethical issues of chemistry. All students receive hands-on training using a variety of modern analytical instrumentation. Students are also encouraged to participate in research projects.

The chemistry program prepares students for graduate study in chemistry and chemistry-related areas, for acceptance into medical, veterinary, pharmacy, physical therapy, or law school, or for entry directly into a chemistry-related career. Graduates of our chemistry program have excelled in graduate and professional schools and in their careers.

Graduates with a degree in Chemistry from Rocky Mountain College:
1. apply the principles of chemistry to their everyday lives and profession of choice;
2. independently continue life long learning;
3. solve problems and critically evaluate information with respect to chemistry issues;
4. design scientific experiments, interpret experimental results, and draw reasonable conclusions from those results; and
5. effectively communicate scientific ideas and the results of scientific inquiry.

Major in Chemistry: A minimum of 37 semester hours in chemistry including CHM101, CHM102, CHM201, CHM300, CHM301, CHM401, CHM402, and CHM411. In addition, MAT175, MAT176, PHS201, and PHS202 are co-requisites. A maximum of 3 semester hours of internship can be applied towards the chemistry requirements for the major.

Minor in Chemistry: A minimum of 20 semester hour in chemistry, including CHM101, CHM102, and three courses selected from the following: CHM201, CHM300, CHM301, CHM401, CHM402, or CHM411.

Communication Studies

Victoria Christie, Professor
Joseph Gantt, Visiting Assistant Professor

The word “communicate” has the same root as the word “community”: the Latin *communis*. To communicate is to create and engage in community. In studying communication, students are encouraged to use symbols, words, and images to develop important tools of expression. Students learn a discipline, develop critical thinking skills, and explore ethical issues as they develop their own communication skills. Whether practicing the use of sign, causal, and analogical reasoning in a competitive collegiate debate or reflecting upon how people in an AIDS shelter and a modern corporation both create communities in similar ways, students use knowledge about symbols to understand their worlds. It is hoped that students will become articulate and intentional communicators, respecting the integrity and power of the spoken and written word. The skills learned by studying communication are some of those most sought after by employers. Students may choose to major in professional communication or tailor their major through an independent program of study. Accomplishing a minor in communication studies is also an option. Any of these paths will lead students to careers in diverse professions such as human relations, communication consulting, and organizational design, or those paths can lead to graduate and professional schools.

Major in Professional Communication: A
Program Descriptions

Major Core Courses: A minimum of 38 semester hours in computer science is required, including CSC114, CSC130, CSC131, CSC251, CSC330, and either CSC450 or CSC499. A minimum grade of 2.0 is required in each of the non-elective computer science courses. In addition, students must successfully complete MAT175.

Major in Computer Science: In addition, students will choose one of two options. The following courses are required for each of the options:

Computer Science Option: In addition to the general requirements: CSC247, CSC255, CSC352, CSC353 and CSC490 plus 9 semester hours of applicable upper-division electives in computer science but not including CSC391, CSC415 or CSC477, which are courses specific to the IT option. Students are strongly encouraged to take CSC360.

Information Technology Option: In addition to the general requirements: CSC240, CSC391 (two semesters), CSC415, CSC430, and CSC477 plus 7 semester hours of applicable upper-division electives in computer science.

Notes:
- CSC courses with course numbers lower than 110 are not applicable towards completion of the CSC major.
- Each semester hour earned in CSC352 and CSC353 must represent the study of a unique programming language.
- IT-option majors must complete two semesters of CSC391.
- Substitution of CSC499 for CSC450 requires the prerequisite permission of the department.
- No more than 3 semester hours of CSC450 can be applied towards completion of the Computer Science major requirements.

Minor in Communication Studies: A minimum of 21 semester hours, including COM102, COM250, COM260, COM306, COM310, COM/ENG355, COM402, COM404, COM490; and two out of the following four: ENG231, ENG325, ENG365, or ENG490.

Minor in Communication Studies: A minimum of 21 semester hours, including COM102, COM 250, COM 260, COM306, COM 310, COM402, and one course from the following: COM101, COM 308, COM355. Three semester hours of electives may be taken within the communication studies program or within a related field such as theatre or English. Courses outside the communication studies program are to be chosen in consultation with the faculty.

Computer Science

K. Stuart Smith, Assistant Professor
Aaron Benner, Instructor

The computer science program combines the analysis of computing systems with the art and science of creating computer software. The program emphasizes breadth of knowledge and the development of written and oral communication skills - trademarks of a liberal arts education – combined with professional competence in computer science. Small classes encourage significant student-faculty interaction.

A unique study of information technology integrates coursework drawn from the core curriculum of computer science with courses designed to prepare students for careers in system and network administration.

Students choosing computer science will receive education far beyond the ability to write functional programs. The program is designed to serve as a basis for obtaining employment in industry or as a foundation for graduate studies. Students will typically (although not necessarily) concentrate their studies in an area of computer science (“option”) through the selection of electives during their junior and senior years. The major supports three CS options computer applications (CA), computer systems (CS), software engineering (SE); and an option in information technology (IT).

All computer science majors are required to obtain professional experience by completing an internship (CSC450) related to computer science or information technology, as appropriate or through approved independent study. Additionally, all CS-option computer science majors are required to participate in a team-oriented, open-ended research experience by completing the computer science research seminar (CSC490); IT-option majors must participate in the information technology practicum (CSC391).

Education

Paul A. Roper, Professor
Shelley M. Ellis, Associate Professor
Jo Swain, Visiting Assistant Professor

In the next decade, there will be 2.2 million new teachers hired for openings in America’s public schools. To
address the needs of America’s diverse student population, the professional preparation program in teacher education at Rocky Mountain College utilizes a strong theoretical component and applies that theory to the classroom via several practica, many volunteer opportunities, and numerous in-class teaching situations. Rocky Mountain College’s program also provides pre-service teachers with opportunities to explore personal and group relationships so they will have confidence in facilitating student interaction in their own future classrooms.

The goal of Rocky Mountain College’s program is to provide students with the knowledge, skills, and dispositions necessary to be successful as beginning teachers in schools today and to continue as life-long reflective professionals. To achieve this goal, Rocky Mountain College provides students with a strong liberal arts background, in-depth study in the fields in which they plan to teach, the professional knowledge and skills essential for effective teaching, and extensive school-based experience in a variety of school settings.

The teacher education program at Rocky Mountain College will enable its graduates to
- apply their knowledge of human growth, development, and learning to the individual learning styles of all students;
- demonstrate a thorough knowledge of the professional literature and the current trends, issues, research, and research methods across disciplines and in each pertinent content area;
- communicate clearly, accurately, and professionally, both in speech and writing, to peers, colleagues, parents/families, community persons, and other community organizations;
- demonstrate knowledge of the legal and ethical responsibilities of educators, as well as the underlying foundations and history of education in the United States;
- engage students in learning activities that promote critical as well as creative thinking;
- describe major educational aspects of the American school, including its purpose, administrative organization, financial aspects, board functions, and general operations;
- reflectively analyze their teaching and learning in order to improve throughout their careers;
- diagnose and remediate reading deficiencies in their students and confidently select age- and skill-level appropriate reading materials across the content areas;
- teach listening, speaking, reading, and writing skills appropriate to students’ ability levels and content areas;
- design and organize learning environments that accommodate individual learning styles and where students are active, self-directed learners;
- implement classroom management strategies to create a cooperative learning environment, one that promotes students’ self-esteem and helps them respect the rights, interests, heritage, and abilities of others;
- choose and create appropriate, authentic means of assessing student learning and progress; and
- select and design strategies and materials for interdisciplinary teaching and learning experiences as well as for teaching discrete subject areas.

**Career Paths:** Completion of the program provides a strong base for students who wish to pursue advanced professional training in specialized educational programs such as special education, guidance and counseling, and school administration.

**Admission to the Teacher Education Program:**
To be admitted to the teacher education program, students must do the following:

1. successfully complete, or be in the current process of successfully completing, ENG119 or an equivalent writing course, EDC202, PSY205, PSY206, and EDC302; earning at least a grade of “C-” in each;
2. successfully complete, or be in the current process of successfully completing, the first of two required field practica (EDC291E or EDC291S);
3. receive a passing score on the education department’s supervised writing examination;
4. conduct a satisfactory interview with representatives of the teacher education committee; and
5. have an overall minimum GPA of 2.25 with a minimum GPA of 2.50 in the major field and in the education courses.

It is strongly recommended that applicants take and pass the appropriate Praxis II examination(s); the student’s advisor, as well as the registrar, has information about how to register for the Praxis II examination(s) and when the testing dates occur.

Students admitted to the teacher education program must continue to meet minimum program standards or they will be dropped from the program. These standards include maintaining the required GPA (see #5 above) and demonstrating responsible dispositions toward learning in all college work as indicated under the “Dispositions” section of the teacher education program handbook.

**Admission to Student Teaching:** To be admitted to student teaching, students must meet the following
Program Descriptions

Major in Elementary Education: A major in elementary education prepares students for teaching at the elementary school level (K-8). Prerequisite courses for entry into the elementary teacher education program are ENG119, PSY205, PSY206, EDC202, EDC291E, and EDC302. Required courses in the elementary education program are EDC325, EDC330, EDC336, EDC341, EDC343, EDC344, EDC349, EDC350, EDC355, EDC356, EDC360, EDC370, EDC391E, EDC402, EDC410, EDC453, and EDC490E. Other related required courses are ART121, HST211 or HST212, MAT103, MAT104, and SOC101 or SOC242.

Major in Secondary Education: A major in secondary education prepares students for teaching at the secondary school level (5-12). Prerequisite courses for entry into the secondary teacher education program are ENG119, PSY205, PSY206, EDC202, EDC291S, and EDC302. Required courses in the secondary education program are EDC325, EDC330, EDC336, EDC353, EDC370, EDC391S, EDC402, EDC410, EDC420, EDC452, and EDC490S. Students must complete an education major in one of the following fields: biology, English, history, mathematics, psychology, or social studies broadfield* (*See course listings under the interdisciplinary studies section of the catalog.) Students are strongly encouraged to complete an education minor in one of the following fields: biology, English, history, mathematics, psychology, or social studies broadfield. Secondary education students should carefully study departmental requirements listed under the various departments in the catalog, since in many cases, requirements for teaching licensure are different from general majors or minors.

Major in K-12 Education: To become a teacher of art, music, or physical education and health, the student must be prepared to teach at all levels, K-12. Students must complete an education major in one of the following teaching fields: art, music, or physical education and health; or students may complete an education minor in art, music, or Spanish. Prerequisite courses for entry into the K-12 teacher education program are ENG119, PSY205, PSY206, EDC202, EDC291S or EDC291E, and EDC302. Required courses for the K-12 education major are EDC325, EDC330, EDC336, EDC353, EDC370, EDC391S or 391E, EDC402, EDC410, EDC420, EDC454, and EDC490S.

Transfer Courses: All transfer courses used to substitute for courses required in the teacher education program must be approved by the teacher education committee. Rocky Mountain College students must receive prior written approval from the teacher education committee to take teacher education courses elsewhere. An official transcript must be sent directly to the office of the registrar from any previous institution(s).

Transfer Students: Students transferring into the teacher education program must meet all Rocky Mountain College requirements for transfer students and must meet the following items prior to student teaching:
1. elementary education majors must complete a minimum of 12 semester hours in the Rocky Mountain College teacher education program;
2. K-12 and secondary majors must complete a minimum of 12 semester hours at Rocky Mountain College in their major and at least 3 courses in the Rocky Mountain College teacher education program: EDC402: Contemporary Issues in Curriculum, EDC420: Methods for Teaching Content Courses in Secondary Education, and EDC291S: Field Practicum.

Students with Degrees from Other Colleges:
1. must complete a full semester of work (a minimum of 15 semester hours) at Rocky Mountain College including two courses in the teacher education program before student teaching;
2. must meet all Rocky Mountain College requirements for student teaching; and
3. must meet all Rocky Mountain College teacher education program requirements for the teaching major and minor and be recommended by the respective department before student teaching.

In addition, students are strongly encouraged to take the appropriate Praxis II subject assessment tests to meet federal standards.

Major in Elementary Education: A major in elementary education prepares students for teaching at the elementary school level (K-8). Prerequisite courses for entry into the elementary teacher education program are ENG119, PSY205, PSY206, EDC202, EDC291E, and EDC302. Required courses in the elementary education program are EDC325, EDC330, EDC336, EDC341, EDC343, EDC344, EDC349, EDC350, EDC355, EDC356, EDC360, EDC370, EDC391E, EDC402, EDC410, EDC453, and EDC490E. Other related required courses are ART121, HST211 or HST212, MAT103, MAT104, and SOC101 or SOC242.

Major in Secondary Education: A major in secondary education prepares students for teaching at the secondary school level (5-12). Prerequisite courses for entry into the secondary teacher education program are ENG119, PSY205, PSY206, EDC202, EDC291S, and EDC302. Required courses in the secondary education program are EDC325, EDC330, EDC336, EDC353, EDC370, EDC391S, EDC402, EDC410, EDC420, EDC452, and EDC490S.

Students must complete an education major in one of the following fields: biology, English, history, mathematics, psychology, or social studies broadfield* (*See course listings under the interdisciplinary studies section of the catalog.) Students are strongly encouraged to complete an education minor in one of the following fields: biology, English, history, mathematics, psychology, or social studies broadfield. Secondary education students should carefully study departmental requirements listed under the various departments in the catalog, since in many cases, requirements for teaching licensure are different from general majors or minors.

Major in K-12 Education: To become a teacher of art, music, or physical education and health, the student must be prepared to teach at all levels, K-12. Students must complete an education major in one of the following teaching fields: art, music, or physical education and health; or students may complete an education minor in art, music, or Spanish. Prerequisite courses for entry into the K-12 teacher education program are ENG119, PSY205, PSY206, EDC202, EDC291S or EDC291E, and EDC302. Required courses for the K-12 education major are EDC325, EDC330, EDC336, EDC353, EDC370, EDC391S or 391E, EDC402, EDC410, EDC420, EDC454, and EDC490S.

Transfer Courses: All transfer courses used to substitute for courses required in the teacher education program must be approved by the teacher education committee. Rocky Mountain College students must receive prior written approval from the teacher education committee to take teacher education courses elsewhere. An official transcript must be sent directly to the office of the registrar from any previous institution(s).

Transfer Students: Students transferring into the teacher education program must meet all Rocky Mountain College requirements for transfer students and must meet the following items prior to student teaching:
1. elementary education majors must complete a minimum of 12 semester hours in the Rocky Mountain College teacher education program;
2. K-12 and secondary majors must complete a minimum of 12 semester hours at Rocky Mountain College in their major and at least 3 courses in the Rocky Mountain College teacher education program: EDC402: Contemporary Issues in Curriculum, EDC420: Methods for Teaching Content Courses in Secondary Education, and EDC291S: Field Practicum.

Students with Degrees from Other Colleges:
1. must complete a full semester of work (a minimum of 15 semester hours) at Rocky Mountain College including two courses in the teacher education program before student teaching;
2. must meet all Rocky Mountain College requirements for student teaching; and
3. must meet all Rocky Mountain College teacher education program requirements for the teaching major and minor and be recommended by the respective department before student teaching.

In addition, students are strongly encouraged to take the appropriate Praxis II subject assessment tests to meet federal standards.
Program Descriptions

Major in Professional Communications (cross-listed with Communication Studies): A minimum of 33 semester hours, including COM102, COM250, COM306, COM310, COM402, COM490, ENG251 or ENG451, ENG319, ENG325, ENG/COM355, and ENG365.

Minor in Literary Studies: A minimum of 18 semester hours, including ENG231, ENG252; one of the following two courses: ENG272 or ENG273; one of the following two courses: ENG282 or ENG283; plus 6 additional upper-division credits in literature.

Minor in Writing: A minimum of 18 semester hours, including ENG251, ENG319, ENG325, ENG365, ENG451, and ENG490, “Seminar in Writing.”

Environmental Sciences and Studies

James A. Baken, Professor
Victoria Christie, Professor
Timothy Lehman, Professor
Jennifer Lyman, Professor
Mark S. Moak, Professor
Bernard J. Rose, Professor
David Strong, Professor
Gary G. Thompson, Professor
Richard M. Walton, Professor
Daniel Albrecht, Associate Professor
John P. O'Grady, Associate Professor, Coordinator of Environmental Studies
Thomas J. Kalakay, Assistant Professor
Douglas M. McFarlane, Assistant Professor, Coordinator of Environmental Sciences
Keri McFarlane, Assistant Professor

Mission: The environmental science and studies program at Rocky Mountain College, while simultaneously cultivating skills in critical thinking and effective communication, provides students with the intellectual training necessary for understanding the complexity of natural ecosystems as they interface with human concerns.

Program Description: Environmental science and studies majors pursue a liberal arts education by taking relevant courses in the natural sciences, social sciences, and humanities. Students in the program first enroll in a core of introductory courses designed to familiarize them with the diversity and complexity of environmental issues. Each student then selects between one of two baccalaureate degree tracks—the BA in Environmental Studies or the BS in Environmental Science. Upon graduation, students in both tracks are prepared for a wide and rapidly evolving range of careers concerned with the interface between...
human beings and their environment. Similarly, for those students whose career choices require graduate or professional study, the environmental science and studies program provides the training and discipline necessary for the pursuit of an advanced degree.

Environmental Science

The curriculum for the bachelor of science in environmental science includes an interdisciplinary core that encourages students to explore the scientific, ethical, and social aspects of environmental questions. Students are then encouraged to pursue specialization in a focused discipline within environmental science to gain expertise in approaching questions using more technical tools and in-depth knowledge.

Internships and faculty-mentored research projects are vital parts of the program, providing real-world experience. Environmental science majors at Rocky Mountain College have completed internships with government agencies such as the US Forest Service and the Bureau of Land Management, local environmental consulting firms, and other environmental organizations.

Major in Environmental Science: Core requirements: ESS101, ESS105, GEO101, GEO104, ESS225, and ESS490. Other required courses: BIO112, CHM101, CHM215, and MAT210. Two of the following are required: HST365, PHR304, ENG344, PHR378. One of the following is required: POL313, ECO354. One of the following is required as a field experience: ESS351, ESS243, ESS307, GEO350, BIO207, or a field-related internship for a minimum of 3 semester hours. A minimum of 15 semester hours of electives, with at least 9 upper-division semester hours, are required from the following list: any upper-division ESS or GEO course, BIO250, BIO311, BIO306, BIO315, BIO410, ESS300, GEO102, GEO204, GEO205, CHM201, CHM300, CHM301, CHM411. Students are strongly recommended to take electives that satisfy one of three specializations: chemistry, ecology, or geology. Successful completion of an option will be noted on academic transcripts.

Option in Chemistry: CHM102, CHM201, CHM300, CHM301, CHM411, plus one additional upper-division chemistry course or PHS101 or PHS201.

Option in Ecology: BIO330. In addition, four of the following: BIO250, BIO311, BIO315, BIO317, BIO347, ESS230, ESS307, ESS314, ESS321, ESS325, ESS345.

Option in Geology: GEO102, GEO204. In addition, three of the following: GEO205, GEO302, GEO310, GEO311, GEO320, GEO350, GEO415, ESS321, ESS345.

Minor in Environmental Science: One of the following is required: ESS105 or ESS115. In addition, either CHM101, BIO112, or GEO101 and GEO104. ESS225 is required. In addition, 8 semester hours in upper-division courses are required from the following list: any upper division ESS course, GEO302, GEO310, GEO320, BIO315, BIO410, CHM300, CHM301.

Environmental Studies

The environmental studies major provides students with an interdisciplinary opportunity to investigate the relationship between humans and their environment. As distinct from Environmental Science, the curriculum in Environmental Studies is based in the arts, humanities, and social sciences, emphasizing the political, economic, and social organization of human cultures in relation to the natural world, as well as the artistic, philosophical, and experiential responses to natural and built environments.

Major in Environmental Studies: Core requirements: ESS101, ESS105, GEO101, GEO104, ESS225, and ESS490. At least three of the following: ECO354, ENG344, HST365, PHR304, PHR378, POL313. At least two of the following are required: ESS207, ESS230, ESS321, BIO111, BIO112, CHM100, CHM101, GEO102, MAT210. Two of the following courses are required: ART243, ART245, COM404, ENG270, ENG344, PHR304, PHR378. One of the following courses is required: ECO354, POL313, SOC241, SOC242.

Equestrian Studies

Scott Neuman, Director
Marilyn Randall, Associate Professor
Dr. Ray Randall, Assistant Professor
Christi M. Brown, Instructor
Nona Austin, Instructor

The equestrian studies program at Rocky Mountain College provides the student a venue for his or her passion for horses. The program offers a firm foundation in equitation to increase skills as a rider; a progressive training approach to encourage the student to form a valuable structure for educating a horse using generally accepted training principles; and a solid background in equine management fundamentals. These fundamentals include a broad-based series of courses designed to give each student exposure to the reality of living with and being responsible for horses. From the basic care of the horse through veterinary courses and stable management to responsible breeding program development with selection and reproduction or managing a program of therapeutic riding, the program encourages
each student to find his or her place.

When core subjects are met, the student can choose a program increasingly more tailored to his or her interests whether it is teaching, training, writing, business, therapeutic riding, using technology, or marketing. Combined with Rocky Mountain College’s traditional liberal arts program, students are provided a variety of experiences promoting life-long learning and an understanding of the world around them. This multifaceted approach not only prepares the equine student to succeed in a complex and ever-changing global equestrian industry but to meet the challenges of life in a world of diversity as well.

Requirements for the Bachelor of Science degree are a minimum of 124 semester hours of course work, with 38 - 52 credits in equestrian studies and 83 credits from the liberal arts core and elective classes.

Equestrian facility use fees are not included in basic tuition and are charged in addition to tuition, college fees, and other incidental expenses normally charged during registration (see “Tuition and Fees” in the catalog’s “Financial Assistance” section).

**Major in Equestrian Studies:** Students will choose one of five options:

- **Equitation And Training Option:** A minimum of 41 semester hours is required, including EQS101, EQS102, EQS121, EQS122, EQS201, EQS225, EQS226; either EQS231 and EQS232 or EQS251 and EQS252; EQS300, EQS302, EQS321, EQS322, and EQS402. Students in this major are strongly recommended to take EQS401, EQS421, and EQS422 as electives.

- **Equine Business Option:** A minimum of 38 semester hours is required, including EQS101, EQS102, EQS121, EQS122, EQS201, EQS302, EQS402, BSA201, BSA202, ECO202, and 9 hours of upper-division electives in business administration and economics. Recommended electives are EQS231 and EQS232.

- **Equine Writing And Publications Option:** A minimum of 41 semester hours is required, including EQS101, EQS102, EQS121, EQS122, EQS201, EQS302, EQS402, ENG251 or ENG451, ENG319, ENG325, ENG365, ENG490 ("Seminar in Writing"), COM355, and COM402. Recommended electives are EQS231 and EQS232.

- **Riding Instructor Option:** A minimum of 44 semester hours is required including EQS101, EQS102, EQS121, EQS122, EQS201, EQS231, EQS232, EQS321, EQS322, EQS401, EQS402, EQS405, EDC302, and PSY312. Recommended electives are EQS225, EQS226, EQS421, and EQS422.

- **Therapeutic Riding Option:** A minimum of 52 semester hours is required, including EQS100, EQS101, EQS121, EQS122; EQS201, EQS209, either EQS251 and EQS252 or EQS231 and EQS232; EQS302, EQS309, EQS401, EQS415, EQS450 (6 semester hours), EDC330, PEH122, PEH204, and PEH315. In addition, a minor in psychology must be completed.

**Minor in Equestrian Studies:** A minimum of 21 semester hours is required, including EQS101, EQS102, EQS121, EQS122, EQS201, and EQS302. An additional three hours of course work must be chosen from the following upper-division courses: EQS300 and EQS402.

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**Foreign Languages and Literatures**

*Susan R. McDaniel, Professor*

*Angelina V. Cormier, Instructor*

The foreign languages and literatures program introduces students to other languages and cultures. Learning another language within the context of its culture promotes the understanding and acceptance of others and their culture. It also helps us to understand our own culture, both individually and as a group. The program uses the four basic language acquisition skills of reading, writing, listening, and speaking in order to learn at each successive level. In addition to being instrumental and vital to learning another language, using and honing these skills also helps to advance English language development.

The program is integral to the liberal arts mission of the College. Students discover that one cannot categorize meaning into compartmentalized boxes. Language and the culture in which those words are imbedded help students comprehend economic systems, the fine arts, and history/political science.

The aim of the foreign languages and literatures program is for the student to be able to read, write, and converse with increasing ability as he or she moves to the next course. The goal of this gradual improvement is to make the student an effective communicator in a native-speaking environment. Toward this end, Rocky Mountain College strives to make opportunities available for travel and study abroad.

The foreign languages and literatures program offers a minor in Spanish. Courses in Italian language and culture are offered at the beginning level and on demand at higher levels. French courses will be offered on demand. Opportunities to study other languages are periodically available.

**Minor in Spanish:** A minimum of 20 semester hours is required, six of which must be upper-division hours.

**Minor in Spanish Education:** A minimum of 20 semester hours is required, six of which must be upper-division hours. In addition, students must complete the professional education program for K-12 as described in the “Education” section of the catalog.
Geology

Gary G. Thompson, Professor,
O.A. and Esther T. Seager Chair in Geology
Thomas J. Kalakay, Assistant Professor

Geology is an interdisciplinary science, which integrates physics, chemistry, mathematics, and biology to examine the planet Earth. Students often choose geology because of an interest in the natural world and a desire to work outdoors. Some geologists are employed to explore for energy, mineral and water resources while others evaluate the potential hazards of earthquakes, floods, landslides, waste disposal, and volcanic eruptions. The goals of the geology program are to prepare students for professional careers in the geosciences and provide the background required for graduate studies. The program offers two options of study for students: a major in geology or a minor in geology. In addition, a geology option is offered through the environmental science program.

With a base in the Rocky Mountains, the geology program emphasizes broad-based, field-oriented studies in traditional geologic disciplines. With this background, graduates are highly prized by private industries such as oil and gas, mining and environmental consulting. While at Rocky Mountain College, geology majors are extensively involved in research with major participation in projects funded by the US Geological Survey, the Montana Bureau of Mines and Geology, and the National Science Foundation. Students are encouraged to work on independent study/research projects with individual faculty. Students also have access to laboratories and analytical equipment within the geology department or through collaboration with other academic institutions.

**Major in Geology:** A minimum of 47 semester hours including GEO101, GEO102, GEO104, GEO204, GEO205, GEO302, GEO311, CHM101, PHS101, and MAT175 or MAT210; as well as 12 semester hours from GEO209, GEO301, GEO310, GEO320, GEO350, GEO409, GEO415, GEO483, ESS321, ESS345, or a course approved by a geology advisor.

**Minor in Geology:** A minimum of 20 semester hours including GEO101, GEO102, GEO104, GEO204, and GEO302.

**Major in Environmental Science, Geology Option:** See listing under “Environmental Science and Studies.”

For a full description of the program, faculty and courses see [http://geology.rocky.edu](http://geology.rocky.edu)

History and Political Science

Dale E. Zimdars, Professor
Timothy Lehman, Professor

The program in history and political science prepares students for professional work in the disciplines and supports the liberal arts mission of the College. Whether serving the major or a general education requirement, courses are characterized by attention to careful reading of texts, analysis of important issues of interpretation and meaning, and effective writing. Most classes are moderate in size, which allows ample opportunity for discussion and the development of critical thinking. These habits of mind are essential for success in professional life and prepare students for an active and engaged life as a citizen of our region, the nation, and the world.

The history and political science majors prepare students for graduate study or for careers in teaching and public service. In recent years, the program has sent students to law school, careers in teaching, graduate study in history and political science, political consulting, and careers in government and public service.

**Major in History:** A minimum of 30 semester hours, including at least two courses in world or European history, at least two courses in American history, HST490, and a series of electives chosen in consultation with the program.

**Major in History and Political Science:** A minimum of 30 semester hours chosen in consultation with the program, and including HST490.

**Major in History Education:** A minimum of 30 semester hours, including at least one course in world history, at least two courses in European history, at least two American history courses, one course in the regional history of the American West, HST490, and electives chosen in consultation with the program.

**Minor in History:** A minimum of 20 semester hours chosen in consultation with the program.

**Minor in Political Science:** A minimum of 20 semester hours chosen in consultation with the program.

**Minor in History Education:** A minimum of 20 semester hours, including at least one course in world history, one course in European history, two courses in American history, one course in western regional history, HST490, and electives chosen in consultation with the program.

**Minor in Political Science (Government) Education:** A minimum of 21 semester hours is required, including POL101, POL203, POL401, and 12 semester hours of electives. In addition, students must complete the professional education program for secondary teaching
overload fees, and an increase in scholarship assistance as they pursue chosen projects during their senior year.

**Fall semester junior year**: Approved honors entrants who have been either self-nominated or faculty-nominated participate in HON309, Honors Proposal Development. A single leader will bring to this course faculty guests appropriate to the academic interests of the participants. Honors students will share development problems and other common concerns, producing honors proposals with research outlines and planning future course work germane to their proposals. Only well developed proposals will be approved for academic support and funding by the honors committee, although a student may submit a revised proposal during the semester.

**Spring semester junior year**: Honors students with approved proposals will pursue courses relevant to their projects.

**Fall semester senior year**: Honors students will commence work on their projects in HON490, Senior Honors Project, as well as participate in a leadership course, HON409.

**Spring semester senior year**: Honors students will register for a second semester of HON490, Senior Honors Project as well as HON491, Project Presentation, a rehearsal seminar climaxing in the graded public presentation of the completed project. In cases of mid-year graduation, HON491 will also be provided for the fall semester.

### Individual Program of Study

The individualized program of study (IPS) allows students to design a program that is not regularly offered by Rocky Mountain College. Any student who has not completed the junior year is eligible to apply for IPS. The student determines, with the help of faculty advisors, a program of study tailored to meet individual needs and interests. The IPS may apply to the student’s total program, to the major, or to the minor. All other graduation requirements must be completed.

The student’s academic advisor, the council of chairs, and the academic vice president must approve all IPS programs. All proposals must be approved by the end of the student’s junior year. Applications should include the educational rationale behind the program and a list of all courses to be applied toward the program. All IPS majors and minors must meet the minimum criteria listed in the requirements for a baccalaureate degree. Proposals are evaluated on the basis of whether an IPS provides a coherent program of study, whether it can better meet the needs of the student, and whether the student can offer

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(grades 5-12) as described in the “Education” section of the catalog.

**Major in Social Studies Broadfield Education**: This may be an appropriate choice for those who desire to teach in smaller school districts. Pre-service teachers concerned about federal standards for “Highly Qualified” status may be better served to choose a major in history education, a minor in political science education and take the appropriate PRAXIS II subject assessment tests. Required is a minimum of 24 credits in history, 15 in political science, and 12 psychology. In addition, students must complete the professional education program for secondary teaching as described in the education section of the catalog. Required are the following courses:

**History**: HST103 or HST104; one of the following: HST203, HST204, HST313; HST260/360 or HST311; HST490; and two of the following: HST211, HST212, HST363, HST365, plus 6 credits history electives;

**Political Science**: POL101, POL203, POL401, and 6 credits of upper-division electives;

**Psychology**: PSY101, PSY206, and 6 credits of upper-division electives.

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**Honors Program**

Susan R. McDaniel, Director

The honors program enhances the education of some of our finest students within an eight-hour curriculum, which allows them to work intensively with a single professor in the production of a project relevant to career or graduate education interests. The projects vary widely in scope. Some students elect creative works in music, drama, or spatial arts. Others may do specialized research into an historical or literary topic. Students in the sciences may wish to complete some original research. In all cases, students’ projects are started and completed with the approval and close support of the honors committee, as explained in the sequence below.

Successful honors students find that participation in this program not only brings them closer to professionals in their chosen fields, but also grants them a substantial credential in their applications to graduate schools or employment opportunities.

The honors program at Rocky Mountain College is open to students who, by the second semester of their sophomore year, have achieved a GPA of 3.40 or better. Other interested students may petition the honors committee for admittance to the program. Active honors students enjoy reserved carrels in the library, freedom from academic
evidence of ability to plan and carry out such a program. To be eligible for consideration, the student must be regularly enrolled at Rocky Mountain College and available for regular on-campus contact with the major advisor.

**Interdisciplinary Studies**

A specific international studies curriculum is not offered at Rocky Mountain College. Instead, students are encouraged to work with their academic advisors to either 1) choose a specific major and add international and intercultural dimensions to it through study abroad and by taking courses which will provide both international and intercultural perspectives, or 2) develop an individualized program of study (IPS) which would combine those courses that best support the student’s educational and career goals in international relations, area studies, language studies, or other international and intercultural fields. The IPS option has been used by many students interested in developing a foundation for further study in international diplomacy, economic and social development, business, interpreting/translation, specific language study, and intelligence/security issues.

**Major in Social Studies Broadfield Education:** This may be an appropriate choice for those who desire to teach in smaller school districts. Pre-service teachers concerned about federal standards for “Highly Qualified” status may be better served to choose a major in history education, a minor in political science education and take the appropriate PRAXIS II subject assessment tests. Required is a minimum of 24 credits in history, 15 in political science, and 12 psychology. In addition, students must complete the professional education program for secondary teaching as described in the education section of the catalog. Required are the following courses:

**History:** HST103 or HST104; one of the following: HST203, HST204, HST313; HST260/360 or HST311; HST490; and two of the following: HST211, HST212, HST363, HST365, plus 6 credits history electives;

**Political Science:** POL101, POL203, POL401, and 6 credits of upper-division electives;

**Psychology:** PSY101, PSY206, and 6 credits of upper-division electives.

**Management (Degree Completion)**

*Stephanie Schmitz, Director*

The degree completion program is designed to meet the needs of adult students who have completed some college courses previously. These students are typically working full-time and are interested in completing their degree in the evening while continuing to work. The bachelor’s degree in management is designed to apply closely to career goals. Classes are taught in a manner that is conducive to learning for adults.

**Curriculum:** The curriculum contains 17 classes called modules (51 credits), including 16 management modules and one advanced writing module. The modules meet one night per week.

**Graduation Requirements:** In addition to fulfilling all requirements for a baccalaureate degree (see “Academic” section), degree completion students must complete all management courses with a minimum GPA of 2.25.

**Additional Information:** Throughout the year, Rocky Mountain College has information sessions on campus and at other locations to inform prospective students and employers about the degree completion program. For more information, contact the College at (406) 657-1134 or 1-800-877-6259, ext. 1134 or e-mail graduate@rocky.edu.

**Mathematics**

*Debra Wiens, Professor*

*Ulrich Hoensch, Assistant Professor*

*Christopher Yakes, Assistant Professor*

*Robyn Cummings, Instructor*

The goal of the mathematics program is to give students a solid theoretical and applied foundation in the broad areas of analysis, algebraic theory, and applied math. In doing so, the faculty challenges students to think critically and logically, to solve problems and prove theorems, to recognize that mathematics is interrelated with many other disciplines, and to apply these skills to their lives. Students learn that theoretical mathematics requires not only a thorough knowledge of the discipline, but also a large dose of creativity. Students also learn to communicate their knowledge through mathematical symbols, written essays, and oral presentations.

Mathematics is an important component of a liberal arts education. A mastery of the basics of mathematics is essential for student success in college and throughout life. Many mathematics classes are interdisciplinary, introducing applications from a wide variety of fields. The mathematics program prepares majors to successfully teach, work in any of a wide variety of applied areas, or continue on to do graduate work. Graduates of the mathematics program have excelled both in graduate school and in their careers.
Major in Mathematics: A minimum of 39 or 40 hours is required, including MAT175, MAT176, MAT201, MAT202, MAT313, MAT316, MAT317, MAT318, MAT400, MAT492, and any two courses in mathematics numbered 200 or above, with one of those being MAT314 or MAT493. Electives from computer science are recommended.

Major in Mathematics Education: Normally this is a 4½ year program. A minimum of 45 semester hours is required, including MAT175, MAT176, MAT201, MAT202, MAT210 or MAT310, MAT212, MAT220, MAT306, MAT307, MAT312, MAT317, MAT318, MAT422, and 3 hours of courses in mathematics numbered 200 or above. Electives from computer science are recommended. In addition, students must complete the professional education program for secondary teaching (grades 5-12) as described in the “Education” section of the catalog. Because this is an extended major, no education minor is required. If students choose to have a minor, it does not have to be an education minor.

Note: If a student majors in both mathematics and mathematics education, he or she must complete the requirements of both majors but does not need to take additional credits within the mathematics department. Majoring in both mathematics and mathematics education requires a minimum of 59 semester hours.

Minor in Mathematics: A minimum of 26 hours is required, including MAT175, MAT176, MAT201, MAT307 or MAT313, MAT317, and 7 hours of courses in mathematics numbered 200 or above. MAT422 may not be included.

Minor in Mathematics Education: A minimum of 39 semester hours is required, including MAT175, MAT176, MAT201, MAT210, MAT220, MAT306, MAT307, MAT312, MAT317, MAT318, MAT422, and 3 hours of courses in mathematics numbered 200 or above. In addition, students must complete the professional education program for secondary teaching (grades 5-12) as described in the “Education” section of the catalog.

Music

Frederick B. Binckes, Professor
Steven Hart, Associate Professor
Steven Werpy, Assistant Professor/Director of Band Activities
Leann Vralsted, Piano

The music program provides students of Rocky Mountain College with substantive training in music education, which is fully integrated into the liberal arts tradition. Through courses and experiences in music performance, music history, and music theory, interested participants can develop an awareness of the role of music in the enrichment of the human spirit. But beyond this informed appreciation of music’s positive influence in diverse cultures, the music program strives to develop disciplined and skilled teachers and performers through personal coaching in both private lessons and ensemble rehearsals. The critical and analytical skills encouraged in these activities can be potent forces in equipping students with both the cultural and technical perspectives essential to effective participation in an ever-changing society.

Students majoring in music performance or music education can expect to receive a detailed, intense education covering a wide variety of musical subjects. The performance curriculum is well-suited to students preparing for graduate study in music, while studies in music education, taken in conjunction with the fulfillment of state education requirements, qualify graduates to teach choral and instrumental music in kindergarten through twelfth grades.

The minor in music is an extremely flexible and accessible academic structure designed for the musically talented student pursuing a major in another field, while the minor in music education is designed to provide dual certification for those majoring in elementary education.

Piano Proficiency Test: All music education majors must pass a proficiency test in piano. Piano proficiency is the ability to play scales in all sharp and flat keys and to transpose and harmonize simple songs and hymns.

Performance Requirements: All music majors must participate in at least one performing ensemble each semester of enrollment. No more than four semester hours of ensemble credit may be applied to the major. Two semester hours must be in a college choir and two semester hours must be in a large instrumental ensemble. A senior recital is required of all music and music education majors. Half junior and full senior recitals are required of all performance majors.

Recital Attendance: Music majors and minors are required to attend all music department recitals throughout their program of study.

Major in Music Performance: A minimum of 50 semester hours is required, including MUS020, MUS030, MUS040, MUS111, MUS112, MUS201, MUS202, MUS211, MUS212, MUS311, MUS312, MUS402, 8 semester hours in applied study, and 8 semester hours in ensemble participation.

Major in K-12 Vocal and Instrumental Music Education: A minimum of 60 semester hours is required, including
Philosophy and Religious Thought

Jay Cassel, Professor
David Strong, Professor

Literally, philosophy means the love of wisdom. Pursuing wisdom through carefully reasoned reflection, philosophy inquires into questions concerning the meaning of life, virtue, morality, freedom, God, and death. Religious thinkers ask the same questions, but in the context of religious traditions and sacred texts. On more theoretical levels, philosophy is concerned with reality and knowledge, often examining the unstated assumptions underlying other disciplines. Both religion and philosophy are vitally interested in ethics.

This combined program is designed to give students an introduction to the issues of religious thought and philosophy; to allow them to investigate the philosophical and religious implications of what they are studying, doing, and thinking; and to prepare majors for a wide variety of possible further study, including graduate school, seminary, or professional fields such as law school. We encourage capable students to double major in philosophy and religious thought and some other field, such as teaching English.

Major in Philosophy and Religious Thought: A minimum of 24 semester hours, selected with the advice of the department so as to provide a coherent program. Students considering graduate school are urged to do an independent project (PHR499).

Minor in Philosophy and Religious Thought: A minimum of 18 semester hours selected with the advice of the department, with 12 being above the 100-level. Six semester hours must be upper-division courses.

Native American Studies

Janine B. Pease, Interim Director

The Native American Studies minor is a series of interdisciplinary courses about Native America. The curriculum comes from history, political science, education, art, literature, economics and anthropology. Perspectives and worldview as well as Native knowledge will guide this interdisciplinary exploration. A minor in Native American Studies compliments many degree choices. Issues of tribal sovereignty, self-determination, assimilation, culture and tradition, oral tradition and religious freedom are depicted in times past as well as in contemporary American Indian times.

Minor in Native American Studies: A minimum of 18 semester hours with at least 6 credits in upper-division courses is required, including NAS110, NAS223, NAS270, and SOC242.

Physical Education and Health

Clarece M. Lacy, Professor
Paul A. Roper, Professor

The physical education and health program examines the many dimensions of health and human performance. The major goal of the program is to enable students to make informed health decisions. The program prepares students to become competent entry-level professionals, as well as advanced study candidates.

To achieve these outcomes, the student will analyze the structure and function of the human body, apply physiological and biomechanical concepts to human movement, examine the acquisition of motor skills,
explore the multi-dimensional nature of the health and human performance discipline, examine ethical issues and culturally diverse values related to the discipline, achieve the specific physical skills required to be competent in their profession, acquire a lifelong quest for knowledge, and develop a commitment to act responsibly in one’s profession and on behalf of one’s community.

The physical education and health program offers varied opportunities for guided work experiences with schools, hospitals, sports medicine clinics, wellness centers, corporate fitness programs, and fitness facilities. These capstone opportunities allow students to express their multi-disciplinary education by applying creative problem solving and communication skills in professional settings.

**Major in Physical Education and Health:** Five options are offered under the major:
1. athletic training
2. education K-12
3. exercise science
4. physical education and health studies
5. sport management

**Athletic Training Option:** A minimum of 43 semester hours is required, including PEH122, PEH181, PEH182, PEH204, PEH210, PEH211, PEH215, PEH222, PEH281, PEH282, PEH320, PEH322, PEH356, PEH381 or PEH382, PEH425, and PEH481. Related requirements are CHM 100, PHA247, and PSY101. Note: BIO321 may substitute for PEH204. This program is designed to prepare students for an entry-level graduate program in athletic training that will lead to eligibility to sit for the National Athletic Training Association Board of Certification examination. The course work will establish a knowledge base in sports medicine and develop techniques in sports injury evaluation, management, and rehabilitation.

**Education K-12 Option:** A minimum of 47 semester hours is required, including PEH101 (swimming) or PEH105, PEH106, PEH107, PEH122, PEH210, PEH211, PEH222, PEH312, PEH315, PEH320, PEH325, PEH356, PEH391, PEH412, PEH420, PEH421, PEH441, EDC341, and EDC342. Related requirements are BIO321 or PEH204, and either COM102 or THR132. This option meets the health enhancement certification requirements of the state of Montana. In addition, students must complete the professional education program for K-12 as described in the “Education” section of the catalog. **Students seeking an endorsement in PEH K-12 must earn a minimum grade of “C” in all required PEH courses, including prerequisites.**

**Exercise Science Option:** A minimum of 41 semester hours is required, including 3 semester hours chosen from PEH101 and PEH102 (in consultation with department), PEH110, PEH122, PEH210, PEH211, PEH215, PEH222, PEH315, PEH320, PEH356, PEH412, PEH441, and PEH450 (8 credits). A related requirement is either BIO321 or PEH204. Certification either as a health/fitness instructor by the American College of Sports Medicine or as a certified strength and conditioning specialist by the National Strength and Conditioning Association is strongly recommended. This option is designed to prepare individuals for work with fitness and health promotion programs in corporate, community, hospital and health club settings.

**Physical Education and Health Studies Option:** A minimum of 32 semester hours is required, including 4 semester hours chosen from PEH101, PEH102, PEH105, PEH106, or PEH107; additional requirements are PEH110, PEH122, PEH210, PEH222, PEH315, PEH320, PEH356, PEH412, and 6 semester hours of electives approved by the program. Related requirements are BIO321 or PEH204. This option requires a core of foundation courses with electives to be chosen dependent upon the student’s career goal.

**Sport Management Option:** A minimum or 49 semester hours is required, including: BSA201, BSA202, BSA321, BSA331, BSA343, BSA345, BSA371, ECO201 or ECO202, PEH300, PEH412, PEH421, COM102, COM306, SOC101, PSY101, BSA450 or PEH450 (3 credits).

**Minor in Physical Education and Health:** These options are offered under the minor in physical education and health:
1. athletic training
2. coaching
3. physical education and health studies

**Athletic Training Option:** A minimum of 43 semester hours is required, including PEH122, PEH181, PEH182, PEH204, PEH210, PEH211, PEH215, PEH222, PEH281, PEH282, PEH320, PEH322, PEH356, PEH381 or PEH382, PEH425, and PEH481. Related requirements are CHM 100, PHA247, and PSY101. Note: BIO321 may substitute for PEH204. This program is designed to prepare students for an entry-level graduate program in athletic training that will lead to eligibility to sit for the National Athletic Training Association Board of Certification examination. The course work will establish a knowledge base in sports medicine and develop techniques in sports injury evaluation, management, and rehabilitation.

**Education K-12 Option:** A minimum of 47 semester hours is required, including PEH101 (swimming) or PEH105, PEH106, PEH107, PEH122, PEH210, PEH211, PEH222, PEH312, PEH315, PEH320, PEH325, PEH356, PEH391, PEH412, PEH420, PEH421, PEH441, EDC341, and EDC342. Related requirements are BIO321 or PEH204, and either COM102 or THR132. This option meets the health enhancement certification requirements of the state of Montana. In addition, students must complete the professional education program for K-12 as described in the “Education” section of the catalog. **Students seeking an endorsement in PEH K-12 must earn a minimum grade of “C” in all required PEH courses, including prerequisites.**

**Exercise Science Option:** A minimum of 41 semester hours is required, including 3 semester hours chosen from PEH101 and PEH102 (in consultation with department), PEH110, PEH122, PEH210, PEH211, PEH215, PEH222, PEH315, PEH320, PEH356, PEH412, and two of the following: PEH301, PEH302, PEH303, PEH305, PEH306, PEH307, PEH311. Many state education departments do not require a coach to be a certified teacher but do require that coaches meet qualification standards. This option prepares students to meet those qualification standards.
Physical Education and Health Studies Option:
A minimum of 25 semester hours is required, including 3 semester hours chosen from PEH101, PEH102, PEH105, PEH106, or PEH107; additional requirements are PEH122, PEH204, PEH210, PEH222, PEH320, PEH356, and PEH412. This option, when combined with majors such as business or psychology, allows the student to prepare for physical education-related careers.

Pre-Professional Program in Physical Education and Health

The Pre-Professional Athletic Training Option: A minimum of 73 semester hours is required. The course work is designed to complement the 2-3 program at the University of Montana. Students spend an average of 2 years at Rocky Mountain College satisfying specific prerequisite courses and then transfer to the University of Montana. Students are not guaranteed a position at the University of Montana; they must apply and be accepted. The prerequisite courses are as follows: PEH110, PEH122, PEH181, PEH182, PEH210, PEH215, PEH222, PEH281, PEH282, PEH322, PEH356, PEH425, BIO111, BIO250, BIO321, BIO322, CHM101, CHM102, COM102, CSC100 (or equivalent), EDC370, ENG119 and ENG219, and MAT100.

School of Allied Health
Master of Physician Assistant Studies

Scott Murray, MD, Interim Director/Clinical Scientist
Steven L. Bents, Associate Program Director
Leonard Etchart, MD, Medical Director
Donald Cooper, MD, Medical Director
Kelli Lala, Clinical Coordinator
Mary Wilson, Academic Coordinator
Deborah Richardson, Admissions Manager
Alice Meyer, Program Secretary

The physician assistant (PA) is a primary healthcare provider who practices medicine under the supervision of a licensed physician. The concept of the physician assistant was developed from the basic premise that many tasks performed by physicians can be carried out with equal competence by other specially trained health professionals.

The Rocky Mountain College Master of Physician Assistant Studies Program is an ARC-PA (Accreditation Review Commission on Education for the Physician Assistant) accredited program. Only graduates from ARC-PA accredited PA programs are eligible to sit for the PANCE (Physician Assistant National Certifying Examination) and become licensed to practice. The PANCE is the entry-level exam PA’s must pass to become nationally certified.

The program is an integrated, full-time, 26-month program consisting of both didactic and clinical instruction. It is an intensely challenging curriculum, both intellectually and physically; thus, it requires stamina as well as personal and financial sacrifice.

The course work begins just prior to the fall semester of each academic year. The first 13 months of the program will include the fundamental behavioral and clinical sciences required for the professional course of study, as well as courses designed to better prepare the students for expanded health care roles that meet the developing needs of today’s society. A total of 26 courses totaling 61 semester hours of credit will be presented using a combination of lecture, demonstration, discussion, and laboratory formats requiring a significant time commitment. Students must successfully complete all components of the didactic phase prior to advancing to the clinical instruction phase.

The final 12 months of the program constitute the major period of clinical education, with an emphasis on primary care. The clinical instruction includes a 15-week family practice rotation plus other rotations in various specialties. Students must be willing and able to relocate at their own expense to places distant from Billings, Montana for up to 12 months during the clinical phase of their education. Employment while enrolled is strongly discouraged.

Non-degree students are required to fulfill all Rocky Mountain College’s general education requirements for the master of science degree, and all other prerequisite course work listed below prior to applying for the PA program. All prerequisite course work is available at Rocky Mountain College. Technical standards apply and are available upon request.

The mission of the Rocky Mountain College Master of Physician Assistant Studies Program is to provide a quality medical education that integrates classroom training, professionalism and clinical experience. The College’s aim is to produce graduates who have a commitment to others, particularly those in the rural and medically underserved areas of this region.

The liberal arts tradition and objectives of lifelong learning, critical thinking, communication skills, recognition of other cultures, and exploration of ethical issues are a valuable and necessary part of the physician assistant academic process and profession.

Minimum Application Requirements: Each student applying for admission must meet or exceed each of the following criteria: minimum GPA 3.00 on a 4.00 scale; all prerequisite course work completed, including the
Physics

Richard M. Walton, Professor

The concepts and principles of physics form the foundation on which all other sciences are built. Developments in the field of physics have also influenced thinking in philosophy, politics, and art, among other areas.

Physics courses at RMC cover the major ideas of both classical and modern physics. Students can gain the understanding required for majors in other sciences, including biology, chemistry, environmental science, and geology. Physics courses are also necessary for students planning careers ranging from aviation and engineering to the health sciences. Other physics courses provide an option for non-science majors to satisfy general education requirements while learning to better appreciate the physical universe around them and also to be better-informed members of a technologically complex society living on an environmentally challenged planet.

Physics courses provide students an opportunity to learn and practice rigorous, quantitative, and mathematical analyses as well as careful and precise verbal discussions. Courses are offered on a wide range of mathematical levels. Some require a proficiency in calculus; others require little mathematics, but all expect students to have, or develop, some ability at quantitative thinking.

Minor in Physics: A minimum of 18 semester hours is required, including PHS201, PHS202, and PHS300.
collect data, design and conduct studies, interpret and apply research, and discover what that research means in the real world of people. When analysis is completed, they learn to communicate their findings both orally and in writing. Such work prepares them for graduate work in psychology.

Whether using statistics to support experimental research, literary analysis to help explicate a psychological passage in a novel, or cultural history to broaden awareness of their field, students use the liberal arts as grounding for disciplinary knowledge.

**Major in Psychology:** A minimum of 30 semester hours is required, including PSY101, PSY205 or PSY206, PSY305, PSY350, PSY312, PSY410, PSY431, and PSY450. In addition, either BSA209 or MAT210 is required, and a course in biology and a course in chemistry are recommended.

**Major in Psychology Education:** A minimum of 30 semester hours is required, including PSY101, PSY205, PSY206, PSY302, PSY305, PSY350, PSY312, PSY410, PSY431, and PSY450. In addition, students must complete all of the requirements of the professional education program for secondary teaching (grades 5-12) as described in the “Education” section of the catalog.

**Minor in Psychology:** A minimum of 20 semesters hours is required, including PSY101, PSY205 or PSY206, PSY410, and 12 credits of psychology electives.

**Minor in Psychology Education:** A minimum of 21 semester hours is required including PSY101, PSY205 or PSY206, and PSY410. PSY312 and PSY431 are recommended. In addition, students must complete all of the requirements of the professional education program for secondary teaching (grades 5-12) as described in the “Education” section of the catalog.

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**Sociology and Anthropology**

*Ronald P. Cochran, Professor*

The goal of the sociology/anthropology major is to develop students’ sociocultural imaginations: to understand how, and to what extent, individuals’ behavior is influenced by others in their society and those who share their culture. The objective is to have students apply the many theories in this paradigm to various social phenomena, such as conformity, deviance, family, stratification, prehistory, evolution, social welfare, cultures other than their own, and their own culture.

**Major in Sociology and Anthropology:** A minimum of 30 semester hours is required, including SOC101 or SOC242, SOC240 or SOC241/BIO241, SOC324, SOC409, SOC477, and social science courses in one of the following related fields*:

- **Psychology Option:** (6 semester hours) one lower-division psychology course and one upper-division psychology course before SOC477. Recommended psychology courses: PSY101 and PSY306.
- **Economics Option:** (6 semester hours) one lower-division economics course and one upper-division economics course before SOC477. Recommended economics courses: ECO202 and ECO345.
- **Political Science Option:** (6 semester hours) one lower-division political science course and one upper-division political science course before SOC477. Recommended political science courses: POL101 and POL301.

*Notes: Courses in a second social science major meet the related field requirement. Courses taken in a minor field can only be used to fulfill both the related field requirement and the minor requirement if the student exceeds the hour requirement for the minor by 6 semester hours. For example, a student majoring in sociology and anthropology with a minor in psychology must take an extra 6 semester hours of psychology or fulfill the related fields requirement in economics or political science.*

**Minor in Sociology and Anthropology:** A minimum of 18 semester hours is required, with at least 6 at the upper-division level, to include SOC324 unless waived by the program advisor.

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**Theatre Arts**

*Linaya L. Leaf, Professor
Gerald B. Roe, Professor
Sarah Myers, Assistant Professor*

The College’s theatre program provides students with a liberal arts-based theatre education. Students explore their many faces through different characters they play using the creative process. The program encourages all students on campus to participate in theatre productions. It is hoped that students will develop a lifelong passion for this collaborative art form. By its very nature, theatre is multi-disciplinary.

The theatre program provides both majors and non-majors with experience as performers, technical contributors, and audience members. Whether building performance skills through the use of the imagination, the senses, emotion, movement, and voice or learning the
technical side of theater through set, lighting, and costume design, students use the dramatic text as the basis for analysis. Both the canon and emerging multi-cultural texts are considered.

Theatre arts offer one major discipline, with two areas of emphasis, and two minors. Students may focus on performance or technical production. Either emphasis provides intensive professional training while preparing students for graduate school in theatre. Students must select their emphasis by the end of the sophomore year. The theatre teaching minor, in conjunction with all other state requirements, qualifies the student to teach theatre in the secondary schools. The non-teaching minor emphasizes general knowledge of theatre production, literature, and history.

**Major in Theatre, Performance Emphasis:** A minimum of 38 semester hours is required, including THR101, THR131, THR132, THR232, either THR242 or THR253, THR250, THR433, THR434, THR471, and THR490. Also required are electives totaling 6 semester hours selected from the following: THR135, THR240, THR332, THR350, THR432, THR440.

**Major in Theatre, Technical Emphasis:** A minimum of 38 semester hours is required, including THR101; THR131; THR132; THR242 or THR253; two of the following three courses: THR310, THR315, or THR320; THR433; THR434; THR471; and THR490. Also required are electives totaling 6 semester hours selected from the following: THR135, THR137, THR231, or THR250.

**Minor in Theatre Arts:** A minimum of 18 semester hours is required, including THR101, THR131, THR132, THR135, THR137, THR433, THR434.

**Minor in Theatre Arts Education:** A minimum of 28 semester hours is required, including THR101, THR131, THR132, THR203, THR242 or THR434, THR250, THR253, THR420, and THR433. In addition, students must complete the professional education program for secondary teaching (grades 5-12) as described in the “Education” section of the catalog.
APPLIED MANAGEMENT SCIENCE
AMS courses are modular in format and are open to students enrolled in the Management program (degree completion).

AMS 201
Principles Of Macroeconomics
3 semester hours. SS.
This course is the study of aggregate economic problems, including an introduction to the economics of full employment, economic growth, and price stability.

AMS 202
Principles Of Microeconomics
3 semester hours. SS.
Students study individual economic problems. This course offers an introduction to production and exchange, pricing policies, and resource allocation under alternative competitive situations.

AMS 301
Small Group And Organizational Behavior
3 semester hours.
Students study small group behaviors and how those behaviors interact with organizational objectives.

AMS 312
Management Concepts
3 semester hours.
Students examine management functions, basic concepts, and principles of management, including group dynamics, motivation, planning, organizational problems, coordination control, job design, and power structures.

AMS 343
E-Commerce
3 semester hours.
This course presents a balanced view of the world of electronic commerce, including technology and business elements. The class first explores the infrastructure of electronic commerce followed by implementation technology, business strategies, and the legal, ethical, and tax issues surrounding doing business electronically.

AMS 355
Accounting And Financial Statement Analysis
3 semester hours.
Students learn how to analyze financial statements by developing an ability to critically evaluate corporate financial representations and related information. Financial Statement Analysis is the art and science of examining the components of a company’s monetary disclosures, called financial statements. Opinions can then be formed about a firm’s past, present, and future operations that will influence internal and/or external decision-making.

AMS 402
Small Business Finance
3 semester hours.
Financial management is often the difference between the survival and failure of a small business. Students will learn how to use financial tools to manage cash flow, measure profitability and liquidity, determine leverage, and value a business. The use of ratio analysis within the balance sheet and income statement are coupled with budgeting and break-even analysis to complete the picture.

AMS 405
Human Resource Management
3 semester hours.
This course provides an analysis of the policies and practices of employee recruitment, selection, training, development, and compensation.

AMS 407
Marketing
3 semester hours.
A study of the marketing process, including examination of consumer buying behavior, products and product development, distribution channels, pricing policies and promotion.

AMS 415
Managerial Accounting
3 semester hours.
Students examine how managers use accounting information to make sound business decisions. The course emphasizes the need for a “parallel information system” that enhances decision-making by providing managers with information not found in typical accounting reports. Cost behavior, performance analysis, capital investment analysis, and the theory and mechanics of budgeting are among topics examined.

AMS 420
Managerial Ethics
3 semester hours.
The course presents different perspectives on understanding the basic concepts and concerns of business ethics. Ideas on how to incorporate these concepts into the policies and decision-making processes of businesses will be introduced through a case study approach.
AMS 425
Operations Management
3 semester hours.
A study of various aspects of production, resource and operations management including quantitative analysis and decision making, production planning and scheduling, inventory control, material requirements planning, and quality control.

AMS 426
Strategic Planning
3 semester hours.
This course introduces various management planning models and techniques and applies them to business cases. The concept of strategic planning used in achieving organizational goals is stressed.

AMS 449
Investing
3 semester hours.
Students explore the financial institutions that serve our free market society. They will learn about common stocks and bonds and how to analyze those instruments. Students are exposed to contrary thinking and will be encouraged to think for themselves. All of these issues are interwoven with lessons about life and the pursuit of high ethical standards.

AMS 455
Research
3 semester hours.
Research provides information that facilitates decision-making. This research class follows the steps involved in the process of research. These steps include gathering, analyzing, and reporting information. Students use these steps in designing a research project.

AMS 483
Management Simulation
3 semester hours.
Students focus on business strategy, planning, competitor analysis, cross-functional integration, and team building through the use of a computer simulation drawn from real-world situations. Over several rounds, teammates see the impact of their decisions on profits and market position. Students use what has been learned in previous modules to learn the major forces that drive the marketplace. Along the way they learn about a company’s inner workings and how various functional areas integrate into a working whole.

ART

ART 101
Drawing I
Fall semester. 3 semester hours. FA.
This foundation course explores basic drawing techniques in a variety of dry and wet drawing media. This studio course offers the student an opportunity to learn about pictures as language and expressions using the vocabulary of the elements of art: line, value, shape, form, texture, perspective, and composition. Students will create, critique, and display original works of art.

ART 114
Gallery
Fall and Spring semesters. 1 semester hour.
This course is designed to provide the student with gallery experience. Responsibilities include preparing the gallery for all exhibits, providing and collecting entry forms, cataloguing, making and placing labels for all student show work, hanging the student show, organizing the artist’s reception and advertising for the student show, helping with the hanging/reception/advertising of all other exhibits including senior shows and those of guest artists, and working with art faculty.

ART 121
Design
Spring semester. 3 semester hours. FA.
This studio course closely examines both two-dimensional and three-dimensional design by studying the principles of design and the elements of art. Students will create, display, and formally present for criticism to the class academic exercises and works of art.

ART 170
History Of Architecture
On demand. 3 semester hours. FA.
This is a survey of the history of architecture. The course will look at periods of architecture and how they were affected by the politics, religion, economies, and ideas of their times. Each period will culminate in a detailed analysis of a building representative of that period.

ART 176
Architectural Graphic Communication
On demand. 3 semester hours. FA.
This course surveys basic graphic principles and a variety of techniques, media, and applications (both technical and artistic) to enhance visual communication skills in portraying the real, and equally important, the imagined architectural form.
ART 214
Gallery
Fall and Spring semesters. 1 semester hour.
This course is designed to provide the student with gallery experience. Responsibilities include preparing the gallery for all exhibits, providing and collecting entry forms, cataloguing, making and placing labels for all student show work, hanging the student show, organizing the artist’s reception and advertising for the student show, helping with the hanging/reception/advertising of all other exhibits including senior shows and those of guest artists, and working with art faculty.

ART/MUS 215
Creativity
Fall semester, alternate years. 3 semester hours. FA.
This course approaches creativity as a skill to develop, not as some magical gift bestowed on a few select people. The last three weeks of the course will be devoted to a large-scale project in the area chosen by the student at the time of registration. Two important elements of the course involve a specific style of journaling, and a weekly artist date. Through the activities in this course, students will bring a higher degree of creativity to their daily lives. This course may be taken either at the lower-division level or at the upper-division level, but not both.

ART 220
Art History Survey I
Fall semester. 3 semester hours. FA.
This is a general survey of art historical periods including the Prehistoric in Europe, the Near East, and the Americas; Ancient Egypt; the Bronze Age and Ancient Greece; the Etruscans; and the Romans. Study focuses on the materials, techniques, style, historical context, aesthetics, and criticism of this wide variety of art. Traditional art historical methods of slide lecture, discussion, written exams, and papers are de rigueur as well as exploration of relevant topics on the Internet and via the class website. Though sequential, ART220, ART221, and ART222 may be taken separately.

ART 221
Art History Survey II
Spring semester. 3 semester hours. FA.
This is a general survey of art historical periods including the Early Christian, Byzantine, Islamic, Early Medieval, Gothic, and Renaissance. Study focuses on the materials, techniques, style, historical context, aesthetics, and criticism of this wide variety of art. Traditional art historical methods of slide lecture, discussion, written exams, and papers are de rigueur as well as exploration of relevant topics on the Internet and via the class website. Though sequential, ART220, ART221, and ART222 may be taken separately.

ART 222
Art History Survey III
Fall semester. 3 semester hours. FA.
This is a general survey of art historical periods and movements during the seventeenth, eighteenth, nineteenth, twentieth, and twenty-first centuries. Study focuses on the materials, techniques, style, historical context, aesthetics, and criticism of this wide variety of art. Traditional art historical methods of slide lecture, discussion, written exams, and papers are de rigueur as well as exploration of relevant topics on the Internet and via the class website. Though sequential, ART220, ART221, and ART222 may be taken separately.

ART 231
Painting I
Spring semester. 3 semester hours. FA.
This studio course explores techniques of oil and acrylic paints as well as mixed media. The contemporary view as well as the traditional is examined. Students will create, critique, and display original works of art. Prerequisite: ART101 or permission of professor.

ART 232
Painting II
Fall semester. 3 semester hours. FA.
This course primarily explores the theories and techniques of traditional watercolor painting. However, non-traditional approaches to watercolor and other types of painting, e.g. mixed media, are often introduced. Students will create, critique, and display original works of art. Prerequisite: ART101 or permission of professor.

ART 243
Photography
On demand. 3 semester hours. FA.
This course explores techniques of basic black-and-white photography. The principles of design and the elements of art are explored. Students are encouraged to pursue this art form in the surrounding community and landscape.

ART 244
Calligraphy
On demand. 3 semester hours. FA.
The purpose of this course is to connect with scribes, past and present, to learn their skills and apply them today. Though immersed in art history, students of calligraphy spend most of the course studying, practicing, and laying out a variety of hands including Roman, Insular, National, Caroline, Gothic, Italian, Humanist, and post-Renaissance scripts. Traditional tool-making and usage include quill, reed, and bamboo pens and ink; other tools, media, and
techniques may include brushes, steel pens, paper, papyrus, vellum, watercolor, gouache, embossing, relief printing, resist, computer-generated layouts, and more. Projects range from quotes to cards to wine labels to small books. Students will create, critique, and display original works of art.

ART 245/SOC 244
Introduction To Flint Knapping
Summer semester. 3 semester hours. FA, SS.
Students manufacture a variety of stone tools to learn about the evolution of prehistoric technology. Obsidian, flint, and bottle glass are worked with stone, antler, bone, and wood to fashion arrowheads, spear points, knives, and scrapers. Normally offered May term. Non-refundable materials fee required. Prerequisite: permission of professor. Preference is given to majors and minors. This course may be taken either at the lower-division level or at the upper-division level, but not both.

ART 251
Clay
Fall semester and on demand. 3 semester hours. FA.
Students in this studio course create original works of art using hand-building techniques such as pinching, slab-building, coiling, and modeling (sculpting). Wheel-throwing is also introduced. Students are encouraged to explore the use of design elements in the clay medium. They are also expected to be able to identify and articulate qualities that characterize notable ceramic works by studying both modern and historic ceramic pieces. Students will create, critique, and display original works of art.

ART 252
Jewelry And Metalwork I
Spring semester. 3 semester hours. FA.
This course is an introduction to basic jewelry and metalworking processes and techniques, such as lost wax casting, raising, forging, fabrication, and lapidary work. Copper, brass, bronze, sterling silver, and semi-precious stones are commonly used; more expensive materials may be used if the student can afford them. Functional and non-functional objects may be made with an emphasis on craftsmanship and aesthetics. Designs from nature, art history, and contemporary culture are encouraged. Students will create, critique, and display original works of art. ART352 is a continuation of ART252.

ART 271
Design Of The Earth’s Landscape
On demand. 3 semester hours. FA.
This course is an overview of the influence of geography and culture on historical and contemporary human settlement patterns. It explores the interrelationships between climate, natural resources, cultural values, and technology in the evolution of a variety of land use patterns around the globe.

ART 275
Elements Of Architecture
On demand. 3 semester hours. FA.
This is a lecture/studio course concerned with the elemental “building blocks” of architecture as well as with basic two-dimensional architectural graphic expression.

ART 301
Drawing II
On demand. 3 semester hours. FA.
This is primarily a life drawing class. Working mainly from the human nude and from animals, the student is allowed to explore techniques and create drawings in dry and wet media. “Nature as teacher” is the academic approach in live model sessions; however, other drawing approaches, subject matter, and advanced techniques may be explored. Students will create, critique, and display original works of art. Prerequisite: ART101 or permission of professor.

ART 314
Gallery
Fall and Spring semesters. 1 semester hour.
This course is designed to provide the student with gallery experience. Responsibilities include preparing the gallery for all exhibits, providing and collecting entry forms, cataloguing, making and placing labels for all student show work, hanging the student show, organizing the artist’s reception and advertising for the student show, helping with the hanging/reception/advertising of all other exhibits including senior shows and those of guest artists, and working with art faculty.

ART/MUS 315
Creativity
Fall semester, alternate years. 3 semester hours. FA.
This course approaches creativity as a skill to develop, not as some magical gift bestowed on a few select people. The last three weeks of the course will be devoted to a large-scale project in the area chosen by the student at the time of registration. Two important elements of the course involve a specific style of journaling, and a weekly artist date. Through the activities in this course, students will bring a higher degree of creativity to their daily lives. This course may be taken either at the lower-division level or at the upper-division level, but not both.
ART 321
Topics In Art History I
On demand. 3 semester hours. FA.
Choosing from the prehistoric (as early as 30,000 BC) through the Gothic (as late as AD 1500), this course may explore such topics as Ancient Egypt, Bronze Age and Classical Greece, Imperial Rome, or Medieval Europe. Study focuses on art materials, techniques, style, pre-historical and historical context, aesthetics, and criticism. While traditional methods of studying art history are used (e.g. slide lectures, discussion, written exams, and papers), students are expected to authentically replicate an objet d'art from the studied historical periods as a major project. This course is also web-enhanced, with an interactive class website and required web research and project presentation.

ART 322
Topics In Art History II
On demand. 3 semester hours. FA.
The topic for this course is chosen from Western artistic traditions ranging from the Renaissance, Baroque, Rococo, the nineteenth, or the twentieth centuries. Study focuses on art materials, techniques, style, historical context, aesthetics, and criticism. While traditional methods of studying art history are used (e.g. slide lectures, discussion, written exams, and papers), students are expected to authentically replicate an objet d'art from the studied historical periods as a major project. This course is also web-enhanced, with an interactive class website and required web research and project presentation.

ART 323
Topics In Art History III
On demand. 3 semester hours. FA.
This is a study of the peoples and their art from the non-European traditions. Topics vary and may include Native American cultures such as the Anasazi, Mogollon, or Mimbres and/or the art of Africa or Asia, among others. Study focuses on art materials, techniques, style, pre-historical and historical context, aesthetics, and criticism. While traditional methods of studying art history are used (e.g. slide lectures, discussion, written exams, and papers), students are expected to authentically replicate an objet d'art from the studied historical periods as a major project. This course is also web-enhanced, with an interactive class website and required web research and project presentation.

ART 342
Printmaking
On demand. 3 semester hours. FA.
Students are introduced to basic relief printmaking techniques such as linoleum and wood cut and collography. Other processes include monoprint, intaglio, silkscreen, and/or computer-generated graphics. Students will create, critique, and display original works of art. Prerequisite: ART101 or permission of professor.

ART 343
Methods And Materials: Teaching Art, Grades K-8
On demand. 3 semester hours.
Following a discipline-based approach to art education and curriculum development, this course integrates art production, art history, criticism, and aesthetics. Students learn the elements of design and apply them using traditional and non-traditional techniques (e.g. computer-generated graphics), materials and approaches. They are also immersed in art history, studying significant works of art in their historical context. Formal methods of art criticism and assessment and theories of aesthetics are studied and applied to their own, classmates’ and art historical works. Additionally, students are apprized of opportunities in higher education and careers in art. Most importantly, students learn to apply these skills to their prospective elementary and middle school students in an age-appropriate and safe manner. A variety of means is utilized in accomplishing these goals, including traditional classroom and library activities, computer technology, teaching a lesson in a public school, gallery/museum visits, guest speakers, and reaching the larger world via web-based information. Corequisite: ART353, EDC420.

ART 345/SOC 344
Introduction To Flint Knapping II
Summer semester. 3 semester hours. FA, SS.
Students manufacture a variety of stone tools to learn about the evolution of prehistoric technology. Obsidian, flint, and bottle glass are worked with stone, antler, bone, and wood to fashion arrowheads, spear points, knives, and scrapers. Requirements for ART345 are the same as for ART245 with the addition of either 1) a 10-page research paper on prehistoric paleolithic tool manufacturing, or 2) the manufacture of punch struck blade (upper paleolithic) tools. Normally offered May term. Non-refundable materials fee required. Prerequisite: permission of professor. Preference is given to majors and minors. This course may be taken either at the lower-division level or at the upper-division level, but not both.
ART 350
Sculpture
Fall semester. 3 semester hours. FA.
Students will explore the third dimension by creating works in a variety of materials such as clay, plaster, wood, metal, found objects, and mixed media. Processes and techniques include modeling, carving, lost wax casting, and construction. Students will create, critique, and display original works of art. Prerequisite: ART121 or permission of professor.

ART 351
Clay II
Fall semester. 3 semester hours. FA.
This clay class offers the student an opportunity to expand ceramic skills according to individual interests. Student and instructor will develop a mutually agreeable plan of study at the beginning of the semester. Students will create, critique, and display original works of art. Usually ART351 is offered concurrently with ART251. Prerequisite: ART251 or permission of professor.

ART 352
Jewelry And Metalwork II
Spring semester. 3 semester hours. FA.
Students are allowed to pursue areas of individual interest by investigating advanced techniques and/or by expanding basic jewelry and metalworking skills. Student and instructor will develop a mutually agreeable plan of study at the beginning of the semester. Students will create, critique, and display original works of art. ART352 is a continuation of and is offered concurrently with ART252. Prerequisite: ART252.

ART 353
Methods And Materials: Teaching Art, Grades 5-12
On demand. 2 semester hours.
Following a discipline-based approach to art education and curriculum development, this course integrates art production, art history, criticism, and aesthetics. Students learn the elements of design and apply them by making art using traditional and non-traditional techniques (e.g. computer-generated graphics), materials and approaches. They also are immersed in art history, studying significant works of art in their historical context. Formal methods of art criticism and assessment and theories of aesthetics are studied and applied to their own, classmates’ and art historical works. Additionally, students are apprized of opportunities in higher education and careers in art. Most importantly, students learn to apply these skills to their prospective upper elementary, middle, and high school students in an age-appropriate and safe manner. A variety of means is utilized in accomplishing these goals including traditional classroom and library activities, computer technology, teaching a lesson in a public school, gallery/museum visits, guest speakers, and reaching the larger world via web-based information. Corequisite: ART343, EDC420.

ART 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. Contract is required. Prerequisites: junior or senior standing and permission of professor.

ART 490
Art Seminar
Fall semester, alternate years. 3 semester hours.
Primarily designed for art majors and art education majors and minors, this course explores what it means to be an art professional. Discussion, field trips (e.g. to museums, galleries, artists’ studios), art community service, and preparation of a resume, a portfolio, an artist’s statement, and a senior show are the focus of the course. Normally taught by both full-time art faculty, the art seminar is further enhanced by visits from the career counselor and art professionals. The course not only serves as an opportunity for self-assessment by each student, but also requires the assessment of fellow classmates, the art program, and, in the case of art education majors and minors, the application of age-appropriate assessment formats. Prerequisite: permission of professor.

ART 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
AVIATION

AVS 100
Introduction To Professional Aviation
Fall and Spring semesters. 1 semester hour.
Introduces students to the aviation curriculum and the liberal arts core curriculum as a foundation for personal growth and development. Investigates aviation career options with an emphasis on the necessary knowledge, skills, and attributes of an aviation professional. Introduces aviation safety and human factor issues. Learning activities include professional reading, writing, and oral presentations.

AVS 101
Private Pilot Certification
Fall and Spring semesters. 4 semester hours.
Prepares the student for the FAA private pilot knowledge examination. The student is introduced to the principles of aerodynamics, aircraft systems and performance, meteorology and aviation weather data, aviation physiology, navigation, flight planning, and aviation decision-making. Corequisite: AVS171.

AVS 150
Aviation Meteorology
Spring semester. 3 semester hours.
Provides a detailed knowledge of the environmental factors critical to safe flight operations. The course covers weather systems, upper-air characteristics, flight hazards, weather-related topics in flight safety, meteorological flight planning, use of weather information systems, and the reports and charts used for aviation weather reporting and forecasting.

AVS 170
Flight Orientation Lab
Fall and Spring semesters. 1 semester hour.
Provides the student approximately 8 hours of dual flight instruction designed to provide an understanding of the theory of flight and the factors basic to flight operations, including meteorology, air traffic control, and navigation. This lab is primarily designed for aviation management majors who do not wish to complete the private pilot certificate. Corequisite: AVS101.

AVS 171
Private Pilot Certification Lab I
Fall, Spring, and Summer semesters. 1 semester hour. EL.
Students complete the first two stages of the private pilot instruction syllabus using flight instruction providing dual and solo flight training. This course covers pre-flight preparation, aircraft operation procedures, proper aircraft flight control, air and ground safety, air traffic control procedures and communication, and VFR navigation. Corequisite: AVS101.

AVS 172
Private Pilot Certification Lab II
Fall, Spring, and Summer semesters. 1 semester hour. EL.
Flight instruction that completes final VFR cross-country, instrument interpretation, and flight maneuvers training in stage III of the flight instruction syllabus. Prepares the student for the FAA private pilot oral and flight examinations. The FAA private pilot certificate must be completed to fulfill course requirements. Prerequisite: AVS171.

AVS 200
Intercollegiate Flight Competition
Fall and Spring semesters. 1 semester hour.
Students train for and participate in intercollegiate flight competition as a member of the Rocky Mountain College Flight Team. Additional fee required during semesters in which the team travels to competition.

AVS 201
Professional Pilot - Instrument
Fall and Spring semesters. 4 semester hours.
Prepares the student for the FAA instrument rating knowledge examination. Provides an in-depth study of flight instruments, physiology of flight, aviation weather reports and forecasting, radio navigation, IFR departure, en route and arrival procedures, IFR flight planning, and emergency procedures. Students will also complete simulated flights using a Personal Computer Aviation Training Device (PCATD) to integrate and apply their knowledge of instrument flight procedures. Prerequisites: AVS101, AVS171, and AVS172; or permission of the director of aviation. Corequisite: AVS270.

AVS 202
Professional Pilot - Commercial
Fall and Spring semesters. 3 semester hours.
Prepares the student for the FAA commercial pilot knowledge examination. Covers meteorology, airspace, pilotage, aviation physiology, advanced aerodynamics, commercial flight maneuvers, aircraft stability and performance, flight in complex aircraft, flight management and emergency procedures, and regulations related to commercial flight operations. Prerequisites: AVS201, AVS270; or permission of the director of aviation. Corequisite: AVS272.
AVS 203
Introduction To Air Traffic Control
Fall semester. 3 semester hours.
Provides a detailed study of the science of air traffic control for professional pilots and aviation managers. Topics include the national airspace system, air traffic control, navigation aids, communications and operations procedures, airport traffic control, radar operations, and ATC facility management. Prerequisite: AVS101.

AVS/HST 231
Aviation History
Spring semester. 3 semester hours. HU.
This course outlines the evolution of aviation from early glider and balloon flights to modern jets and the space age. The course examines the multiple ways that technology advances and warfare have advanced aviation. Topics of study include specific flights, significant aviators, and particular aircraft that have improved general, commercial, and military aviation. The course discusses current developments and future trends in aviation.

AVS 270
Professional Pilot - Instrument Lab I
Fall, Spring, and Summer semesters. 1 semester hour. EL.
Flight instruction covering stages I and II of the instrument rating syllabus, which includes instrument departure, en route, and approach procedures. Prerequisites: AVS101 and AVS172 or Private Pilot Certificate. Corequisite: AVS201.

AVS 271
Professional Pilot - Instrument Lab II
Fall, Spring, and Summer semesters. 1 semester hour. EL.
The student is provided flight instruction covering stage III of instrument rating syllabus, which includes instrument departure, en route, and approach procedures. Preparations for the FAA instrument rating oral and flight examinations. FAA instrument rating must be completed to fulfill course requirements. Prerequisite: AVS270. Corequisite: AVS201.

AVS 272
Professional Pilot - Commercial Lab I
Fall, Spring, and Summer semesters. 1 semester hour. EL.
Flight instruction covering commercial navigation, cross-country flights, and night flying procedures completes stage IV of the flight syllabus. Prerequisites: AVS270 and AVS271. Corequisite: AVS202.

AVS 273
Professional Pilot - Commercial Lab II
Fall, Spring, and Summer semesters. 1 semester hour. EL.
Flight instruction covering commercial flight maneuvers and flight in complex aircraft completes stage V of the flight syllabus. Prerequisite: AVS272.

AVS 274
Professional Pilot - Commercial Lab III
Fall, Spring, and Summer semesters. 1 semester hour. EL.
Flight instruction providing a continuation of commercial flight maneuvers and complex aircraft flight procedures completes stage VI of the flight syllabus and prepares the student for the FAA commercial pilot oral and flight examinations. The FAA commercial pilot certificate must be completed to fulfill course requirements. Prerequisite: AVS273.

AVS 301
Certified Flight Instructor
Fall and Spring semesters. 3 semester hours.
A two-part course that prepares the student for the FAA “Fundamentals of Instruction” and “Flight Instructor Knowledge Examinations.” Part one covers fundamentals of teaching and learning, including effective teaching methods, aerodynamics analysis, instructional syllabus development, and flight instructor responsibilities. Part two addresses the analysis of flight maneuvers involved in the private, commercial, and flight instructor certificates. Prerequisites: AVS201, AVS202, and AVS274, or permission of the director of aviation.

AVS 306
Multi-Engine Rating
Fall and Spring semesters. 1 semester hour.
Covers the operation of multi-engine airplanes including performance, normal and emergency operating procedures, electrical and hydraulic systems, and other installed equipment commonly found on multi-engine airplanes. Prerequisite: AVS202, AVS273, or permission of the director of aviation. Corequisite: AVS376.

AVS 307
FBO And General Aviation Operations
Spring semester. 3 semester hours.
This course examines the factors involved in running a successful fixed base operation (FBO) and operating a general aviation business. The course includes the certification process, management operations, and marketing strategies. The course also studies the evolving role of FBOs, from their pilot-oriented roots to their business-oriented future.
AVS 308  
**Aviation Safety**  
Spring semester. 3 semester hours.  
This course provides a forum for understanding the safe operation of aircraft. The focus is on human factors in the aviation safety environment. Topics of study include aircraft technology, human physiology, psychology, air traffic control, navigational facilities, weather, accident investigation, and crew resource management.

AVS 310  
**Airport Planning And Administration**  
Fall semester, alternate years. 3 semester hours.  
This course provides a forum for understanding the elements of proper airport planning and the importance of achieving a successful airport operation. The course studies the duties and responsibilities of an airport manager at a large airport, as well as departments such as crash/fire/rescue, facilities, administration, and maintenance. The course also covers the criteria for blending the airport into federal and state plans and for achieving FAA approval.

AVS 312  
**Aviation Law**  
Fall semester. 3 semester hours.  
This course provides a forum for understanding the statutes, regulations, and case law governing aviation. Topics of study include administrative law, aircraft accidents, airport liability, aircraft transactions, and airline labor law.

AVS 317  
**Aircraft Power Plants**  
Fall semester. 3 semester hours.  
An in-depth study of reciprocating, turbine, and turbo-prop engines and propeller systems and the engine accessory equipment used on modern aircraft: Prerequisite: AVS202 or permission of professor.

AVS 318  
**Advanced Aircraft Systems**  
Spring semester. 3 semester hours.  
An in-depth study of advanced aircraft systems including fuel, hydraulic, electrical, engine accessory, and auxiliary systems. Prerequisite: AVS317 or permission of professor.

AVS 325  
**Advanced Flight Systems**  
Fall semester. 3 semester hours.  
Introduction to modern cockpit technology used in air transport aircraft. The course will address the function and operation of “glass cockpit” aircraft operating equipment such as satellite-based navigation systems, auto-pilots, flight management systems, electronic flight information systems, ground proximity warning systems, traffic collision avoidance systems, and flight data and cockpit voice recording systems. Prerequisites: AVS201, AVS270 and AVS271.

AVS 361  
**Certified Flight Instructor Lab (FAA Part 141)**  
Fall, Spring, and Summer semesters. 2 semester hours. EL.  
Flight instruction under FAR Part 141 prepares the student for the FAA flight instructor oral and flight examinations. The course includes dual flights covering all maneuvers necessary to instruct students for the private and commercial pilot certificates. The FAA flight instructor certificate must be completed to fulfill course requirements. Prerequisite: AVS274. Corequisite: AVS301.

AVS 362  
**Instrument Flight Instructor (FAA Part 141)**  
Fall, Spring, and Summer semesters. 3 semester hours.  
Ground and flight instruction under FAR Part 141 prepares the student for the FAA instrument flight instructor written, oral, and flight examinations. The FAA instrument instructor rating must be completed to fulfill course requirements. Prerequisite: AVS361 or AVS371.

AVS 363  
**Multi-Engine Flight Instructor (FAA Part 141)**  
Fall, Spring, and Summer semesters. 3 semester hours.  
Ground and flight instruction under FAR Part 141 prepares the student for the FAA multi-engine flight instructor rating oral and flight examinations. The FAA multi-engine instructor rating must be completed to fulfill course requirements. Prerequisite: AVS361 or AVS371.

AVS 371  
**Certified Flight Instructor Lab (FAA Part 61)**  
Fall, Spring, and Summer semesters. 1 semester hour. EL.  
Flight instruction under FAR Part 61 prepares the student for the FAA flight instructor oral and flight examinations. The course includes dual flights covering all maneuvers necessary to instruct students for the private and commercial pilot certificates. The FAA flight instructor certificate must be completed to fulfill course requirements. Prerequisite: AVS274. Corequisite: AVS301.

AVS 372  
**Instrument Flight Instructor (FAA Part 61)**  
Fall, Spring, and Summer semesters. 2 semester hours.  
Ground and flight instruction under FAR Part 61 prepares the student for the FAA instrument flight instructor written, oral, and flight examinations. The FAA instrument instructor rating must be completed to fulfill course requirements. Prerequisite: AVS361 or AVS371.
AVS 373
Multi-Engine Flight Instructor (FAA Part 61)
Fall, Spring, and Summer semesters. 2 semester hours. Ground and flight instruction under FAR Part 61 prepares the student for the FAA multi-engine flight instructor rating oral and flight examinations. The FAA multi-engine instructor rating must be completed to fulfill course requirements. Prerequisite: AVS361 or AVS371.

AVS 376
Multi-Engine Rating Lab
Fall, Spring, and Summer semesters. 1 semester hour. EL. Flight instruction prepares students for the FAA multi-engine rating oral and flight examinations. Areas covered include emergency procedures, single engine operations, and control of the aircraft by sole reference to flight instruments. The FAA multi-engine rating must be completed to fulfill course requirements. Prerequisite: AVS274. Corequisite: AVS306.

AVS 400
Aviation Professional Development
Fall and Spring semesters. 1 semester hour. This culminating course focuses on professional issues and integrates all facets of the student’s college educational experience. Students explore issues in aviation including professional standards, ethics, and career advancement. Guest lectures will provide perspectives from leaders in the aviation industry. Prepares the graduate for transition to a career in aviation and develops job placement skills. Prerequisite: senior standing.

AVS 404
Crew Resource Management With Lab
Fall and Spring semesters. 2 semester hours. Provides advanced ground and simulator instruction with an emphasis on the application of aviation and human factors in crew resource management skills. The lab includes Line-Oriented Flight Training (LOFT) sessions in a flight-training device to develop crew resource management skills in a variety of realistic situations encountered by flight crews. Prerequisite: AVS376 or permission of the director of aviation.

AVS 405
Air Transportation And Flight Operations
Fall semester. 3 semester hours. Provides a broad understanding of the air transportation industry. The scope of the course includes knowledge of state and federal regulations and the basis for their establishment. Areas of concentration include airline operations, maintenance, marketing, aircraft performance, and economic factors affecting the aviation industry. Prerequisites: junior or senior standing.

AVS 410
Advanced Aerodynamics And Aircraft Performance
Spring semester, alternating years. 3 semester hours. Covers advanced theories of flight and performance factors including airfoil shape; lift and drag; velocity; power and thrust; stability and control; advanced principles of performance, capabilities, and limitations; performance design criteria; and load factors. Prerequisites: AVS202 and MAT110, however, AVS274 and MAT175 are preferred.

AVS 419
Air Carrier Operations
Fall and Spring semesters. 3 semester hours. A study of transport category aircraft systems; flight planning; airport analysis; advanced weather analysis; and economic and safety issues related to transport category aircraft operations, including HMR 175 and FAR Part 135 and 121 regulatory requirements. The course provides the knowledge required to qualify for the FAA airline transport pilot and flight engineer (basic) knowledge examinations. Prerequisites: AVS202, AVS405.

AVS 443
Airline Dispatcher Certification
Fall and Spring semesters. 2 semester hours. A culminating study of airline operations prepares the student for the FAA dispatcher certification knowledge and practical examinations. The course includes 40 hours of practical experience and observation of airline dispatch operations. Students must be 21 years of age by the end of the semester that the course is taken to meet FAA written exam requirements. Prerequisites: AVS101, AVS150, AVS201, AVS202, AVS203, AVS317, AVS318. Corequisite: AVS419.

AVS 450
Internship
On demand. 1-15 semester hours. EL. This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

AVS 499
Independent Study
On demand. 1-3 semester hours. This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
BIOLOGY

BIO 102
Introduction To Biology
Summer semester. 4 semester hours. NSL.
This course is a broad survey of biology approaching different levels of biological organization from the perspective of the organism in the environment. Specific topics include genetics, evolution, ecology, metabolism, and the cell. The laboratory emphasizes the process of scientific investigation, including the design, conduct, analysis, and presentation of biological experiments. This course is appropriate for non-biology majors and does not count towards a major or minor in biology.

BIO 111
General Biology I
Fall semester. 4 semester hours. NSL.
An introductory survey emphasizes the cell, cellular respiration, photosynthesis, genetics, and molecular biology. The weekly laboratories teach basic laboratory skills, safety, experimental design, and the application of statistics. Three hours of lecture and one two-hour laboratory session per week.

BIO 112
General Biology II
Spring semester. 4 semester hours. NSL.
An introductory course emphasizes organization within the individual, population, and community levels of biology. Topics include basic genetics, population genetics, evolution, diversity of organisms, and ecology. The laboratory emphasizes the process of scientific investigation, including the design, analysis, and presentation of biological experiments. Field trips outside of regular class time may be required. Three hours of lecture and one two-hour laboratory session per week.

BIO 203
Genetics
Fall semester. 3 semester hours. NS.
The course provides a detailed overview of the mechanisms of heredity. Topics include Mendelian, quantitative, and molecular genetics. Three hours of lecture per week. Prerequisites: BIO111, BIO112, and CHM101.

BIO 207
Research Techniques In Ecology
Spring semester. 2 semester hours.
A field and laboratory course covering basic field techniques. Topics include experimental design, data analysis, surveys, trapping and marking, telemetry, population estimation, survivorship, and foraging. Two hours per week of laboratory and lecture. Prerequisites: BIO112 and MAT110 or above.

BIO 240
Biology Of HIV/AIDS And The Immune System
Spring semester. 3 semester hours. NS.
This course explores HIV from its mechanism of action to its contribution to the opportunistic infections of AIDS and the scientific rationale for various therapies. Guest speakers link biological concepts to the human condition.

BIO/SOC 241
Biological Anthropology
Spring semester. 3 semester hours. NS, SS.
History of the theory of evolution, including the modern synthetic theory of evolution, population genetics, hominoid evolution from the Miocene hominids to Homo sapiens, primate ethnology, and sociobiology.

BIO 250
Microbiology
Spring semester. 4 semester hours. NSL.
This course focuses on the biology of microorganisms including bacteria, viruses, protists, and fungi, mostly focusing on bacteria. Major topics include cell structure, metabolism, genetics, and diversity. In the laboratory, students learn techniques for the isolation, detection, identification, and characterization of microorganisms within various types of samples. Prerequisites: BIO111 and CHM101.

BIO 252
Animal Physiology
Spring semester. 3 semester hours. NS.
Designed for students pursuing studies in ecology, biodiversity, and environmental science. This class introduces students to the basic concepts of animal regulation. Feedback and homeostasis are foundational concepts in biology. An introductory biology and introductory chemistry class are highly recommended.

BIO/GEO 301
Paleontology
Fall semester. 4 semester hours. NSL.
This course explores the morphology, classification, paleoecology, biogeography and biostratigraphy of important fossil groups. Fossil collecting trips. Three hours of lecture and one two-hour laboratory per week. Prerequisites: GEO102 or BIO112 and permission of professor.
BIO 305  
**General Vertebrate Zoology**  
Fall semester, alternate years. 4 semester hours. NSL.  
This course provides a detailed overview of the species diversity, natural history, and evolution of vertebrates. These concepts are highlighted through comparisons within and between vertebrate groups. Special emphasis is placed on evolutionary relationships to track key innovations in morphology, physiology, and ecology that have contributed to vertebrate diversification. Three hours of lecture and one two-hour laboratory session per week. Prerequisite: BIO306.

BIO 306  
**Evolution**  
Spring semester. 3 semester hours. NS.  
A broad but detailed discussion of the genetic, ontogenetic, and morphologic changes inherent in populations. Topics include population genetics, molecular evolution, natural selection, genetic drift, gene flow, speciation, phylogenetics, and coevolution. Three hours of lecture per week. Prerequisites: BIO203 and MAT110 or above.

BIO 311  
**Botany**  
Spring semester. 4 semester hours. NSL.  
This course provides a detailed exploration of plant anatomy and physiology. Microscope study allows for detailed observation of roots, stems and leaves and their component tissues. Examination of flowers, fruits, and seeds provides the details of pollination, fertilization, dispersal and germination. During the laboratory, students explore topics such as plant physiological responses to hormones and nutrients, characteristics and mechanisms of genetic inheritance, and ecological aspects of plant competition. The course emphasizes the relationship between plant form and function. Prerequisites: BIO111, BIO112, and CHM101.

BIO 315  
**Ecology**  
Fall semester. 4 semester hours. NSL.  
Students are provided with an overview of the interactions among biotic and abiotic environments. Topics include climate and vegetation, resource acquisition and allocation, demography, population growth and regulation, sociality, competition, niche theory, predation, and community and ecosystem ecology. Three hours of lecture and one two-hour laboratory session per week. Prerequisites: BIO306 and MAT110 or above.

BIO 317  
**Ornithology**  
On demand. 4 semester hours. NSL.  
A lecture and field/laboratory course detailing anatomy and physiology, ecology, evolution, and identification of birds. Topics include morphology, flight, foraging, migration, mating systems, and bird conservation. Three hours of lecture and one two-hour laboratory session per week. Prerequisite: BIO112.

BIO 321  
**Human Anatomy And Physiology I**  
Fall semester. 4 semester hours. NSL.  
A course requiring students to incorporate concepts from underclass science courses to understand the interface between human structure and function and the regulatory mechanisms in play. Topics include tissue types as well as skeletal, muscular, nervous, respiratory, and reproductive anatomy and physiology. Three hours of lecture and one two-hour laboratory session per week. Human cadavers are used in the laboratory. Prerequisites: BIO111 and CHM101.

BIO 322  
**Human Anatomy And Physiology II**  
Spring semester. 4 semester hours. NSL.  
In this continuation of BIO321, topics include digestive, cardiovascular, renal, urinary acid-base balance, endocrine, and immune system anatomy and physiology. Three hours of lecture and one two-hour laboratory session per week. Human cadavers are used in the laboratory. Prerequisite: BIO321.

BIO 347  
**Animal Behavior**  
Fall semester, alternate years. 4 semester hours. NSL.  
This course provides a broad overview of the development, expression, and control of behavior. This course provides a foundation for understanding animal ecology, revealing evolutionary relationships, and managing fish and wildlife populations. Topics include communication, predation, foraging, mating, parental care, and sociality. Three hours of lecture and one two-hour laboratory session per week. Prerequisite: BIO306.

BIO 410  
**Conservation Biology**  
Spring semester, alternate years. 2 semester hours.  
Students experience a multi-disciplinary approach to conservation encompassing genetics to ethics. Discussions emphasize biological diversity, extinction probability theory, reserve design, management, and reintroduction strategies. Written and oral presentations are required. Prerequisite: BIO315.
BIO 421
Advanced Physiology
On demand. 3 semester hours. NS.
Students receive an in-depth look at physiological systems. Membrane potentials are a key topic. Topics vary across the years and have included nerve, muscle, kidney, respiration, cardiovascular, and endocrine physiology. Reading primary sources is an essential part of the class. Prerequisites: BIO322 and CHM301.

BIO 426
Molecular Biology And Biotechnology
Spring semester. 4 semester hours. NSL.
Students learn the basic tools used in modern biotechnology including techniques involved in DNA manipulation, cloning, molecular diagnostics, and sequence information analysis. This course includes an extensive hands-on laboratory-based introduction to basic molecular biology techniques. Students learn how these techniques are used in many exciting fields of research such as gene therapy, genomics, and proteomics. The ethical implications of selected topics are discussed. Three hours of lecture and one three-hour laboratory session per week. Significant time working independently in the laboratory is required. Prerequisites: BIO203 and CHM301.

BIO 450
Internship
On demand. 1-15 semester hours. EL.
An internship is arranged between a member of the discipline’s faculty and the student. The internship satisfies general education requirements but will not count as part of the minimum number of required credits in the major. Contract required. If an internship is two or more credits, the student will typically be required to write a paper. The contract will specify the minimum length of the paper and the required scholarly sources. Prerequisite: junior or senior standing and permission of professor.

BIO/CHM 452
Biochemistry I
Fall semester. 5 semester hours. NSL.
Biochemistry is the study of the molecules and chemical reactions essential to life. After an introduction to the chemistry and structure of carbohydrates, lipids, and proteins, discussions of enzyme structure and kinetics set the stage for a detailed exploration of metabolism and its regulation. The laboratory component of this course involves a semester-long integrated project that requires independent student work. Three lecture hours plus one laboratory lecture hour per week. Significant time working independently in the laboratory is required. Prerequisites: CHM301 and BIO111.

BIO/CHM 460
Biochemistry II
Spring semester, alternate years. 3 semester hours. NSL.
An introduction to the chemistry and structure of nucleotides and nucleic acids is followed by a detailed study of DNA replication and repair, RNA transcription and processing, protein synthesis, and the regulation of these processes. Bioethics, an important and interesting topic, is covered as an extension to the scientific content. This course covers topics in more depth and with a different emphasis than genetics. Prerequisites: CHM301 and either BIO/CHM452 or BIO203.

BIO 483
Dissection
Summer semester. 3 semester hours. NSL.
Students begin to learn how to dissect a human cadaver. Each student chooses or is assigned to a region. Prerequisites: BIO322 and permission of professor.

BIO 490
Seminar
Spring semester. 1 semester hour.
Selected topics in biology are explored.

BIO 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
BUSINESS

BSA 101  
Introduction To Business  
Fall and Spring semesters. 3 semester hours.  
A beginning business course designed to introduce students to the areas of business study: historical foundations of America’s free enterprise system, ethics and social responsibility in the business setting, entrepreneurship, the legal structures of business, marketing, and general management.

BSA 201  
Principles Of Accounting I  
Fall and Spring semesters. 3 semester hours.  
A course designed to develop an understanding of the uses and limitations of accounting for economic measurement in decision-making. This course includes basic transactions, adjusting entries, preparation of worksheets and financial statements, receivables, inventory, fixed assets, and payroll.

BSA 202  
Principles Of Accounting II  
Fall and Spring semesters. 3 semester hours.  
A continuation of BSA201, which includes long-term liabilities, partnerships, corporate accounting, statement of cash flow, basic financial statement analysis, and the use of accounting data in decision-making. Prerequisite: BSA201.

BSA 209  
Basic Statistical Methods  
Fall semester. 3 semester hours. MA2  
Students are introduced to the general methods of presentation, interpretation, and analysis of statistical data. Testing hypotheses by student, normal, and chi-squared distributions, correlation and regression analysis, and analysis of variance. Particular reference is made to the application of statistical methods to the behavioral sciences.

BSA 291  
Field Practicum  
On demand. 1-3 semester hours.  
This course provides practical experience in an organization for students interested in exploring career opportunities. The course does not satisfy the experiential learning requirement, nor does it count toward the major. Prerequisite: permission of professor.

BSA 311  
Principles Of Finance  
Fall semester. 3 semester hours.  
Students are introduced to the principles of business finance. Topics covered include financial analysis and planning, working capital management, the time value of money, and capital budgeting. Prerequisites: ECO201, ECO202, BSA201, and BSA202.

BSA 313  
Students In Free Enterprise  
Fall and Spring semesters. 3 semester hours.  
Students will develop skills in leadership, communication, and teamwork through learning and practicing the principles of free enterprise. Students select, plan, and implement real-world projects and compete annually at the regional SIFE competition. This course can be taken a maximum of three times, but only 3 credits may count toward the major.

BSA 315  
Principles Of International Business  
Spring semester, alternate years. 3 semester hours.  
Introduction to the principles of international business with an emphasis on the influence of culture, rules and regulations, language, use of modern technology in the management of international firms, international finance, and monetary problems. Case studies show how major corporations have been organized in foreign markets. The roles of the IMF/World Bank, WTO, and other international agencies are discussed. Problems relating to globalization are stressed. Class participation and research of important roles and problems facing international corporations in the world’s markets are an important part of this class. Prerequisites: BSA201, BSA202, ECO201, ECO202; and junior standing.

BSA 318  
Entrepreneurship  
Spring semester, alternate years. 3 semester hours.  
Students will learn the characteristics of successful entrepreneurs, how to seek and evaluate opportunities for new ventures, how to prepare a complete business plan, and how to plan strategies and gather resources to create business opportunities.

BSA 320  
Management Information Systems  
Spring semester, alternate years. 3 semester hours.  
Students study information technology and its relationship to the business world. Designed to provide business students with general insights into information technology beyond the introductory level.
BSA 321  
**Principles Of Management**  
Fall and Spring semesters. 3 semester hours.  
Students examine the management functions and basic concepts and principles of management, including planning, organization, coordination, control, job design, and human resource management. Topics in human resource management include recruitment, selection, administration of personnel policies, and dismissals. Prerequisite: junior or senior standing.

BSA 324  
**Taxation For Managers**  
Spring semester. 3 semester hours.  
This course provides an analysis of the effects of tax law upon business transactions and related decision-making. Emphasis is placed on tax planning and tax minimization strategies. Prerequisite: BSA202.

BSA 331  
**Business Law**  
Fall semester, alternate years. 3 semester hours.  
A course that explores the legal principles relating to business transactions: contracts, sales, commercial paper, intellectual property, and e-commerce. A study of the legal environment of business is emphasized.

BSA 343  
**Principles Of Marketing**  
Fall and Spring semesters. 3 semester hours.  
This course studies the marketing process from product development through consumer purchase. Includes examination of consumer buying behavior, marketing channels, physical distribution, pricing policies and promotion along with their role in the marketing process. Prerequisite: junior or senior standing.

BSA 345  
**Principles Of Advertising**  
Spring semester, alternate years. 3 semester hours.  
This course provides an in-depth look at consumers as purchasers. Emphasis is on media use in the marketing and advertising effort. Study of print and broadcast media's advantages, disadvantages, special uses, creative techniques, and evaluation of effectiveness.

BSA 347  
**Principles Of Investing**  
Fall and Spring semesters. 3 semester hours.  
This course explores those financial institutions that serve our free market society. Along the way, students will learn about common stocks and bonds and how to analyze those instruments. Students will be exposed to “contrary thinking” and will be encouraged to think for themselves. All of these issues will be interwoven with logical lessons about life and the pursuit of high ethical standards.

BSA 351  
**Financial Reporting I**  
Fall semester. 3 semester hours.  
A course which covers proper income statement and balance sheet presentation in accordance with current professional pronouncements. Other topics included are current value concepts, inventory, cash and receivables, plant assets, and intangible assets. Prerequisite: BSA202.

BSA 352  
**Financial Reporting II**  
Spring semester. 3 semester hours.  
This course, a continuation of BSA351, considers proper accounting for current and long-term liabilities, investments, pensions, and leases. Various aspects of stockholders' equity and the analysis of financial statements are also included. Prerequisite: BSA351.

BSA 361  
**Retailing**  
Spring semester, alternate years. 3 semester hours.  
This course focuses on the study of retail institutions, basic principles of retail merchandising, buying and selling products, the importance of store location and layout, and the principles of store and personnel management. Prerequisite: junior or senior standing.

BSA 371  
**Managerial Accounting**  
Fall or Spring semester. 3 semester hours.  
Students examine how managers use accounting information and how that information should be gathered and provided. Topics include the measurement and use of cost information, cost control, budgeting, performance appraisal, and decision-making using accounting information.

BSA 412  
**Business Ethics**  
Fall semester. 3 semester hours.  
A study of the ethical problems that evolve in the modern business world, including a brief history of ethics and the practical ethical problems associated with running a business. Knowledge of ethical concepts as they apply to business management is explored through case studies and student class presentations. Emphasis is on the role of management as it affects stockholders, employees,
customers, and competitors. Issues such as product safety, plant closures, advertising, doing business in other countries, and the overall role of business and society are discussed. Prerequisite: junior or senior standing or permission of professor.

BSA 421
Business Policy
Spring semester, alternate years. 3 semester hours.
This course provides a capstone experience for the economics/business major. Topics will vary from year to year depending on the instructor’s interests, the needs of the students, and topicality. Prerequisite: senior standing or the permission of professor.

BSA 422
Production And Operations Management
Spring semester. 3 semester hours.
An introduction to various aspects of production, resource, and operations management, which focuses on production methodologies, scheduling, inventory control, quality control, and project management. Performance evaluation and resource planning are also emphasized. Prerequisites: BSA202, ECO202.

BSA 425
Small Business Operations
On demand. 3 semester hours.
This course focuses on how owners and managers grow companies in a professional manner while maintaining the entrepreneurial spirit. Students draw from varied disciplines to create and understand strategies for building and growing a successful venture. Prerequisite: junior or senior standing.

BSA 450
Internship
On demand. 1-15 semester hours. EL.
Guided work experience and study of a professional nature in an established business, government agency, or other institution. Contract is required. A minimum of 3 semester hours is required, but no more than 3 semester hours will count toward the major. Prerequisites: junior or senior standing and consent of the business faculty.

BSA 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.

BSA 505
Cost Accounting
Spring semester, alternate years. 3 semester hours.
This course introduces the primary principle of cost management – costs do not just happen; they are the results of management decisions. Topics of study include cost concepts and applications, costing methods, the value chain, cost-profit-volume analysis, best cost management practices and other techniques to aid management in planning and controlling business activities. Prerequisite: BSA352.

BSA 507
Taxation Of Individuals
Fall semester, alternate years. 3 semester hours.
A study of federal income tax law as it applies to individual taxpayers, including sole-proprietorship business entities. The course also includes an introduction to the tax research process. Cases will be used to apply the tax research process. Prerequisite: BSA352.

BSA 521
Advanced Financial Management
Spring semester, alternate years. 3 semester hours.
An advanced study of financial management issues as they pertain to public and private corporations. Topics include capital budgeting, cost of capital, capital structure, financing strategy, dividend policy and business valuation. Prerequisite: BSA352.

BSA 522
Accounting Information Systems
Spring semester, alternate years. 3 semester hours.
Students explore the elements of both manual and computerized accounting information systems. Topics include system development, internal control, and the role of database and network technology in accounting information systems. Prerequisite: BSA352.

BSA 553
Financial Reporting III
Fall semester, alternate years. 3 semester hours.
Students examine advanced topics in the financial reporting process including leases, post-retirement benefits, deferred taxes, revenue recognition, and investments. The FASB standard setting process will also be discussed, and accounting research processes will be introduced. Prerequisite: BSA352.
BSA 608  
**Taxation Of Partnerships, Corporations, Estates And Trusts**  
Spring semester, alternate years. 3 semester hours.  
A study of Federal Income Tax law as it applies to partnerships, corporations, estates and trusts. Further application of the tax research process through case analysis is also addressed. Prerequisite: BSA352.

BSA 653  
**Financial Reporting IV**  
Spring semester, alternate years. 3 semester hours.  
This course introduces the theory and practice relative to business combinations, mergers, consolidations, and acquisitions. Other topics include partnerships, foreign operations, financial reporting and the Securities and Exchange Commission, segment and interim reporting, legal reorganizations and liquidations, estates and trusts, and governmental and not-for-profit accounting. Prerequisite: BSA352.

BSA 672  
**Auditing**  
Fall semester, alternate years. 3 semester hours.  
This course addresses the many changes implemented in the corporate sector and the auditing profession since the passage of the Sarbannes-Oxley Act and the implementation of the Public Company Accounting oversight Board (PCAOB). Areas of study include professional ethics, auditor’s legal liability, the auditing environment, internal controls, working papers, the auditor’s report, and the accounting profession’s credibility crisis. Prerequisite: BSA352.

BSA 673  
**Not-For-Profit Accounting**  
Fall semester, alternate years. 3 semester hours.  
This course provides the fundamental knowledge necessary to learn about the operation of governments, universities, hospitals, and other nonprofits. The specific accounting, auditing, and financial reporting practices and standards used by these entities will be emphasized. Prerequisite: BSA352.
CHEMISTRY

CHM 100
Chemistry Of Everyday Life
On demand. 4 semester hours. NSL.
An introductory course for students interested in learning about the major role that chemistry plays in our modern society and in our daily lives. Emphasis will be on how chemical principles relate to topics such as diet and nutrition, food additives, pharmaceutical compounds, household chemicals, natural and synthetic fibers, pesticides, batteries, and alternative energy sources. This course is a lab science elective for non-science majors but does not count as credit towards a chemistry major or minor. A previous background in science or college-level mathematics is not required for enrollment. Three hours of lecture and one two-hour laboratory session per week.

CHM 101
General Chemistry I
Fall semester. 4 semester hours. NSL.
Students are introduced to the science of chemistry. The concepts of the atom and energy are used to describe matter and its changes. Laboratory experiments illustrate course content and quantitative relationships. Three hours of lecture, one two-hour laboratory session, and one hour of recitation per week. Prerequisite: MAT100 or higher mathematics course or placement into MAT110 or higher mathematics course.

CHM 102
General Chemistry II
Spring semester. 4 semester hours. NSL.
This course explores the further development of the chemical concepts that are at the foundation of biological, inorganic, organic, analytical, and physical chemistry. Topics include thermodynamics, kinetics, and equilibrium. Three hours of lecture and one two-hour laboratory session per week. Prerequisite: CHM101.

CHM 201
Quantitative Analysis
Fall semester, alternate years. 4 semester hours. NSL.
Students examine the methods of quantitative analysis. Emphasis is placed on the exploitation of chemical equilibrium, and the use of gravimetric, volumetric, and electrochemical methods. Precision and accuracy are emphasized in the laboratory. Three hours of lecture and one three-hour laboratory session per week. Prerequisite: CHM102.

CHM 215
Chemistry Of The Environment
On demand. 4 semester hours. NSL.
The fundamentals of chemistry are addressed in the context of current environmental issues. Key concepts of organic, analytical, and biochemistry are introduced in relation to pollution, water quality, and air quality. Global cycling of nutrients, physical chemistry, thermodynamics, and bonding are introduced while discussing climate change, global energy issues, and alternative fuel sources. In the laboratory, students apply analytical chemistry techniques to examine local environmental quality. Three hours of lecture and one three-hour laboratory session per week. This course does not fulfill the elective requirements for the chemistry major. Prerequisite: CHM101.

CHM 300
Organic Chemistry I
Fall semester. 4 semester hours. NSL.
An introduction to the chemistry of carbon-containing compounds, concentrating on the structures, properties, and reactions of some of the important families of organic compounds. Considerable emphasis is placed on reaction mechanisms and stereochemistry. The laboratory experiments introduce techniques, preparation of compounds with biological and industrial importance, and instrumental methods of analysis, including several types of chromatography and spectroscopy, such as NMR spectroscopy. Three hours of lecture and one three-hour laboratory session per week. Prerequisite: CHM102.

CHM 301
Organic Chemistry II
Spring semester. 4 semester hours. NSL.
This course, a continuation of CHM 300, concentrates on the chemistry of additional important families of organic compounds, emphasizing reaction mechanisms, synthesis, stereochemistry, and biological molecules. The laboratory experiments include the synthesis and analysis of compounds with biological and industrial importance, qualitative analysis, and advanced NMR techniques. Three hours of lecture and one three-hour laboratory session per week. Prerequisite: CHM300.

CHM 401
Physical Chemistry I
Fall semester, alternate years. 4 semester hours. NSL.
Students analyze of the properties of gases, liquids and solids from thermodynamic and kinetic perspectives. Three hours of lecture and one three-hour laboratory session per week. Prerequisites: CHM102, MAT176, and PHS202.
CHM 402  
**Physical Chemistry II**  
Spring semester, alternate years. 4 semester hours. NSL.  
Students analyze the properties of gases, liquids and solids from quantum mechanical and statistical mechanical perspectives. Three hours of lecture and one three-hour laboratory session per week. Prerequisite: CHM401.

CHM 411  
**Instrumental Analysis**  
Spring semester, alternate years. 4 semester hours. NSL.  
This course emphasizes experimental design and the appropriate use of instrumentation to identify and quantify the components of a sample. Samples for analyses are chosen with relevance to organic, inorganic, pharmaceutical, and environmental systems. Each student receives hands-on experience using a variety of modern instrumentation and data analysis software. Students are required to write ACS journal-style laboratory reports and to make short oral presentations of their laboratory work. Three hours of lecture and one three-hour laboratory session per week. Prerequisite: CHM301.

CHM 443  
**Applications Of NMR Spectroscopy**  
Spring semester. 3 semester hours. NSL.  
The theory behind nuclear magnetic resonance (NMR) spectroscopy is examined, focusing on interesting applications of 1-D and 2-D NMR spectroscopy. Students will utilize solid-state and solution NMR techniques to answer a variety of chemical, biological, and environmental questions. Three hours of lecture and laboratory per week. Prerequisite: CHM301.

CHM 450  
**Internship**  
On demand. 1-15 semester hours. EL.  
A maximum of three semester hours can be counted towards the major in chemistry. This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with a chemistry advisor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

CHM/BIO 452  
**Biochemistry I**  
Fall semester. 5 semester hours. NSL.  
Biochemistry is the study of the molecules and chemical reactions essential to life. After an introduction to the chemistry and structure of carbohydrates, lipids, and proteins, discussions of enzyme structure and kinetics set the stage for a detailed exploration of metabolism and its regulation. The laboratory component of this course involves a semester-long integrated project that requires independent student work. Three lecture hours plus one laboratory lecture hour per week. Significant time working independently in the laboratory is required. Prerequisites: CHM301 and BIO111.

CHM/BIO 460  
**Biochemistry II**  
Spring semester, alternate years. 3 semester hours. NS.  
An introduction to the chemistry and structure of nucleotides and nucleic acids is followed by a detailed study of DNA replication and repair, RNA transcription and processing, protein synthesis, and the regulation of these processes. Bioethics, an important and interesting topic, is covered as an extension to the scientific content. This course covers topics in more depth and with a different emphasis than genetics. Prerequisite: CHM301 and either BIO/CHM452 or BIO203.

CHM 490  
**Seminar**  
On demand. 1-3 semester hours.  
Selected topics in chemistry are explored.

CHM 499  
**Independent Study**  
On demand. 1-3 semester hours.  
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
COMMUNICATION

COM 101
Interpersonal Communication
Fall semester. 3 semester hours.
This course examines how intimate, personal, and professional relationships are created and maintained. Students develop an increased awareness of and sensitivity to behaviors, which facilitate effective interpersonal communication as well as to those behaviors, which serve as obstacles. The course addresses topics such as perception, self-concept, listening, and interpersonal conflict.

COM 102
Public Speaking
Fall and Spring semesters. 3 semester hours. SP.
In this skills-based course, students deliver informative and persuasive speeches. The course examines audience analysis, speech organization and delivery, developing support materials, and persuasive appeals. By the end of the course, students are able to speak competently and confidently to many types of audiences.

COM 247
Communication Projects
On demand. 1 semester hour.
Students pursue special research in communication studies. Prerequisite: permission of professor.

COM 250
Small Group Communication
Fall semester, alternate years. 3 semester hours.
This course explores how and why people come together in groups, how groups develop norms for acceptable behavior, and how individuals can help groups work efficiently. Students examine group processes, learning the reasons why groups succeed or fail. Students learn how to run meetings fairly and efficiently.

COM 257
Intercollegiate Forensics
Fall and Spring semesters. 1 semester hour.
This course is designed for students actively preparing for, and/or participating in, individual intercollegiate events or debate. Pass/no pass grading.

COM 260
Argumentation And Debate
Fall semester, alternate years. 3 semester hours. SP.
The course explores how people reason and what makes a good persuasive speaking style. After choosing important topics, students prepare their arguments and then debate.

Students learn to develop effective persuasive speaking skills as well as to constructively analyze the arguments of others.

COM 306
Organizational Communication
Fall semester, alternate years. 3 semester hours.
Organizational communication is the study of how communication occurs in large cooperative networks, especially in work settings. Students learn how to supervise people, attract customers and clients, and understand the values and cultures of the organization within which they work. Knowledge of organizational communication is especially useful for future employees of corporate and non-profit organizations, since effective communication is a critical skill for success. Prerequisite: COM102 or permission of professor.

COM 308
Intercultural Communication
Spring semester, alternate years. 3 semester hours.
Intercultural communication examines the way in which culture influences communicative practices behaviorally, affectively, and cognitively. Language, thought, and a particular way of viewing the world are all conveyed through culture, which can refer to people bound together by a shared language or to a sub-set of people contained within a larger society. Culture is continuously negotiated among people through the exchange of symbols. Students who expect to participate in an international workplace will better understand the importance of intercultural communication. Prerequisite: COM102 or permission of professor.

COM 310
Communication Theory
Fall semester, alternate years. 3 semester hours.
This course explores theories that explain communication behavior in relationships, in group decision-making, in work organizations, and in the media. Communication theory explains how and why people construct meaning, how theories explain fact patterns, and what constitutes an appropriate test of a theory. Students will appreciate some of the strange and wonderful things humans do as we create and interpret symbols. Prerequisite: COM102 or permission of professor.

COM/ENG 355
Mass Media
Spring semester, alternate years. 3 semester hours.
This course explores how communication media, whether smoke signals, newspapers, television or the Internet,
influences human communication. We are different people than in the past because we can instantaneously reach people around the globe. With each change in technology, communication changes. These changes alter what it means to be human. Students must be able to understand the power of the media to better manage its influence in their personal and professional lives.

**COM 402 Interviewing**  
Spring semester, alternate years. 3 semester hours.  
Interviewing is a skill with both theoretical and practical applications. This course prepares students to be excellent interviewers and interviewees in employment, informational, survey, and performance appraisal interviewing. Students also learn resume writing and how to write recommendations, as well as how to create and sustain supportive networks in the work-world. Prerequisite: COM102 or permission of professor.

**COM 404 Rhetoric Of Protest And Dissent**  
Spring semester, alternate years. 3 semester hours.  
Throughout history, people have protested injustice, prejudice, inhumanity, and colonialism. They have often tried, and even sometimes succeeded, in protesting without violence. Persuasion is an alternative to physical aggression. This course examines why and how protest occurs, the challenges protesters face rhetorically, and the available options from which protesters can choose. Students will emerge with an appreciation of how difficult protest is and how important it is for a vital society.

**COM 447 Communication Projects**  
On demand. 1 semester hour.  
Students pursue special research in communication studies. Prerequisite: permission of professor.

**COM 450 Internship**  
On demand. 1-15 semester hours. EL.  
This course is a guided work experience in an already established institution such as a non-profit or for-profit organization or a governmental institution. The student must arrange the internship in agreement with the instructor and with the office of career services, and the internship must be a learning experience that is connected with the professional communication degree. Contract is required. A maximum of three semester hours can be counted towards the major in communication. Prerequisites: junior or senior standing and permission of professor.

**COM 457 Intercollegiate Forensics**  
Fall and Spring semesters. 1 semester hour.  
This course is designed for students actively preparing for, and/or participating in, individual intercollegiate events or debate. Pass/no pass grading.

**COM 490 Seminar**  
Spring semester, alternate years. 3 semester hours.  
At the basis of communication is the creation of community. Through writing and speaking, students in this capstone course explore why and how people create communities and what kind of communities they create. Each seminar will focus upon a special theme, such as the implications of free speech or postmodern organizational ethics. For example, in the free speech seminar, students analyze the origins and controversies surrounding free speech, and the consequences free speech, or the lack of it, have upon self-government.

**COM 499 Independent Study**  
On demand. 1-3 semester hours.  
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
COMPUTER SCIENCE

CSC 114
Computer Ethics
Fall semester. 1 semester hour.
This course, required of all computer science majors, provides an overview of current ethical issues in the computing industry including privacy, fair use, free speech, and intellectual property issues. Topics also include weighing individual rights against corporate and societal rights and developing ethical evaluation processes.

CSC 130
Fundamentals Of Programming I
Fall semester. 3 semester hours.
Students are introduced to the fundamental concepts of computer programming and the practical aspects of composing, testing, proving, and documenting computer programs. Topics covered include development of programmable processes, representation and manipulation of foundation data types, simple input/output processing, and elementary program control structures. Corequisite: CSC132 (lab).

CSC 131
Fundamentals Of Programming II
Spring semester. 3 semester hours.
This course builds upon the foundation established in Fundamentals of Programming I by developing more complex abstract data types, and exploring fundamental data structures and elementary concepts of computer organization. Other topics covered include the use of libraries, file-based input/output, operating system interfaces, and application programming interfaces. Laboratory time will be less structured than in CSC130. Corequisite: CSC133 (lab). Prerequisite: CSC130.

CSC 132
Fundamentals Of Programming Lab I
Fall semester. 1 semester hour.
A weekly laboratory will allow the student to gain experience and familiarity with the tools and mechanical procedures necessary for success in computer programming. Corequisite: CSC130 (lecture).

CSC 133
Fundamentals Of Programming Lab II
Spring semester. 1 semester hour.
A weekly laboratory will introduce students to development tools such as simple scripting, “make” files and debuggers. Corequisite: CSC131 (lecture).

CSC 240
Technical Problem Solving
Fall semester. 2 semester hours. Emphasis IT.
Students will have hands on experience diagnosing and repairing technology equipment including computers, printers and other peripherals. This course focuses on problem solving and techniques for complex problem analysis. This course will apply to CS major graduation requirements only under the IT option and will be taught as required.

CSC 247
Analysis, Algorithms And Design Patterns
Spring semester. 3 semester hours.
This course provides a study of the techniques used to analyze program requirements and introduces students to algorithms and design patterns widely used in the implementation of programmed solutions. Students will apply analysis techniques to deconstruct complex problem requirements into components in order to realize programming solutions. Prerequisite: CSC131.

CSC 251
Data Structures
Fall semester. 3 semester hours.
Data structures and their characteristic algorithms are studied including analysis of performance predictions inherent to the various data organizations. Lists, stacks, queues, trees, and elementary graphs are considered. Prerequisite: CSC131.

CSC 255
Assembler Language Programming
Fall semester. 3 semester hours.
This course studies the representation of data and programs in the fundamental language of the computer. Students will learn how numeric and non-numeric data are represented in the processor and memory of modern computers and be led to understand how the basic operations familiar in high-level languages are implemented by the instructions executed by the processor. Successful programming in assembler language requires great attention to detail. Prerequisite: CSC131.

CSC 256
Discrete Structures And Computability
On demand. 3 semester hours.
The mathematical and theoretical underpinnings of the science of computer science will be explored. Students will be introduced to Boolean algebra and elementary logic and their application to computer implementation.
and algorithm development. This course explores the historical development of computer science from its roots in mathematical models including early models of computation, such as Turing machines and other finite state machines. Prerequisite: CSC131 and either MAT110 or MAT175.

CSC 258
Topics In Computer Science
On demand. 1-3 semester hours.
This occasional offering will study special areas of computer science not otherwise covered in the curriculum. Prerequisite: permission of professor.

CSC 309
Computer Organization And Architecture
Every 3rd semester. 3 semester hours. Emphasis CS.
Modern computers represent a powerful synergy of hardware and software, as reflected in deeply nested layers of abstraction. This course studies computer architecture and organization as it is influenced by the hardware-software interfaces. The organization of processors to support the fundamental execution cycle will be explored. Additional topics include computer arithmetic, performance factors and specialized architectures. Prerequisite: CSC255.

CSC 320
Numerical Methods
On demand. 3 semester hours. Emphasis CA.
The study of numerical methods involves the design and use of algorithms for solving large mathematical problems with a computer. Topics include estimation of accuracy, the use of series and approximation, and numerical integration and differentiation. Prerequisites: CSC131 and MAT176.

CSC 326
Graphics
Every 3rd semester. 3 semester hours. Emphasis CA.
The use of computer technology to create and display information in a visual manner is studied. Topics include display technology, graphic user interfaces (GUI), graphics algorithms, and computer-based imagery. Exercises will involve the use of current graphics software and systems. Prerequisite: CSC251.

CSC 330
Computer Networking
Fall semester. 3 semester hours.
The organization of computer systems into networks and the theory of computer communication across those networks will be studied. Communications protocols from design to implementation perspectives will be considered with a focus on current technology and software. Students will construct and test software implementations of the technologies as they are discussed. Prerequisite: CSC247 or CSC251.

CSC 335
Database Systems
Every 3rd semester. 3 semester hours. Emphasis CA/CS.
This course will introduce the student to the fundamental concepts and implementation of modern database systems, including relational and object-oriented databases. Topics include entity relationship models, transaction processing, concurrency, and query processing. Prerequisite: CSC251.

CSC 352
Programming Language Study I
Fall semester. 1 semester hour.
This course provides instruction and experience using modern computer programming languages. Students will be required to implement basic and intermediate programming tasks in order to explore the syntax, semantics, and dominant paradigm of the topic language. Students cannot apply more than five semester hours of Programming Language Study towards completion of the CS major requirements. Prerequisite: CSC251, or CSC131 and permission of professor.

CSC 353
Programming Language Study II
Spring semester. 1 semester hour.
This course provides instruction and experience using modern computer programming languages. Students will be required to implement basic and intermediate programming tasks in order to explore the syntax, semantics, and dominant paradigm of the topic language. Students cannot apply more than five semester hours of programming language study towards completion of the CS major requirements. Prerequisite: CSC251, or CSC131 and permission of professor.

CSC 360
Programming Paradigms
Every 3rd semester. 3 semester hours. Emphasis CA/CS.
The history, development and evolution of programming languages are studied in this course, which deals with the programming paradigms utilized by modern languages. Experience with alternative paradigms is gained through programming exercises. Related topics covered in this course include regular expressions, interpreters and compilers, and tools for language processing. Prerequisite: CSC251, or CSC131 and permission of professor.
CSC 376
Object-Oriented Analysis And Design
On demand. 3 semester hours. Emphasis SE.
This course will introduce the student to techniques for performing requirements analysis and design using object-oriented approaches. Topics include the role of modeling, creation of use cases, risk analysis, the “unified software development process,” and iterative design. Prerequisite: CSC247.

CSC 391
Information Technology Practicum
Fall and Spring semesters. 1 semester hour. Emphasis IT.
This course will provide participants with on-campus practical experience in a production environment. Forty-five (45) hours of satisfactorily completed supervised work are required to complete the course. Students will be challenged with a sequence of projects to be completed under deadline providing service to the CS/IT department and the campus as a whole. This course will apply to CS major graduation requirements only under the IT option. Prerequisite: junior standing and permission of professor.

CSC 410
Operating Systems
Every 3rd semester. 3 semester hours. Emphasis CS.
This course will introduce the student to the principles, mechanisms, and algorithms underlying modern operating systems. Topics will include management of memory, I/O and processor resources, elementary queuing theory, and inter-process communication. Prerequisite: CSC247.

CSC 411
Project Management
On demand. 3 semester hours. Emphasis SE.
This course will study techniques for organizing and managing large software projects. Topics will include risk assessment and mitigation project inception, life cycles and organization; traditional team responsibilities; task scheduling and management; reviews and post-mortem analysis; and quality assurance processes. Prerequisite: permission of professor.

CSC 415
System Administration
On demand. 3 semester hours. Emphasis IT.
Students completing this course will learn the fundamentals of multi-user operating system management. Topics will include installation, management, maintenance and security of modern operating systems. This course will apply to CS major graduation requirements only under the IT option. Prerequisite: permission or professor.

CSC 430
Advanced Networking And Security
Every 3rd semester. 3 semester hours. Emphasis CS/IT.
Participants will explore the techniques and study issues relevant to maintaining and securing computers in a modern networked environment. The course will focus on techniques and methods used to compromise networked computer systems and the methods that are used to counter these attacks. Topics covered will include human and automated intrusion, viruses, and social engineering. Prerequisite: CSC309.

CSC 431
Parallel And Distributed Computing
On demand. 4 semester hours. Emphasis CA/CS.
Extremely high performance computing (HPC) depends upon specialized computer architectures and non-traditional programming paradigms. This course will explore topics in HPC including vector and array processors, distributed networks and massively parallel architectures, from the hardware, operating system and application software perspectives. Prerequisite: CSC309 or CSC360.

CSC 433
Compiler Construction
Every 3rd semester. 4 semester hours. Emphasis CS.
This course considers algorithms and data structures used in the translation of high-level languages to executable machine language. Topics include general organization, lexicographic analysis, management of name spaces and storage, error detection and recovery, code generation and optimization. Prerequisites: CSC360 and permission of professor.

CSC 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. A maximum of 3 semester hours will be counted toward a computer science major. Contract is required. Prerequisites: junior or senior standing and permission of professor.
examination of the system development life cycle and its impact on projects, the tools used to facilitate systems design, and an introduction to sound documentation and user acceptance testing principles. This course will apply to CS major graduation requirements only under the IT option and will be taught as required. Prerequisite: permission of professor.

**CSC 490**  
**Computer Science Research Seminar**  
Every semester. 3 semester hours.  
Students will participate in on-going research and development projects. Areas of focus will vary as projects are undertaken and evolve. Participants will be expected to be active contributors to research and development teams operating under the guidance of faculty sponsors, and will be required to make both formal and informal presentations based on team progress, and participate in critical project reviews. Students should expect to contribute at least nine hours each week toward team efforts. Prerequisite: senior standing or permission of professor.

**CSC 499**  
**Independent Study**  
On demand. 1-3 semester hours.  
Under the guidance of a faculty sponsor, students may study facets of computer science not available for study through offered CS courses. Independent study is an ideal vehicle for students wishing to explore interdisciplinary applications of computer-related technology. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing and permission of professor.
ECONOMICS

ECO 201
Principles Of Macroeconomics
Fall and Spring semesters. 3 semester hours. SS.
This course is the study of aggregate economic problems, including an introduction to the economics of full employment, economic growth, and price stability.

ECO 202
Principles Of Microeconomics
Fall and Spring semesters. 3 semester hours. SS.
Students study individual economic problems. This course offers an introduction to production and exchange, pricing policies, and resource allocation under alternative competitive situations.

ECO 203
Contemporary Economic Problems
Fall semester, alternate years. 3 semester hours. SS.
This course will look at the application of beginning economic theory to problems of the American and world economy. Such issues as agriculture, poverty, world trade and finance, and alternative economic systems will be addressed. Prerequisites: ECO201 and ECO202.

ECO 301
Money And Banking
Fall or Spring semester. 3 semester hours. SS.
This course provides a critical analysis of the theoretical and practical operations of modern financial intermediaries and their relation to the Federal Reserve Bank and international money markets. Prerequisite: ECO201.

ECO 302
Public Finance And Taxation
Spring semester, alternate years. 3 semester hours. SS.
Students examine government spending and taxation from a theoretical perspective. Prerequisites: ECO201 and ECO202.

ECO 305
American Economic History
On demand. 3 semester hours. SS.
Students explore a history of the American economy from colonial to modern times with emphasis on industrial growth, government policy, and agriculture.

ECO 345
Intermediate Microeconomics
Fall semester, alternate years. 3 semester hours. SS.
Students explore a theoretical study of industry, business, and household decision-making in the context of perfect and imperfect competition. The theory of production, exchange, and distribution under static and dynamic conditions will be examined. Prerequisite: ECO202.

ECO 346
Intermediate Macroeconomics
Fall semester, alternate years. 3 semester hours. SS.
This course examines an analysis of Keynesian and post-Keynesian economic theories of national income, employment, and growth. Prerequisite: ECO201.

ECO 350
Enterprise Analysis
Spring semester, alternate years. 3 semester hours.
Students apply microeconomic principles to agricultural production and services problems. Prerequisite: ECO346 or permission of professor.

ECO 352
Energy Economics
On demand. 3 semester hours.
This course provides a study of energy supply and demand, with emphasis on energy resources available, the allocation of these resources, energy technology, and cost. National energy goals and policies are discussed. Prerequisite: ECO202.

ECO 354
Environmental Economics
Spring semester, alternate years. 3 semester hours. SS.
Students examine the application of microeconomics to problems of the environment. This course is offered both for the major and for those interested in environmental problems. Prerequisite: ECO202.

ECO 401
International Trade
Spring semester, alternate years. 3 semester hours. SS.
The structure of world trade, the effect of international trade upon national income, exchange rates, problems of foreign aid and investment, and industrialization of underdeveloped countries. Prerequisites: ECO201 and ECO202.
ECO 402
Development Of Economic Ideas
Fall semester, alternate years. 3 semester hours.
Historic development of economic theory. Emphasis is analytical; consideration is given to institutional and philosophical backgrounds.

ECO 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

ECO 490
Seminar
On demand. 1-3 semester hours.
Selected topics in economics are explored.

ECO 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
EDUCATION

EDC 202
Foundations Of Education
Fall and Spring semesters. 2 semester hours.
This is an introductory course for students considering teaching as a career. It provides an overview of the purposes of education, the legal basis for schools, school organization and finance, the job of the teacher, general curriculum concepts, school-community relationships, partnering with parents, multicultural education, gender equity in the classroom, and other issues in education today. Students are assisted in clarifying their career goals related to teaching and in planning an educational program to meet those goals. Prerequisite: ENG119 or equivalent (ENG119 may be taken concurrently).

EDC 291E
Field Practicum: Elementary School
Fall and Spring semesters. 1 semester hour.
This course provides practical field experience in an elementary school. Each credit hour requires 40 hours of experience. Students must complete the practicum during the fall or spring semester over a period of between 10-14 weeks. Students must complete a field practicum before they can be admitted to the teacher education program. Sophomore standing is required.

EDC/MUS 291S
Field Practicum: Secondary And/Or K-12 School
Fall and Spring semesters. 1 semester hour.
This course provides practical field experience in an elementary, middle, or secondary school. Each credit hour requires 40 hours of experience. Students must complete the practicum during the fall or spring semester over a period of between 10-14 weeks. Students must complete a field practicum before they can be admitted to the teacher education program. Sophomore standing is required.

EDC/PSY 302
Educational Psychology
Fall and Spring semesters. 3 semester hours. SS.
This course is designed to aid the student in continuing to develop an understanding of human behavior, especially as that understanding applies to elementary and secondary classrooms. Emphasis will be on why and how human learning takes place and how that learning relates to schools and teaching situations where the needs of each student must be considered. The course also includes participation in and the analysis of interpersonal relations and communication skills. Prerequisites: PSY205 or PSY206 or permission of professor.

EDC 325
Standards, Instruction, And Student Assessment
Fall semester. 3 semester hours.
This course focuses on various forms of assessment including federal, state, and local testing and the appropriate use of assessment results. Ways of establishing meaningful and fair assessments will be explored. The reliability and validity of some assessment tools will be examined, and methods of item analysis discussed. Prerequisite: MAT100 or equivalent, and admission to teacher education program or permission of professor.

EDC 330
Introduction To Teaching Exceptional Learners
Fall semester. 3 semester hours.
This course introduces students to the characteristics, legal requirements, programming, and service requirements for exceptional learners, including gifted and talented students. Categories of disabilities addressed will be those outlined within PL94-142. Emphasis will be given to education within the least restrictive environment. Prerequisite: admission to teacher education program or permission of professor.

EDC 336
Educational Technology
Spring semester. 2 semester hours.
This course is designed to prepare preservice elementary, secondary, and K-12 teachers in the appropriate use of instructional technology, thus fostering an intellectually active and technologically supportive classroom. Students will explore and evaluate instructional software packages, assess Internet resources, build a portfolio of resources appropriate to a grade level and content area, design lesson plans, create and explore tests and other evaluative tools, and learn ways of creating strong parental contacts. Course will culminate in a comprehensive, student-designed multimedia presentation. Prerequisite: admission to the teacher education program or permission of professor.

EDC 341
Methods And Materials: Teaching Health In The Elementary School
Fall semester. 2 semester hours.
This course provides competency in the delivery and evaluation of planned learning programs for elementary school children. Content will include knowledge of the purpose and scope of a health curriculum, appropriate health topics, and lesson planning. Multi media based learning will be examined. Prerequisite: admission to the teacher education program or permission of professor.
EDC 342
Methods And Materials: Teaching Physical Education In The Elementary School
Spring semester. 2 semester hours.
This course provides competency in the delivery and evaluation of planned learning programs for elementary school children. Content will include knowledge of the physiological, psychological, and motor developmental needs of elementary-age children and the implication for curriculum development and implementation. Includes experience working with children in an on-campus Saturday morning program. Prerequisite: admission to teacher education program or permission of professor.

EDC 343
Methods And Materials: Teaching Art, Grades K-8
Spring semester. 3 semester hours.
This course focuses on the methods and materials for teaching art in the elementary and middle school. Prerequisites: ART121, and admission to the teacher education program or permission of professor.

EDC/MUS 344
Methods And Materials: Teaching General Music In The Elementary School
Spring semester. 2 semester hours.
This course provides a study of trends in philosophy, curriculum and program development, traditional instructional materials, Orff/Kodaly, and other innovative teaching techniques for elementary school and early childhood general music. Prerequisites: MUS100, K-12 music education major status, or permission of professor.

EDC 349
Methods And Materials: Teaching Mathematics In The Elementary School
Spring semester. 3 semester hours.
This course focuses on the methods and materials for teaching mathematics in the elementary school based on the National Council of Teachers of Math standards. Prerequisites: MAT103, MAT104, and admission to the teacher education program or permission of professor.

EDC 350
Methods And Materials: Teaching Reading And Language Arts In The Elementary School
Fall semester. 4 semester hours.
This course provides an integrated approach to the language arts curriculum of listening, speaking, reading, and writing, an approach, which corresponds to the actual development of language skills. Methods of teaching the language arts; the use of books, other written materials, and audiovisual materials; the use of computer programs; methods of assessing and evaluating achievement; and ways of organizing the curriculum form a major portion of the course. The course provides increased familiarity with literature appropriate for elementary school children. Prerequisite: admission to teacher education program or permission of professor.

EDC 353
Teaching Reading And Writing In The Content Areas
Spring semester. 2 semester hours.
This course will provide K-12 music, art, and physical education and health preservice teachers as well as secondary-level preservice teachers with the tools to teach listening, speaking, grammar, vocabulary, spelling, writing, and study skills with the aim of helping their future students achieve content area literacy and basic necessary reading skills. Learners with special reading needs will be addressed, and the writing process and the use of literature in the content classroom will be examined. Students will also evaluate content-based materials for their reading difficulty level and appropriateness. Students will develop and deliver practical lessons that address content area literacy and text comprehension. Prerequisites: admission to the teacher education program or permission of professor.

EDC 355
Methods And Materials: Teaching Social Studies In The Elementary School
Fall semester. 3 semester hours.
This course provides an integrated approach to the social studies K-8 curriculum in elementary and middle schools. Emphasis is on the development of daily, weekly, and unit lesson plans. A variety of instructional strategies will be reviewed and practiced. Methods of organizing the curriculum, methods of teaching, and the use of various technological tools are emphasized. The scope and sequence of various curricula will be examined. Prerequisites: SOC101 or SOC242, and admission to the teacher education program or permission of professor.

EDC 356
Methods And Materials: Teaching Science In The Elementary School
Fall semester. 3 semester hours.
This course is designed to provide an integrated approach to the science K-8 curriculum in elementary and middle schools. Emphasis is on the development of daily, weekly, and unit lesson plans. A variety of instructional strategies, including hands-on activities, will be reviewed and practiced. Students will be expected to participate in a teaching team and create integrated thematic lessons. Prerequisite: admission to the teacher education program or permission of professor.
EDC 360
Children’s Literature
Spring semester. 3 semester hours.
This course is designed to increase familiarity with a variety of genres of literature appropriate to the elementary classroom: traditional, modern fantasy, contemporary realistic fiction, poetry, historical fiction, biography, and multi-ethnic literature. Students will evaluate literature for its personal, social, and aesthetic values and will develop effective reading selection criteria. Prerequisite: admission to the teacher education program or permission of professor.

EDC 370
Student Health And Safety
Spring semester. 3 semester hours.
This course focuses on the recognition of issues that obstruct student learning and on referral to appropriate services, since teachers must help ensure a healthy and safe learning environment. Topics to be studied are classroom safety, communicable diseases, drug abuse, first aid and CPR, nutritional deficiencies, physical and emotional abuse, psychological disorders, and school violence. Prerequisite: admission to the teacher education program or permission of professor.

EDC 391E
Field Practicum: Elementary School
Fall and Spring semesters. 1 semester hour.
This course provides practical field experience in an elementary classroom. Each credit hour requires 40 hours of experience. Students are required to take an active part in classroom activities. Students must complete the practicum during the fall or spring semester over a period of between 10-14 weeks. Prerequisites: admission to the teacher education program or permission of professor. Junior standing is required.

EDC 391S
Field Practicum: Secondary School
Fall and Spring semesters. 1 semester hour.
This course practicum provides practical field experience in a secondary (5-12) classroom for students majoring in biology, chemistry, English, history, mathematics, psychology, social studies broadfield, or sociology/anthropology. Each credit hour requires 40 hours of experience; students will be expected to take an appropriately active part in classroom activities. Students must complete the practicum during the fall or spring semester over a period of between 10-14 weeks. Prerequisites: admission to the teacher education program or permission of professor. Junior standing is required.

EDC 402
Contemporary Issues In Curriculum
Fall and Spring semesters. 3 semester hours.
This course blends theory and practice to provide a comprehensive overview of the foundations, principles, and issues of curriculum. The philosophical, historical, psychological, and theoretical foundations of curriculum will be explored as well as present issues, trends, and future directions. An integrated approach to studying curriculum and instruction, grades K-12, will emphasize planning, classroom communication, student motivation, positive classroom management, instructional methods, individualizing instruction, teaching culturally diverse students, and professionalism as it applies to the job of the teacher. Prerequisite: admission to the teacher education program.

EDC 410
Classroom Management
Fall and Spring semesters. 2 semester hours.
This course reviews the fundamental skills of classroom management. Students will be presented with a systemic approach to classroom management. Enforcing classroom standards, building patterns of cooperation, maximizing learning, and minimizing disruptions in order to establish and maintain an effective and safe classroom-learning environment will be emphasized. Prerequisite: admission to the teacher education program.

EDC 420
Methods And Materials: Teaching Content Courses In Secondary Education
Fall semester. 3 semester hours.
Art, biology, chemistry, English, history, mathematics, psychology, social studies broadfield, sociology/anthropology, and physical education and health enhancement education majors will design and execute unit plans and lesson plans specific to their content areas; will review and practice a variety of instructional strategies; will examine the scope and sequence of various content-area curricula; will address hot topics in education and the challenges middle and high school teachers face; will become familiar with methods of teaching study skills strategies; will apply the 6-Traits Writing Project’s diagnostic and evaluative techniques across the content areas; and will acquire expertise in building and maintaining parent/family/guardian relationships. Prerequisite: admission to the teacher education program. Corequisite: IDS421 (for history, sociology/anthropology, and social studies broadfield majors) or IDS422 (for science-area majors) or the appropriate content area 420 methods and materials course for all other majors; (see catalog for specific content area course listing).
EDC 452
Student Teaching In The Secondary School
Fall and Spring semesters. 9 semester hours. EL.
This course requires a minimum of 15 weeks of practice teaching at the 5-12 grade level; student teachers are required to modify their assignment according to the host school’s calendar. Secondary content area student teachers are required to do an additional one-week 5th/6th grade observation. Students must pay a student teaching fee in addition to regular college expenses. Prerequisite: admission to student teaching (see “Education” introductory section for requirements).

EDC 453
Student Teaching In The Elementary School
Fall and Spring semesters. 9 semester hours. EL.
This course requires a minimum or 15 weeks of practice teaching at the K-8 level; student teachers are required to modify their assignment according to the host school’s calendar. Students must pay a student teaching fee in addition to regular college expenses. Prerequisite: admission to student teaching (see “Education” introductory section for requirements).

EDC 454
Student Teaching (Grades K-12)
Fall and Spring semesters. 9 semester hours. EL.
This course requires a minimum of 16 weeks (8 weeks elementary, 8 weeks secondary) of practice teaching at both the K-8 and 5-12 levels for K-12 physical education and health, art, and music education majors. Student teachers are required to modify their assignment according to the host school’s calendar. Students must pay a student teaching fee in addition to regular college expenses. Prerequisite: admission to student teaching (see “Education” introductory section for requirements).

EDC 490E
Seminar: Elementary Education
Fall and Spring semesters. 3 semester hours.
In this course, selected topics in elementary education will be discussed at regularly scheduled meetings. Preparation of a professional portfolio, creation of a credential file, and applying for Montana licensure will be addressed. Registration in this seminar is mandatory for all elementary education student teachers. Corequisite: EDC453.

EDC 490S
Seminar: Secondary/K-12 Education
Fall and Spring semesters. 3 semester hours.
In this course, selected topics in secondary and K-12 education will be discussed at regularly scheduled
ENGLISH

ENG 118
Basic Composition
Fall semester. 3 semester hours.
Frequent practice in expository writing fosters clarity of organization and expression in the development of ideas. Particular emphasis directed toward mastering the component parts of an essay, English grammar and usage, and vocabulary skills. May not be taken to satisfy general education requirements.

ENG 119
First-Year Writing
Fall and Spring semesters. 3 semester hours. EN1.
This course is an introduction to college writing, with an “awareness” of multi-cultural literacy. Students critically read and discuss texts, learn that writing is a process, experiment with academic prose, develop the skills necessary to create and support a thesis, practice incorporating research into their analysis, and develop grammatical and stylistic competence. Further, working in collaboration with a second discipline, students learn to integrate knowledge. Students keep a portfolio of their work, which includes a self-evaluation of their writing progress. Required of all students entering as freshmen as part of the Rocky Freshman Experience.

ENG 219
Critical Reading And Evaluative Writing
Fall and Spring semesters. 3 semester hours. EN2.
Designed to follow First-Year Writing, students analyze texts and create effective writing based on their insights. Students practice generating questions that lead to the formation of complex thesis and effective support. Building on the idea of integrated knowledge, students develop strategies aiding them in cross-disciplinary and multi-cultural reasoning. They compose essays deploying diverse strategies, such as definition, classification, comparison/contrast, analysis, and argumentation. Students keep a portfolio of their work, which includes a self-evaluation of their writing progress. Prerequisite: ENG119.

ENG 224
Introduction To African-American Literature
Fall semester, alternate years. 3 semester hours. HU.
This course is a study of selected topics in African American literature and criticism. Topics may vary but may include such areas as the literature of civil rights, African-American memoir, captivity and freedom narratives, African-American poetry, theories of race and class, and Black feminist writing, among others.

ENG 231
Literary Criticism
Fall semester, alternate years. 3 semester hours. HU.
This course introduces students to current controversies in literary criticism. The class discusses approaches to literary analysis such as deconstruction, cultural criticism, and post-colonialism. Students typically use a casebook method, observing how critics from divergent backgrounds interpret a single text. Students critique these various approaches and refine their own critical practices.

ENG 236
Literature And Photography
Fall semester, alternate years. 3 semester hours. HU.
This course is an interdisciplinary study of the relationship between photography and the literature, art, politics, and history from the nineteenth-century to the present. It introduces theories of photography as well as works of individual artists.

ENG 238
Fiction And Film
Spring semester, alternate years. 3 semester hours. HU.
An introduction to the relationships between novels and short stories and the films adapted from them. Explores fiction and films that represent a variety of authors, periods and genres, ranging from westerns to science fiction.

ENG/THR 241
Introduction To Shakespeare
Fall semester, alternate years. 3 semester hours. HU, FA.
This course provides an introduction to the world of Shakespeare’s plays and the opportunity to experience and analyze the dramatic works of England’s greatest writer. Emphasis is on close reading of selected Shakespeare tragedies, comedies, histories, and romances. Students view various performances in order to understand and appreciate the dramatic, literary, and historical backgrounds of the plays.
ENG/THR 242
Modern Dramatic Literature
Fall semester, alternate years. 3 semester hours. HU, FA.
Focusing on script analysis, students consider diverse trends in play-writing and theatrical performances over the past hundred years as viewed through the works of the major playwrights of Europe and the United States. Trends studied include expressionism, surrealism, cubism, and absurdism. This course encourages cross-cultural understanding.

ENG 245
Travel Literature
Fall semester, alternate years. 3 semester hours. HU.
A survey of various travel narratives by various contemporary travel writers as well as selected travel classics by writers such as Burton, Kingsley, and Bird. Students develop skills in critical analysis by comparing the various cultural and historical contexts in which the genre of travel writing has been practiced.

ENG 247
War Literature
On demand. 3 semester hours. HU.
Students explore how a variety of writers through time have represented the tragedy, trauma, and psychology of war. The course covers fictional and non-fictional works from various historical and literacy periods as well as genres such as epic and lyric poetry, romance, and drama.

ENG 251
Imaginative Writing
Fall semester. 3 semester hours.
This introduction to imaginative writing explores poetry and short fiction. The class is a workshop focusing on the stages of free writing, drafting, presenting, and revising poems and prose. Elements of poetry discussed include tone, voice, image, metaphor, and devices of sound, meter, traditional structure, and innovations. Elements of fiction emphasized include setting, character development, dialogue, plot, and conflict. Prerequisite: ENG119.

ENG 252
Close Reading Of Poetry
Fall semester. 3 semester hours. HU.
Students are introduced to the genre of poetry. The course provides students with a foundation in the methods of detailed reading and analysis essential to an understanding of poetry and, more broadly, to the study of literature. It addresses the basics of prosody, poetic devices (such as diction, metaphor, image, tone), and major verse forms (such as the sonnet, elegy, ode, ballad, dramatic monologue, free verse). The selection of texts reflects both the continuity and variation in the history of British and American poetry, and provides a sampling of works from the sixteenth century to the present.

ENG/THR 253
Classical Dramatic Literature
Fall semester, alternate years. 3 semester hours. HU, FA.
Focusing on script analysis, this course provides a chronological study of the major theatrical periods of dramatic literature from the emergence of Greek tragedy in the fifth century BC to the development of European realism in the late nineteenth century. The course also encourages cross-cultural understanding.

ENG 258
Topics In Language And Literature
On demand. 3 semester hours. HU.
Content varies, including comparative literature topics, problems in literature topics, and language topics. This course may be taken more than once.

ENG 270
Literature Of Montana And The American West
On demand. 3 semester hours. HU.
This course examines literature written by and about people living in Montana and the western United States, including Native Americans, women, and immigrants.

ENG 272
British Literature: 800 To 1800
Fall semester. 3 semester hours. HU.
The first in a sequence of two British literature surveys, providing an introduction to the formative period of British language and literature. Students read representative works from the Anglo-Saxon, Middle English, Renaissance, Restoration, and Eighteenth-Century periods against their literary, historical, linguistic, and philosophical backgrounds.

ENG 273
British Literature: 1800 To Present
Spring semester. 3 semester hours. HU.
The second in a sequence of two British literature surveys, providing an introduction to Romantic, Victorian, and Modernist literature.

ENG 282
American Literature: Origins To 1865
Fall semester. 3 semester hours. HU.
This course provides a survey of major literary works from the Puritan, Enlightenment, and Romantic periods. Emphasis is placed on such figures as Edwards, Franklin,
Emerson, Hawthorne, Poe, Thoreau, Jacobs, Whitman, Douglass, Melville, and Dickinson. The literature is examined in the context of literary, historical, and philosophical backgrounds.

**ENG 283**  
**American Literature: 1865 To Present**  
Spring semester. 3 semester hours. HU.  
This course provides a survey of major literary works since the Civil War. Emphasis is placed on such figures as Twain, James, Crane, DuBois, Chopin, Wharton, Toomer, Cather, Hughes, Hemingway, and Stevens. The literature is examined in the context of literary, historical, and philosophical backgrounds.

**ENG 291**  
**Contemporary World Fiction**  
Spring semester. 3 semester hours. HU.  
This course introduces students to recent prose fiction, with special attention paid to non-Western and non-American works.

**ENG 314**  
**Medieval Literature**  
Spring semester, alternate years. 3 semester hours. HU.  
An examination of key literary works and genres from the formative period of England’s language and literature, ranging from the Anglo-Saxon epic to Middle English romance, from Chaucer’s *Canterbury Tales* to the mystery and morality plays.

**ENG 325**  
**Professional Writing**  
Fall semester. 3 semester hours.  
This course teaches concepts, practices, and skills for communicating technical, scientific, or business-related information. Topics include understanding how people read, designing documents, incorporating graphics, writing about statistical results, rewriting, editing, and using the Internet. This course may be especially useful for non-English majors, providing them with the tools and techniques to communicate their messages effectively. Prerequisite: ENG119 or permission of professor.

**ENG 333**  
**British Romantic Literature**  
Fall semester, alternate years. 3 semester hours. HU.  
This course examines a wide range of British Romantic texts. Students read and analyze selected works against the literary, historical, and philosophical background of late eighteenth and early nineteenth century England. Representative authors include Blake, Radcliffe, Wordsworth, Wollstonecraft, Coleridge, Byron, Shelley, Keats, and DeQuincy.

**ENG 334**  
**The British Novel**  
Spring semester, alternate years. 3 semester hours. HU.  
This course surveys the rise and development of the British novel. It includes an analysis of such Eighteenth-century writers as Defoe, Sterne, Fielding, Radcliffe, and Burney; early Nineteenth-century writers such as Austen, Shelley, and Scott; such Victorian novelists as Dickens, the Bronte sisters, Eliot, Thackeray, Trollope, and Hardy; and such Modernists as Conrad, Woolf, Joyce, Forster, and Lawrence.

**ENG 344**  
**Literature And The Environment**  
Fall semester, alternate years. 3 semester hours. HU.  
This course is a comparative study of the environmental imagination as expressed in literature. By reading and discussing a wide range of literary texts, students investigate the question “What is nature?” In contrast to environmental science, environmental philosophy, or environmental policy, emphasis is placed upon the form of expression as well as the ideas presented by the various writers considered. Representative authors include Henry David Thoreau, Mary Austin, James Baldwin, Louis Owens, and Jane Hirshfield.
ENG 347  
The American Renaissance  
Fall semester, alternate years. 3 semester hours. HU.  
Students examine the extraordinary quickening of American writing in the years before the Civil War. Of central concern are the different visions of "America" these literary texts propose. Authors may include Emerson, Hawthorne, Poe, Thoreau, Child, Fuller, Douglass, Whitman, Jacobs, Melville, and Dickinson.

ENG/COM 355  
Mass Media  
Spring semester, alternate years. 3 semester hours.  
This course explores how the communication medium, whether smoke signals, newspapers, television or the Internet, influences human communication. With each change in technology, communication changes. These changes alter what it means to be human. Students must be able to understand the power of the media to better manage its influence in their personal and professional lives.

ENG 356  
American Naturalism And Realism  
Spring semester, alternate years. 3 semester hours. HU.  
Considers literary realism and naturalism in terms of its philosophy, influence, and development during the period in American culture that Mark Twain called “The Gilded Age.” Authors may include Twain, James, Jewett, Chopin, London, Norris, DuBois, Crane, Frederick, and Dreiser.

ENG 358  
Topics In Language And Literature  
On demand. 3 semester hours. HU.  
Content varies, including comparative literature topics, problems in literature topics, and language topics. This course may be taken more than once.

ENG 359  
Introduction To Language  
Fall semester, alternate years. 3 semester hours.  
Students explore language in human life. Topics to be covered include analyzing and describing languages, language and thought, language and culture, first and second language acquisition, and language change. Tools and techniques for linguistic analysis are used to examine phonetics, phonology, morphology, syntax, semantics, and pragmatics.

ENG 362  
Literary Modernism  
Fall semester, alternate years. 3 semester hours. HU.  
Students examine the major movement in Western art in the first half of the twentieth century as reflected in representative literary texts. Attention focused on the questions: What is modernism? What is its relation to naturalism and realism? How does literary art fuse with the other arts during this period? Authors may include Joyce, Stein, Pound, Eliot, Williams, Cather, Toomer, Ford, Lawrence, Woolf, Hemingway, Fitzgerald, and Faulkner.

ENG 365  
Journalism  
Fall semester. 3 semester hours.  
Providing an introduction to writing print, broadcast, and multimedia articles and producing a professional publication, this course is strongly recommended for all students participating on the student newspaper.

ENG/PHR 370  
Religion And Literature  
On demand. 3 semester hours. HU, RT.  
A study of religious issues, conflict, and hopes in modern literature. Studied works will vary from year to year, but they may include texts by authors such as Melville, Tolstoy, Hemingway, Flannery O’Connor, and John Updike. This is a writing-intensive course.

ENG 420  
Methods And Materials: Teaching English In The Secondary School  
Fall semester, alternate years. 3 semester hours.  
This seminar focuses on English pedagogy with special attention to reading and writing instruction. Students study methods for creating a classroom conducive to learning, select materials for motivational and instructional purposes, incorporate technology in classroom strategies, evaluate and assess student work, integrate the language arts with other content areas, and examine the scope and sequence of literature and writing for grades 5-12. This course strongly emphasizes practical methodologies and is the capstone course for the English education major. Corequisite: EDC420.

ENG 445  
The American Novel  
Spring semester, alternate years. 3 semester hours. HU.  
Students examine American novels from the nineteenth-century to the present. Attention is given both to the genre of the novel as well as to the individual literary works. Content varies, but representative topics include the way in which personal and national identities are shaped or defined in the fictional texts, the role of the marketplace in influencing literary practice, and the relation between American fiction and philosophy.
ENG 447
The American Short Story
Spring semester, alternate years. 3 semester hours. HU.
Students are introduced to the genre of the short story, emphasizing major American writers from the nineteenth century to the present. Particular attention is directed to historical and cultural backgrounds. Students cultivate skills in critical analysis by focusing on issues of character, plot, theme, point of view, setting, tone, style, and other literary devices as they function within the context of individual stories.

ENG 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

ENG 451
Advanced Imaginative Writing
Spring semester, alternate years. 3 semester hours.
This course offers extensive imaginative work in a broad range of genres. Students explore the creative process and challenge themselves with longer and more complex assignments than in Imaginative Writing. They experiment with points of view other than their own and with styles of writing. They also work independently to produce a significant amount of polished work in a writing portfolio. Students keep a writing journal and have considerable input into the development of assignments. Prerequisite: ENG251, or submission of writing samples and permission of professor.

ENG 452
American Poetry In The 20th-Century
Spring semester, alternate years. 3 semester hours. HU.
An in-depth study of American poetry in the twentieth-century, focusing on representative poets in the context of literary and cultural history. Representative poets include Pound, Lowell, HD, Eliot, Frost, Stevens, Williams, Oppen, Niedecker, Sexton, Rich, Kerouac, Rexroth, and Ronan. Particular emphasis is on developing and strengthening students’ skills in the close reading of poetry.

ENG 456
Studies In Drama
Fall semester, alternate years. 3 semester hours.
Students examine authors, themes, and/or movements significant in British, American, European, or world drama. It includes reading and analysis of selected plays. Focus is on variety in period, type, and technique. Content varies.

ENG 458
Major Author
On demand. 3 semester hours. HU.
Students explore, in-depth, one major writer from the British or American literary tradition. Content varies. This course can be taken a maximum of two times.

ENG 471
Studies In Shakespeare
Spring semester. 3 semester hours. HU.
Advanced study of selected Shakespeare plays, analysis of which focuses on literary, historical, theatrical, linguistic, and cultural contexts. Particular attention to providing students with a foundation in the major critical and theoretical approaches to Shakespearean drama, which is essential for those students intending to pursue a graduate education in English or to teach English on the secondary level. Prerequisites: ENG231 and one of the following: ENG271, ENG241, ENG322, or permission of professor.

ENG 490
Seminar In Literary Studies
On demand. 2-3 semester hours.
Intensive work is done in a selected area of literary studies. This course includes a major research essay or creative project. Students are encouraged to visit a research library while completing their major project.

ENG 490
Seminar In Writing
Fall semester, alternate years. 2-3 semester hours.
This seminar examines writing as a communicative art form from three points of view: creator, editor, and performer. Students submit their revised work to the student writing competition; take responsibility for the literary journal, Soliloquy; and organize the “Focus on Rocky Writers” evening, where selected works are shared with an audience. The goal of the class is to have students own and share the meaning of their lives.

ENG 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
EQUESTRIAN

EQS 100
Volunteer Experience In Therapeutic Riding
Fall semester. 1 semester hour.
All students interested in entering the therapeutic riding program must first participate in the volunteer experience. Students will volunteer in an established therapeutic riding program.

EQS 101
Introduction To Equestrian Studies
Fall semester. 3 semester hours.
The student focuses on the basic anatomy and physiology of the horse. Equine evolution, the study of various breeds, and genetics are also emphasized, along with an overview of the horse industry.

EQS 102
Equine Conformation And Selection
Spring semester. 3 semester hours.
This course focuses on equine structure and the evaluation of how structural anomalies relate to lameness. Students learn and practice selecting horses best suited for intended uses in terms of breed, structure, and temperament.

EQS 121
Fundamental Horsemanship I
Fall semester. 3 semester hours.
This class introduces the basic theories of horsemanship, the centered seat, and balanced riding. While these theories apply equally to both English and Western disciplines, only Western tack is used. Additionally, students develop strength, agility, and coordination as well as maintain their assigned horse in a show barn atmosphere with emphasis on stall maintenance and safe feeding practices.

EQS 122
Fundamental Horsemanship II
Spring semester. 3 semester hours.
This class is a continuation of Fundamental Horsemanship I and builds on those skills with further emphasis upon developing proficiency. A logical training progression is established within a variety of Western venues. The emphasis upon maintaining a healthy horse in a show barn atmosphere is continued. Prerequisite: EQS121.

EQS 201
Equine Preventive Medicine
Fall semester. 3 semester hours.
Students study common equine health practices including parasitology, diseases, pre-purchase examinations, lameness, first aid measures, and the establishment of horse health programs.

EQS 209
Principles Of Therapeutic Riding
Spring semester. 3 semester hours.
In this introductory course to therapeutic riding, students will explore the basic principles of therapeutic riding; medical terminology; physical, cognitive, and sensory impairments; and the use of safety and adaptive equipment. Interaction with therapy students, their parents, and health professionals will be stressed. Students will have the opportunity to participate in a variety of hands-on experiences.

EQS 214
Equine Judging I
Fall semester. 2 semester hours.
Students learn and actively practice the evaluation of horses and riders in various types of competition, including classes in halter, Western pleasure, and hunter under saddle. There is a strong speech and critical thinking component in this class as students learn to develop oral reasons for defending class placement.

EQS 225
Basic Colt Training I
Fall semester. 3 semester hours.
Through practical application, the student develops skills and techniques by following a logical progression of training for a two- or three-year-old colt in a stress-free atmosphere. Prerequisites: sophomore standing and EQS122.

EQS 226
Basic Colt Training II
Spring semester. 3 semester hours.
This course, a continuation of Basic Colt Training I, will cover the assessment of a colt’s capabilities and begin advanced training techniques. Prerequisites: sophomore standing and EQS225.

EQS 231
Hunter Seat Equitation I
Fall semester. 3 semester hours.
Through the development and assessment of rider and horse skill level, this course establishes a training program for starting a horse over fences. Show ring etiquette develops fundamentals for successful competition and deepens the student’s understanding of the equine industry. Prerequisite: EQS122.
EQS 232
Hunter Seat Equitation II
Spring semester. 3 semester hours.
This course is a continuation of Hunter Seat Equitation I. By furthering the skills necessary to show a hunter over fences, students gain in strength, balance, and control. Prerequisite: EQS231.

EQS 251
Fundamental Horsemanship III
Fall semester. 3 semester hours.
This course offers a continuation of the skills developed in Fundamental Horsemanship I and II with emphasis upon both equitation and training skills, including advanced lateral and collection exercises, extension and collection at all gaits with and without contact, spinning, and stopping. Students expand equitation skills through rigorous physical work with and without stirrups and through riding multiple horses. Much attention is given to skills involved in riding and the presentation of the show horse. Students are exposed to show ring etiquette, terminology, and riding styles as they work on a variety of specific events including Western riding, trail, hunter under saddle, Western pleasure, equitation, horsemanship, reining, and showmanship. This course features horses ridden in Western tack, emphasizing Western-riding strategies. Prerequisite: EQS122.

EQS 252
Fundamental Horsemanship IV
Spring semester. 3 semester hours.
This course is a continuation of Fundamental Horsemanship III featuring English tack and English riding. Students not only ride but evaluate other horse/rider combinations to develop an eye for equine talent as well as equitation skills. Prerequisite: EQS251.

EQS 300
Reproduction And Growth
Spring semester. 3 semester hours.
The student studies the anatomy and physiology of the reproduction of the horse along with endocrinology, the principles of artificial insemination, embryo transfer, genetics, breeding systems, and the care and management of breeding stock.

EQS 302
Nutrition, Stable And Ranch Management
Fall semester. 3 semester hours.
The student masters the fundamental principles of equine nutrition, learning the management skills necessary to run a successful stable, including establishing a budget and record keeping.

EQS 309
Advanced Therapeutic Riding Instructor Training
Fall semester. 2 semester hours.
All aspects of being a therapeutic riding instructor, including teaching to the appropriate therapeutic level of a student’s physical and cognitive abilities, the precautions and contra-indications to therapeutic riding, therapy student assessment and program development, and facility and therapy horse management. Students will organize and teach lessons, assign students to horses and volunteers, and maintain progress notes. Prerequisites: PEH122, EQS100, EQS209.

EQS 310
Equine Journalism
Fall semester. 3 semester hours.
The student writes articles suitable for publication in equine publications. Attention is also given to page and ad layout and ad copy.

EQS 315
Intermediate Equine Judging
Fall semester. 3 semester hours.
Students engage in and practice the evaluation of horses and riders for competition on an advanced level, including classes in trail, Western riding, reining, hunter hack, and working hunter. Students continue developing oral reasoning and presentation skills for defending class placement. Prerequisite: EQS214.

EQS 321
Advanced Horse Training I
On demand. 3 semester hours.
Students learn and practice advanced training procedures and the selection of proper horses for individual events, perfecting both the rider’s and the horse’s skills to an intermediate competitive level. Prerequisites: junior standing, EQS121, EQS122, EQS225, EQS226, EQS231, and EQS232 or permission of professor.

EQS 322
Advanced Horse Training II
On demand. 3 semester hours.
This course is a continuation of Advanced Horse Training I with a higher level of skill and expertise employed. Prerequisite: junior standing or permission of professor.

EQS 400
Advanced Reproduction
Spring semester. 3 semester hours.
The student focuses on common breeding problems such as organizing and operating a routine teasing program, natural
breeding, artificial insemination, and improving conception rates. Students engage in practical application in this course. Class is limited to six students. Prerequisite: EQS300.

**EQS 401**  
**Techniques Of Teaching Riding**  
Fall semester. 3 semester hours.  
Students practice methods of teaching riding and engage in practical experience as a tutor or aide in teaching basic equitation. The student also learns and practices the scope and sequence of planning lessons and teaching student skills. There is a strong speech component in this course. Prerequisite: EQS232.

**EQS 402**  
**Equine Marketing**  
Spring semester. 3 semester hours.  
This class is an introduction to the marketing process involved in the horse industry. The student examines consumer buying behavior, marketing channels, and promotional techniques and their role in the marketing process.

**EQS 405**  
**Advanced Techniques Of Teaching Riding**  
Spring semester. 3 semester hours.  
The student furthers his or her teaching techniques through experience as an equitation tutor or aide with an emphasis upon the development of riding activities such as clinics or riding camps. There is a strong speech component in this class. Prerequisite: EQS401.

**EQS 410**  
**Therapeutic Riding, Issues And Ethics**  
Spring semester. 2 semester hours.  
Students will focus on the administration of and teaching in a therapeutic riding program, including organization, emergency procedures, safety regulations, risk management, documentation, and written policies and procedures. Students will learn to provide proper documentation for recognized legal business structures and organization including those for corporations and 501(c)3’s as well as the standards for NARHA centers. Students with the required amount of instructional hours will be prepared to take the NARHA national registered instructor examination upon completion. This course includes a senior project.

**EQS 415**  
**Advanced Equine Judging**  
Fall semester. 3 semester hours.  
Students review the principles learned in Equine Judging I and Intermediate Equine Judging and broaden their knowledge of competition rules. They further develop their oral and thinking skills for the presentation of reasons at the intercollegiate competitive level. There may be opportunities for intercollegiate judge competition. Prerequisites: EQS214 and EQS315.

**EQS 421**  
**Advanced Horse Training III**  
On demand. 3 semester hours.  
For the furthering of training and riding skills, this course leads the student toward a more independent development of his or her own training program. Students are expected to develop, organize, and produce a training plan suited to their specific goals. Prerequisite: senior standing.

**EQS 422**  
**Advanced Horse Training IV**  
On demand. 3 semester hours.  
This course is a continuation of Advanced Horse Training III. Prerequisite: EQS421.

**EQS 450**  
**Internship**  
On demand. 1-15 semester hours. EL.  
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

**EQS 499**  
**Independent Study**  
On demand. 1-3 semester hours.  
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
ENVIRONMENTAL SCIENCES AND STUDIES

ESS 101
Introduction To Environmental Studies
Spring semester. 3 semester hours. HU.
This course explores the complexity of environmental issues as approached from the perspectives of the arts, humanities, and social sciences. Since environmental issues are inherently complex, attention is focused on how human beings perceive, understand, and respond to environmental change. Emphasis is placed on developing students’ abilities to investigate matters critically and to respond in original, thoughtful, and imaginative ways.

ESS 105
Environmental Ecology
Fall semester. 4 semester hours. NSL.
An introductory course designed for students entering the environmental sciences and studies program and for other students who would like to take an ecology lab course. Topics address the central concepts of ecology including the physical environment in which life exists. Students will explore the properties and processes of populations and communities, ecosystem dynamics, biogeography and biodiversity, as well as issues in conservation and restoration ecology. In laboratory students will apply these concepts to ecological studies in the natural environment and learn how to present their results in a scientific report. Three hours of lecture and one two-hour laboratory session per week.

ESS 115
Current Issues In Environmental Science
Fall semester. 4 semester hours. NSL.
A non-majors course designed to introduce students to the science of environmental issues. Students gain an understanding of how the natural world works and ways that science can be used to address problems concerning the environment. Emphasis will be placed on examining global and regional environmental issues relating to water, air, land, and biodiversity. Laboratory activities include the application of scientific methods for environmental assessments, as well as field trips to local facilities to illustrate how a variety of factors can be applied to improve the quality of the Yellowstone region environment. Three hours of lecture and one two-hour laboratory session per week.

ESS 207
Field Botany/Spring Wildflowers
Summer semester. 4 semester hours. NSL.
Students receive an intensive introduction to the evolutionary relationships of vascular plants and their classification. The class emphasizes plant identification based on use of taxonomic keys and focuses on angiosperm species in the Yellowstone River watershed, particularly the prairie habitats, the Pryor Mountains, the riparian habitats of the Yellowstone, and the foothills of the Beartooth Mountains. Field trips are required. This course may be taken at the lower-division level or at the upper-division level, but not both. Prerequisite: BIO112 or ESS105.

ESS 225
Energy And Society
Spring semester, alternate years. 3 semester hours. NS.
Students are introduced to the concepts of energy, power and the physical laws that control their transformations. This understanding is applied to analyze human use of energy. Issues considered include the various sources of energy and their limits, the technologies of energy conversion, the end uses of energy, and the environmental consequences of energy use.

ESS 230
Rainforest Ecology
Spring semester. 3 semester hours. NS.
This course introduces students to the concepts of population and community ecology through studies of rainforest geography, flora, and fauna. Students read scientific papers focusing on rain forest plants and animals and the complex interactions of these organisms in rainforest environments. Students discuss environmental issues such as sustainable agriculture, global cycling of air and water, and conservation biology as those issues pertain to rainforest issues today. Prerequisites: ENG119 and ENG219.

ESS 243
Environments Of Costa Rica
Spring semester, during Spring break. On demand. 2 semester hours. NSL.
This field course, which takes place in Costa Rica, provides an introduction to the complexity and diversity of tropical forest ecosystems. Lectures and field activities focus on those ecological concepts particular to rainforests, natural history walks, bird studies, field activities that explore adaptations of plants and animals to tropical ecosystems, and examination of issues of tropical conservation. Students stay at field stations in three different tropical environments – lowland rainforest, cloud forest, and seasonally dry forest.
ESS 307  
**Advanced Field Botany/Spring Wildflowers**  
Summer semester. 4 semester hours. NSL.  
Students receive an intensive introduction to the evolutionary relationships of vascular plants and their classification. The class emphasizes plant identification based on use of taxonomic keys and focuses on angiosperm species in the Yellowstone River watershed, particularly the prairie habitats, the Pryor Mountains, the riparian habitats of the Yellowstone, and the foothills of the Beartooth Mountains. Field trips are required. Students in the 300-level course will collect, identify, and prepare a greater number of plants for the herbarium. This course may be taken at the lower-division level or at the upper-division level, but not both. Prerequisite: BIO112 or ESS105.

ESS 314  
**Range Ecology**  
Fall semester, alternate years. 4 semester hours. NSL.  
Range ecology is the study of mixed grass prairies of the West and an introduction to ecological concepts applicable to that area. Topics include historical and current land use, ecosystem responses to change, methods for maintaining natural prairie habitats, the use of prairies as rangelands, and determinations of ecological conditions and trends on rangelands. The laboratory focuses on identification of common prairie plant species and their importance for both wildlife and domestic animals. Three hours of lecture and one two-hour laboratory session per week. Prerequisites: BIO112, CHM101, and either CHM102 or CHM215.

ESS 321  
**Introduction To Geographic Information Systems**  
Fall and Spring semesters. 4 semester hours. NS.  
This course introduces students to the theory and practical application of geographic information systems (GIS). Topics include fundamentals of cartography, GIS data types, data input, GIS database structure and management, analysis of spatially distributed data, and report preparations using GIS. Prerequisite: MAT100 and a previous science course.

ESS 325  
**Wetlands And Riparian Ecology**  
Fall semester, alternate years. 4 semester hours. NSL.  
The biology and chemistry of wetlands is studied in this course. Topics include the investigation of wetland structure, wetland functions, and the ecological value of wetlands. The laboratory introduces protocols for analyzing wetland plant communities and includes a field study of a wetland in the Billings community. Students learn legally acceptable methods for determining wetland boundaries. The class examines the ecology of rivers and compares differences in hydrological processes of rivers and wetlands. Three hours of lecture and one two-hour laboratory session per week. Prerequisites: BIO112, CHM101, and either CHM102 or CHM215.

ESS 330  
**Wildlife Management And Conservation**  
Spring semester, alternate years. 3 semester hours. NS.  
A multidisciplinary approach to conservation and management issues encompassing genetics to ethics. Topics include population genetics, evolutionary mechanisms, biodiversity, reserve design, and reintroduction strategies. Written reports and oral presentations required. Prerequisites: BIO112 and ESS105.

ESS 345  
**Soil Science**  
Fall semester, alternate years. 4 semester hours. NSL.  
This course provides an introduction to the physical, chemical, and biological properties of soils; soil formation and classification; nutrient cycling; and land resource planning and protection. The laboratory includes field trips. Three hours of lecture and one two-hour laboratory session per week. Prerequisites: CHM101, GEO101, and GEO104.

ESS 351  
**Montana Field Studies**  
On demand. 4 semester hours. NSL.  
An intensive field experience provides an interdisciplinary approach to exploring and solving scientific problems. Additional field fee required. Prerequisites: GEO101, GEO104, ESS105, and BIO112.

ESS 401  
**Application Of Geographic Information Systems**  
On demand. 3 semester hours.  
Application of GIS is used to produce a professional report using real world data in cooperation with a business, an industry, or a government agency. Software and projects vary from year to year. Three two-hour sessions per week. Prerequisites: ESS321 and permission of professor.

ESS 436  
**Yellowstone Ecosystems Studies**  
On demand. 4 semester hours. NSL.  
This course focuses on the ecology of Yellowstone National Park, particularly emphasizing the complex interactions of large mammals with the forest and range plant communities. Students explore the methods used by the National Park Service to establish natural resource policies and examine the Park’s scientific research priorities. Two extended weekend laboratories provide research opportunities that
include topics in winter ecology and aspects of the role of large mammals in the Yellowstone ecosystem. Additional fee required. Prerequisites: ENG119, ENG219, and BIO112.

**ESS 450**
**Internship**
On demand. 1-15 semester hours. EL.
A maximum of three semester hours can be counted towards a major in environmental studies or a major or minor in environmental science. This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. Contract is required. Prerequisites: junior or senior standing and permission of professor.

**ESS 490**
**Seminar**
On demand. 2-3 semester hours.
Selected topics in environmental sciences or environmental studies are explored.

**ESS 499**
**Independent Study**
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.

## FRENCH

**FRN 131**
**Beginning French I**
Fall semester. 4 semester hours. HU.
This is a beginning French course. Emphasis is on basic language structure, pronunciation, and simple conversation.

**FRN 132**
**Beginning French II**
Spring semester. 4 semester hours. HU.
Continuing development of basic skills with an introduction to the historical and cultural background of France.

**FRN 231**
**French Conversation And Composition**
On demand. 3 semester hours.
Selected readings on aspects of French arts and sciences with continued practice in writing and conversation. Prerequisite: FRN132 or appropriate background in French.

**FRN 250**
**Culture And Civilization**
On demand. 3 semester hours. HU.
This course provides an overview of the culture of France through representative literary works of authors from the continent. Works examined will include short stories, poetry and excerpts of longer works. The course will consider the culture and historical milieu, and students will discuss, present and write about both the literary movements and corresponding areas of art, music and popular culture. Prerequisite: FRN231 or appropriate background in French.

**FRN 301**
**The Culture And Literature Of France And Francophone Countries**
On demand. 3 semester hours. HU.
A continuation of French culture explored in FRN250, with the addition of a cultural broadening into the diversity of other francophone countries through literature, art, history and music and modern media. Students will expand their knowledge of continental French culture, then compare and contrast it to cultures around the world influenced by French: Africa, island nations (Haiti), Canada and more. Students will research an area of interest from specific countries and report to the class. Prerequisite: FRN250 or appropriate background in French.
GEOLOGY

GEO 101
Physical Geology: Earthquakes, Volcanoes, Landslides And Floods
Fall and Spring semesters. 3 semester hours. NS.
This course provides an introduction to the science of earth materials and earth systems, including the study of minerals, rocks, volcanoes, earthquakes, rock deformation and metamorphism, weathering, and erosion within the modern paradigm of plate tectonics. Special emphasis is placed on interpreting the geologic landscape of the Rocky Mountains through an understanding of Earth processes.
Three lectures and one recommended two-hour laboratory per week. Field trip. *This course fulfills a natural lab science general education requirement only if taken concurrently with GEO104.*

GEO 102
Historical Geology: The Earth And Life Through Time
Spring semester. 4 semester hours. NSL.
This course provides an introduction to interpreting Earth history and a survey of the origin and evolution of Earth’s systems and its life. Laboratory interpretation of fossils, geologic maps, and stratigraphic sections will be covered.
Three lectures and one two-hour laboratory per week. Field trip. Prerequisite: GEO101, GEO104.

GEO 104
Physical Geology Laboratory
Fall and Spring semesters. 1 semester hour.
Focus on description of the earth materials and earth systems within the framework of plate tectonic theory. Introduction to identification of minerals, rocks, geologic maps and structures. Must be taken concurrently with GEO101. Both laboratory and lecture are required of geology majors and minors along with environmental science (general and geology option) majors.

GEO 205
Earth Materials II
Spring semester. 4 semester hours. NSL.
Build on skills learned in Earth Materials I with emphasis on origin and makeup of igneous and metamorphic rocks. Recognition, description, and classification using hand specimen and optical microscopy. Textures, occurrences, and processes are also emphasized. The course provides an introduction to geologic field mapping and geochemical data. Two two-hour classes per week. Prerequisites: GEO101, GEO104, GEO204, CHM101.

GEO 209
Student Research
On demand. 2-4 semester hours.
Students complete an independent research project under the mentorship of a geology faculty member.

GEO/BIO 301
Paleontology
Fall semester. 4 semester hours. NSL.
This course explores the morphology, classification, paleoecology, biogeography and biostratigraphy of important fossil groups. Fossil collecting trips. Three hours of lectures and one two-hour laboratory per week. Prerequisite: GEO102 or BIO112 and permission of professor.

GEO 302
Stratigraphy And Sedimentology
Spring semester. 4 semester hours. NSL.
This course provides an introduction to the properties, classification, depositional environments, and diagenesis of sediments and sedimentary rocks and their stratigraphic nomenclature and correlation. Occasional field trips. Three lectures and one two-hour laboratory per week. Prerequisites: GEO102, GEO204.

GEO 310
Geomorphology
Spring semester. 4 semester hours. NSL.
Students study landforms and the processes that create them. Topics include the effects of tectonism, volcanism, and erosion and deposition by rivers, glaciers, wind, waves, and mass wasting. Field trips. Three lectures and one two-hour laboratory per week. Prerequisites: GEO101, GEO104.

GEO 311
Structural Geology And Tectonics
Fall semester. 4 semester hours. NSL.
This course provides the study of rock deformation at all scales, from microscopic analysis of fault rocks to mountain
Building processes. Topics include the classification and characterization of structural elements such as faults, folds, foliations and lineations. Emphasis is placed on methods of structural analysis including the stereographic projection, construction of accurate cross sections, and kinematic analysis. Two lectures and one three-hour laboratory per week. Final project involving synthesis of a major orogenic belt is required. Prerequisites: GEO101, GEO104, and GEO204 or concurrent enrollment in GEO204.

**GEO 320**  
**Geologic Resources And The Environment**  
Spring semester, alternate years. 4 semester hours. NSL.  
Study of the geologic processes that produce mineral, coal, crude oil and natural gas (e.g. coal-bed methane) deposits and the environmental issues associated with their extraction and use. Emphasis is placed on regional deposits with field trips to appropriate sites. Three lectures per week and field trips. Prerequisites: GEO101, GEO104.

**GEO 350**  
**Applied Field Geology**  
Summer semester. 6 semester hours.  
Geologic mapping methods are explored, including the use of aerial photographs, geologic compass, and GPS. Students will learn the preparation and interpretation of geologic maps and cross sections, and the measurement and interpretation of stratigraphic sections. A special emphasis is placed on using appropriate methods to solve a variety of complex geologic problems. Five-weeks. Additional field fee required. Prerequisites: GEO102, GEO205, GEO302, and GEO311.

**GEO 409**  
**Student Research**  
On demand. 2-4 semester hours.  
Students complete an independent research project based upon course material covering the theory, methodology, and practice of geo-science research.

**GEO 415**  
**Hydrogeology**  
Spring semester or on demand. 4 semester hours. NSL.  
Students explore the qualitative and quantitative relationships among geologic materials, geologic processes, and water. Includes precipitation, evapotranspiration, runoff, streamflow, aquifers, groundwater flow, wells, water chemistry, water quality, and contamination. Three lectures and one two-hour laboratory session per week. Prerequisites: GEO101, GEO104, and MAT175.

**GEO 450**  
**Internship**  
On demand. 1-15 semester hours. EL.  
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

**GEO 483**  
**Thesis In Geology**  
On demand. 3 semester hours.  
This course provides research in geology resulting in a formal written paper, oral presentation, and approval by faculty.

**GEO 499**  
**Independent Study**  
On demand. 1-3 semester hours.  
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
GREEK

GRK 131
Introduction to 5th-Century B.C.E. Attic Greek I
On demand. 4 semester hours. HU.
Students will learn the ancient Greek language of Thucydides, Plato, Herodotus, Homer, and the 5th-century dramatists. This course is also excellent preparation for students who wish to read New Testament (Koine) Greek.

GRK 132
Introduction to 5th-Century B.C.E. Attic Greek II
On demand. 4 semester hours. HU.
Students will continue to learn the ancient Greek language of Thucydides, Plato, Herodotus, Homer, and the 5th-century dramatists. This course is also excellent preparation for students who wish to read New Testament (Koine) Greek. Prerequisite: GRK131.

HISTORY

HST 103
History Of Civilization I
Fall semester. 3 semester hours. HU.
This course provides a survey of the origin and development of world culture, with an emphasis on basic ideas. The relevant geography of each area will be covered.

HST 104
History Of Civilization II
Spring semester. 3 semester hours. HU.
This course provides a survey of the origin and development of world culture, with emphasis on basic ideas. Relevant geography of each area will be covered.

HST 203
Reformation, Absolutism, And Enlightenment: Europe, 1500-1789
Fall semester, alternate Years. 3 semester hours. HU.
Students examine an analysis of the religious, political, and intellectual changes, which structured early modern European society. The course attempts to show the relationship of the ideas and institutions of that period to the present time. Students may take either HST203 or HST303 for credit, but not both.

HST 204
The Age Of Revolution: Europe, 1789-1914
Spring semester, alternate years. 3 semester hours. HU.
This course provides a study of the French Revolution, the Napoleonic era, the movement toward national unification in Germany and Italy, and the impact of political democracy, capitalism, socialism, and imperialism on European culture. Students may take either HST204 or HST304 for credit, but not both.

HST 211
American History I
Fall semester. 3 semester hours. HU.
This course explores a theme-focused approach to United States history from its beginning through Reconstruction. Students will consider themes such as Indian-Caucasian relations, slavery and race, religion and society, republicanism, the origins of democracy, and the Civil War.

HST 212
American History II
Spring semester. 3 semester hours. HU.
This course explores a theme-focused approach to United States history from the Gilded Age to the present. Students will consider such themes as industrialism, the rise of the state, America in the world, and reform movements.
HST/AVS 231  
Aviation History  
Spring semester. 3 semester hours. HU.  
This course outlines the evolution of aviation from early glider and balloon flights to modern jets and the space age. The course examines the multiple ways that technology advances and warfare have advanced aviation. Topics of study include specific flights, significant aviators, and particular aircraft that have improved general, commercial, and military aviation. The course discusses current developments and future trends in aviation.

HST 260  
History Of Montana  
Spring semester, alternate years. 3 semester hours. HU.  
Students explore a survey of the history of the state of Montana during the 19th- and 20th-centuries. This course may be taken either at the lower-division level or at the upper-division level, but not both.

HST 303  
Reformation, Absolutism, And Enlightenment: Europe, 1500-1789  
Fall semester, alternate years. 3 semester hours. HU.  
Students examine an analysis of the religious, political, and intellectual changes, which structured early modern European society. The course attempts to show the relationship of the ideas and institutions of that period to the present time. Students may take either HST203 or HST303 for credit, but not both.

HST 304  
The Age Of Revolution: Europe, 1789-1914  
Spring semester, alternate years. 3 semester hours. HU.  
This course provides a study of the French Revolution, the Napoleonic era, the movement toward national unification in Germany and Italy, and the impact of political democracy, capitalism, socialism, and imperialism on European culture. Students may take either HST204 or HST304 for credit, but not both.

HST 311  
History Of Western America  
Spring semester, alternate years. 3 semester hours. HU.  
The development of the American West from the first explorations to the 20th century is examined. Prerequisites: HST211, HST212, or permission of professor.

HST 313  
Europe Since 1914  
Fall semester, alternate years. 3 semester hours. HU.  
Students examine political, cultural, and economic developments in Europe from the beginning of World War I to the present. Prerequisite: a lower-division course or permission of professor.

HST 315  
Latin American History  
On demand. 3 semester hours. HU.  
This course surveys the contact of cultures, independence, and economic and cultural perspectives.

HST 317  
Archaeological Dig In Israel  
Summer semester. 6 semester hours. HU, EL.  
Students must register for 3 credits each in two of the departmental areas this course is offered in. Those areas are history, philosophy and religious thought, and sociology. Students are afforded the opportunity to participate in the archaeological excavations at Bethsaida in Israel for three weeks. They learn the techniques of excavating, recording, dating, and evaluating finds while exploring the history of the region through visits to other archaeological and Biblical sites and through daily lectures. Living accommodations are provided at an Israeli kibbutz where the students intermingle with kibbutzim, gain first-hand experience of kibbutz living, and interview people who have lived for many years in the kibbutz. Several days are spent in Jerusalem where the opportunity is provided to visit Christian sites. Students are taken to the University of Bethlehem to hear a lecture on the Arab situation and to interview Palestinian Arab students.

HST 320  
History Of England  
Fall semester, alternate years. 3 semester hours. HU.  
Students survey the history of England from Roman and Saxon times to the present day. Prerequisite: a lower-division history course or permission of professor.

HST 324  
History Of Russia  
Fall semester, alternate years. 3 semester hours. HU.  
Students survey political, social, economic, and cultural developments from the founding of the Russian state to 1917. Prerequisite: a lower-division history course or permission of professor.

HST 325  
History Of The Soviet Union  
Spring semester, alternate years. 3 semester hours. HU.  
Students examine the Bolshevik Revolution and problems of Soviet Russian history from 1917 to 1991. Prerequisite: a lower-division history course or permission of professor.
HST 327
History Of Modern Asia
On demand. 3 semester hours. HU.
Students study the major trends in the political and cultural development of Asian countries. Emphasis will be on their contact with the West and the influence of imperialism, nationalism, and communism.

HST 360
History Of Montana
Spring semester, alternate years. 3 semester hours. HU.
Students explore a survey of the history of the state of Montana during the 19th- and 20th-centuries. A research paper is required. This course may be taken either at the lower-division level or at the upper-division level, but not both.

HST 363
Recent America
Fall semester, alternate years. 3 semester hours. HU.
This course is an exploration of major currents in American society since 1945, including war, reform, the rise of welfare, civil rights, Vietnam, feminism, and conservative reaction to these issues.

HST 365
American Environmental History
Fall semester, alternate years. 3 semester hours. HU.
This course examines the interrelationship of human society and nature in American history. Topics will include ecology as it relates to European conquest of the Americas, Native American peoples, public lands policies, American national character, technological society, conservation, and the modern environmental movement. Prerequisite: HST211 or HST212.

HST/POL 409
The United States In World Affairs
Fall semester, alternate years. 3 semester hours. HU, SS.
This course studies United States foreign policy and diplomacy, including other American international activities, from 1917 to the present.

HST 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

HST 490
Seminar
Fall semester. 2-3 semester hours.
This seminar explores such topics as the methods and materials of research, trends in historical research and writing, and a survey of historiography and the philosophy of history. A major research paper is required.

HST 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
HONORS

HON 309  
Honors Proposal Development  
Fall semester. 2 semester hours.  
Working with a class mentor who will secure the assistance of specialist mentors as needed, honors students will share development problems and other common concerns in the structuring of a cogent honors project proposal. Although all participants will create and submit a proposal, only those proposals approved by the honors committee will receive funding and academic support. Non-approved proposals must be resubmitted with appropriate modifications.

HON 409  
Leadership  
Fall semester. 1 semester hour.  
A regular meeting to consider leadership issues as considered appropriate to each honors class. Corequisite: HON490.

HON 490  
Senior Honors Project  
Fall and Spring semesters. 2 semester hours.  
Seniors in the honors program must elect a total of 4 semester hours of HON490. Students will undertake senior papers or projects approved by the honors committee. Three copies of the completed paper or a description of the project are due in the office of the director of the honors program by 4 pm on the third Friday in March (November for those planning to graduate in December). Students will present their projects to the college community. Prerequisite: HON309.

HON 491  
Project Presentation Seminar  
Spring semester. 1 semester hour.  
A regular meeting of honors students preparing to deliver graded public presentations of their senior honors projects. Rehearsals, student and mentor critiques, use of audio/visual aids, and presentation techniques will constitute the foci of these workshops. Corequisite: HON490.

INTERDISCIPLINARY STUDIES

IDS 101  
Freshman Seminar  
Fall semester. 1 semester hour.  
This course introduces the freshman student to college life and academics. Topics include note taking, study techniques, test taking, time management, personal growth, and more. The course meets twice a week for the first six weeks of the semester.

IDS 105  
Humanities Enrichment  
Spring semester. 1 semester hour.  
This course introduces students to the humanities and familiarizes them with cultural opportunities in that area. Students will investigate museums, poetry, painting, live performances, reading, and music.

IDS 110  
Introduction To The Humanities  
Fall semester. 3 semester hours. HU.  
This course introduces students to the humanities through a series of basic lectures and discussions on history, mythology, philosophy, religion, drama, poetry, literature, music, art, and politics along with an emphasis on the importance of these subjects in contributing to our development as humans.

IDS 112  
Student Leadership  
Fall semester. 1 semester hour.  
This course assists student leaders in confronting campus issues and challenges. Emphasis is on student development theory, basic leadership skills, communication, and social issues. It is mandatory for resident assistants but greatly beneficial to all students in or aspiring to campus leadership roles. Recommended for ASRMC, hall council, and other club officers.

IDS 120  
College Study Skills/Developmental Reading  
Fall and Spring semesters. 2 semester hours.  
This course enables the student to master learning strategies which lead to academic success. Includes in-depth instruction in inferential, literal, and critical reading skills as well as techniques for rapid and efficient reading.
IDS 202
Career Exploration And Planning
On demand. 2 semester hours.
This class focuses on the various facets of career search and choice. Students will assess their skills, values, interests, and aptitudes to see where they fit in the world of work. Topics include information about job market trends, job search skills, resume writing, and interviewing.

IDS 220
College Newspaper
On demand. 1-3 semester hours.
Requires permission of the faculty advisor. Pass/no pass grading.

IDS 421
Methods And Materials: Teaching Social Science In The Secondary School
Fall semester. 2 semester hours.
This course emphasizes the teaching of history, political science, psychology, social studies broadfield, and sociology/anthropology at the secondary (5-12) level. Methods of teaching these subjects, reviewing texts for content appropriate to various grade levels, and the use of technology in the classroom will constitute major parts of the course. Special attention will be paid to thinking, reading, listening, writing, and speaking instruction. Teaching diverse and at-risk student populations will also be discussed. This course is the capstone course for the social studies broadfield education major. Corequisite: EDC420.

IDS 422
Methods And Materials: Teaching Natural Science In The Secondary School
Fall semester. 2 semester hours.
This course emphasizes the teaching of biology or chemistry at the secondary 5-12 level. Methods of teaching these subjects (including incorporation of active hands-on experiences), reviewing texts for content appropriate to various grade levels, and the use of technology in the classroom will constitute major parts of the course. Particular attention will be paid to thinking, reading, listening, writing, and speaking instruction. Teaching diverse and at-risk student populations will also be discussed. This course is the capstone course for the biology or chemistry education major. Corequisite: EDC420.

IDS 475
The Environment, The Individual, And Society
Spring semester, alternate years. 3 semester hours.
This course will explore the relationships among individuals, societies, and natural environments. Selected environmental issues will be discussed from a variety of perspectives (e.g., scientific, ethical, historical, economic, and philosophical). Students will examine alternative positions on these issues and will be expected to justify their own responses. This course is required for the environmental studies minor. Prerequisite: completion of 15 hours of the environmental studies minor.

IDS 490
Interdisciplinary Seminar
On demand. 2-3 semester hours.
This senior-level capstone course is designated by individual areas of study.
ITALIAN

ITN 131
Beginning Italian I
Fall semester. 4 semester hours. HU.
This course provides an introduction to Italian speech, language, culture and communication through listening, speaking, reading and writing. The approach integrates culture and language with emphasis on vocabulary acquisition and basic grammatical structures. Class work emphasizes participation, small group work and opportunities for hearing and speaking Italian.

ITN 132
Beginning Italian II
Spring semester. 4 semester hours. HU.
The course builds on foundations established in Beginning Italian I. Through the use of the four language skills – listening, speaking, reading and writing – students acquire greater proficiency in Italian vocabulary, grammar and culture. Emphasis is on oral and written expression, with a variety of learning experiences to reinforce language acquisition. Students may take this course in Italy as part of the Semester in Italy program or on campus. In Italy, native speakers in the Rocky Mountain College program teach the course, and students will experience the language in its natural, cultural setting. Additional study abroad fee will apply. Prerequisite: ITN131, permission of professor, or a placement exam in the RMC in Italy Program. If this course is taken in Italy, students will also fulfill the EL general education requirement.

ITN 133
Beginning Italian III
Spring semester. 2 semester hours. HU.
This course builds on the previous beginning language course but allows students to gain additional skill, vocabulary and ease with the language through contact with native speaker instructors. Students will acquire greater speaking and writing fluency and will use the natural laboratory of living in an Italian setting to extend their cultural literacy. Prerequisite: ITN132, permission of professor or a placement exam in the RMC in Italy Program. If this course is taken in Italy, students will also fulfill the EL general education requirement.

ITN 134
Italian Culture
Spring semester. 2 semester hours. HU.
The course is intended for students who have successfully completed Beginning Italian II at a proficiency level above that of Beginning Italian III. The course concentrates on enhancing oral and written fluency through the use of appropriate cultural experiences: cinema, theatre, and Italian literary works. Prerequisite: ITN132 and permission of professor or a placement exam in the RMC in Italy Program. If this course is taken in Italy, students will also fulfill the EL general education requirement.

ITN 211
Intermediate Italian I
On demand. 3 semester hours. HU.
Review and practice of vocabulary and grammatical structures, combined with the integrated development of proficiency in the four language skills: listening, speaking, reading and writing. Emphasis is on the expansion of cultural literacy and functional vocabulary and grammar through reading, discussion and practical application. Class materials will include culturally authentic resources. Prerequisite: ITN132, ITN133 or ITN134 or permission of professor.

ITN 212
Intermediate Italian II
On demand. 3 semester hours. HU.
Continued review, expansion and practice of vocabulary and grammatical structures studied in ITN211. Through increasingly advanced readings and discussions, students will expand their cultural understanding and proficiency in using the language. Prerequisite: ITN211 or permission of professor.
INTERDISCIPLINARY SCIENCE

ITS 215
Contemporary Astronomy
On demand. 3 semester hours. NS.
An introductory course in the chronological development of knowledge of “what’s out there.” Particular emphasis will be placed on the structure of our solar system and our galaxy. The difficulty in the development of a historical-cultural viewpoint will be examined. Questions dealing with the existence of intelligent life in the universe will be discussed. Prerequisite: one course in high school or college chemistry or physics.

MATHEMATICS

MAT 090
Refresher Math: Algebra
Fall and Spring semesters. 0 semester hours.
A developmental course in elementary algebra designed to prepare students for college algebra.

MAT 100
College Algebra
Fall and Spring semesters. 3 semester hours. MA1.
This is a basic course in intermediate and advanced algebra. Prerequisite: satisfactory score on a placement exam.

MAT 102
Mathematical Applications
Fall and Spring semesters. 3 semester hours. MA1.
This course, designed for the non-math major or minor, explores applications of mathematics in a variety of disciplines. Prerequisite: satisfactory score on a placement exam.

MAT 103
Mathematics For Elementary School Teachers I
Fall semester. 3 semester hours. MA1.
A survey of various mathematical topics normally taught in grades K – 8, specifically: numeration systems, number theory, patterns and relationships, and fractions. This course is intended for elementary education students only. Students must earn a grade of “C-” or better to fulfill requirements for the elementary education program. Prerequisite: MAT100 or satisfactory score on a placement exam. NOTE: Only one of the courses, MAT103 or MAT104, can be used to satisfy the mathematics general education requirement.

MAT 104
Mathematics For Elementary School Teachers II
Spring semester. 3 semester hours. MA2.
A survey of various mathematical topics normally taught in grades K – 8, specifically: probability and statistics, geometric basic concepts and structures, measurement, and coordinate geometry. This course is intended for elementary education students only. Students must earn a grade of “C-” or better to fulfill requirements for the elementary education program. Prerequisite: MAT100 or satisfactory score on a placement exam. NOTE: Only one of the courses, MAT103 or MAT104, can be used to satisfy the mathematics general education requirement.

MAT 110
Elementary Functions
Fall and Spring semesters. 3 semester hours. MA1.
A standard pre-calculus course emphasizes the function concept. Special attention is paid to trigonometric, exponential, and logarithmic functions. Analytical geometry may also be discussed. Prerequisite: MAT100 or satisfactory score on a placement exam.

MAT 175
Introductory Calculus I
Fall semester. 5 semester hours. MA2.
This course provides a study of the functions of one real variable and includes a brief review of the circular functions. The ideas of limit, continuity, and differentiation are explained and applied to physical problems. Topics include use of the mean-value theorem in approximations, problem solving, and introduction to mathematical proof. The use of graphing calculators is required. Prerequisite: MAT100 or satisfactory score on a placement exam or MAT110.

MAT 176
Introductory Calculus II
Spring semester. 5 semester hours. MA2.
Continuing the study of the functions of one real variable, the idea of integration is explained and applied to physical problems. Introduction to mathematical proofs is explored. The use of graphing calculators is required. Prerequisite: MAT175.

MAT 201
Intermediate Calculus I
Fall semester. 3 semester hours. MA2.
Continuing on the foundations of Introductory Calculus I and II, the algebra of vectors is introduced. Sequences and infinite series are studied, along with convergence tests. Increasing emphasis on mathematical proofs, modeling of physical problems, error estimation, and Taylor’s theorem. Prerequisite: MAT176.
MAT 202
Intermediate Calculus II
Spring semester. 3 semester hours. MA2.
This course is a continuation of Intermediate Calculus II. Vector functions of one or more real variables, scalar functions of several variables, multiple integration, and surface theory via vectors are among the topics studied. Increasing emphasis on mathematical proofs, the modeling of physical problems, error estimation, and the analysis of geometrical problems in higher dimensional space will be considered. Prerequisite: MAT201.

MAT 210
Probability And Statistics
Fall or Spring semester, and Summer semester. 3 semester hours. MA2.
This course provides a non-calculus-based study of discrete probability theory and its statistical applications. Use of permutations and combinations in computing the probability of discrete events is explored. Distribution theory and its applications in hypothesis testing and setting confidence intervals is discussed. Prerequisite: MAT100 or satisfactory score on a placement exam.

MAT 211
Linear Algebra
On demand. 3 semester hours. MA2.
This course introduces the study of matrices, determinants, systems of linear equations, and transformations. Vector space theory is the unifying theme for this mathematical structure. The computational aspect, both theoretical and applied, is emphasized. Prerequisite: MAT175.

MAT 212
How To Read And Write Proofs
Spring semester, alternate years. 3 semester hours. MA2.
Students are introduced to the different methods of mathematical proofs. Emphasis is placed on critical reading of proofs and the ability to correct errors as well as on writing correct proofs. This course is designed as a precursor to advanced math courses and should be taken during the sophomore year. Prerequisite: MAT175.

MAT 215
Operations Research
On demand. 3 semester hours. MA2.
The analytic theory of decision-making in the face of uncertainty; and the use of operational research or game theory methods applied to model building and the design of experiments. Prerequisite: MAT210 or permission of professor.

MAT 219
Graph Theory
On demand. 3 semester hours. MA2.
Topics include paths, Euler and Hamiltonian problems, planar graphs, trees, directed and undirected graphs, networks, and connectedness. Applications to various disciplines will be included. Computational algorithms will be developed as appropriate. Prerequisite: MAT100 or satisfactory score on a placement exam.

MAT 220
Elementary Number Theory
Fall semester, alternate years. 3 semester hours. MA2.
Topics include axiomatic development of the positive integers, construction of the real number system, and study of equations with integral solutions. Divisibility properties, Diophantine and Pell’s equations, prime numbers, and the analysis of congruencies will be studied. Prerequisite: MAT175.

MAT 300
Mathematical Thought
On demand. 2 semester hours. MA2.
This course provides students an introduction to mathematics with an emphasis on logical analysis.

MAT 306
History And Philosophy Of Mathematics
Spring semester, alternate years. 3 semester hours. MA2.
This course provides a survey of mathematicians of historical note, including their motivations and studies. Students will also examine classical problems and how they were solved. Unsolved problems in mathematics will be discussed. Prerequisite: MAT175.

MAT/PHR 307
Symbolic Logic
Spring semester, alternate years. 3 semester hours. MA2, HU.
Students are introduced to logical argument and analysis by use of Boolean algebra. Construction of truth tables and Venn Diagrams and their use to analyze complex statements, application to the design of electrical circuits that respond to logical commands, and axiomatic systems will be examined. Completeness and consistency of systems are discussed. Prerequisite: permission of professor.

MAT 310
Mathematical Statistics
Fall semester, alternate years. 3 semester hours. MA2.
Estimation, decision theory, testing hypotheses, relationships in a set of random variables, basic model and design theory, and Stochastic processes are examined. Prerequisite: MAT175.
MAT 312
Modern Geometric Theories
Fall semester, alternate years. 3 semester hours. MA2. This course provides a study of Euclidean and non-Euclidean geometries. Prerequisites: MAT175 and MAT212 or permission of professor.

MAT 313
Differential Equations I
Fall semester, alternate years. 3 semester hours. MA2. This course examines analytic, numerical, and geometric techniques for solving first-order differential equations; bifurcations of first-order autonomous differential equations; second-order differential equations, with emphasis on the harmonic oscillator; eigenvalue/eigenvector and geometric methods for linear systems with constant coefficients; equilibrium point analysis of nonlinear systems. Applications from biology, physics, and economics are presented. Prerequisite: MAT202.

MAT 314
Differential Equations II
Spring semester, alternate years. 3 semester hours. MA2. Topics such as forced harmonic oscillator, Laplace transforms, series solution methods, linear and nonlinear systems of dimension 3 or greater will be explored. Partial differential equations will be introduced. Applications and use of a computer in solving differential equations will be emphasized. Prerequisite: MAT313.

MAT 315
Vector Analysis
Spring semester, alternate years. 2 semester hours. MA2. This course is a standard course in vectors. Subjects covered will include Green’s divergence and Stokes’ theorems, differential geometry, topics from surface theory, and tensor analysis. Applications to physical theory will be emphasized. Prerequisite: MAT202.

MAT 316
Complex Variables
Spring semester, alternate years. 3 semester hours. MA2. This is a basic undergraduate course in complex variables. Topics will include analytic functions, Cauchy’s integral formula, the residue calculus, and conformal mapping. Prerequisite: MAT202.

MAT 317
Abstract Algebra I
Fall semester, alternate years. 3 semester hours. MA2. This course provides an introduction to algebraic structures via group theory. Students explore a careful development of the concept of a group and their elementary properties. Emphasis is placed on creating mathematical proofs. Some applications to physical problems are included. Prerequisites: MAT201 and MAT212.

MAT 318
Abstract Algebra II
Spring semester, alternate years. 3 semester hours. MA2. This course is an extension of Abstract Algebra I, with ring, ideal, and field theory introduced and examined. Some Galois theory may be covered. Prerequisite: MAT317.

MAT 325
Combinatorics
On demand. 3 semester hours. MA2. This basic course in enumerative combinatorics emphasizes developing combinatorial reasoning skills and applying these to solve problems in various areas of math and computer science. Topics covered will include basic counting principles, generating functions, recurrence relations, the principle of inclusion/exclusion, estimation, and modeling. Prerequisite: MAT219 or permission of professor.

MAT 400
Advanced Calculus I
Fall semester, alternate years. 3 semester hours. MA2. A standard senior course in advanced calculus. Topics include elementary topology, integration, convergence, differentiation, applications to geometry and analysis, and elements of differential geometry. Prerequisite: MAT202.

MAT 401
Advanced Calculus II
Spring semester, alternate years. 3 semester hours. MA2. A standard senior course in advanced calculus. Topics include elementary topology, function theory, integration, convergence, differentiation, applications to geometry and analysis, elements of differential geometry. Prerequisite: MAT400.

MAT 422
Methods And Materials: Teaching Mathematics, Grades 5 – 12
On demand. 2 semester hours. Methods of teaching mathematical content appropriate for grades 5 - 12 will be explored. Appropriate use of technology and implications of current research in mathematics education will be discussed. Current NCTM curriculum standards will be used as the foundation of the course. Prerequisite: MAT201, Corequisite: EDC420.
MAT 450  
**Internship**  
On demand. 1-15 semester hours. EL.  
An internship in mathematics arranged between a member of the math faculty and the student. The internship will satisfy general education requirements but will not count as part of the minimum number of credits required in the major. The requirements will be based on the number of credits. Contract is required. Prerequisites: junior or senior standing and permission of professor.

MAT 481  
**Elements Of Real Variable Theory**  
On demand. 3 semester hours. MA2.  
Students experience a typical course in the analysis of real variables. Prerequisite: MAT492 or permission of professor.

MAT 490  
**Seminar**  
On demand. 2-3 semester hours.  
Selected topics in mathematics are explored. Prerequisite: permission of professor.

MAT 492  
**Topology I**  
Fall semester, alternate years. 3 semester hours. MA2.  
This course is a careful study of point-set topology. Students explore the development of the structure of topological spaces by postulational approach to neighborhood of a point concept. Open and closed sets will be examined in detail, along with bases and sub-bases. Prerequisites: MAT201 and MAT212.

MAT 493  
**Topology II**  
Spring semester, alternate years. 3 semester hours. MA2.  
A continuation of MAT492 with the ideas of connectedness and compactness studied. Applications to real analysis will be given by a detailed study of metric spaces. Prerequisite: MAT492.

MAT 499  
**Independent Study**  
On demand. 1-3 semester hours.  
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
MUS 020
**Recital Attendance**
Fall and Spring semesters. 0 semester hours.
Music majors and minors are required to attend all departmental recitals throughout their program of study. Music majors and minors enrolled in MUS111, MUS112, MUS201, and MUS202 co-enroll in MUS020. Written reviews are required.

MUS 030
**Junior Recital**
Fall and Spring semesters. 0 semester hours.
Junior recital.

MUS 040
**Senior Recital**
Fall and Spring semesters. 0 semester hours.
Senior recital.

MUS 100
**Elements Of Music**
Fall semester. 2 semester hours.
This course provides an introduction to the fundamentals of music, including basic music reading (notation), rhythm, meter, and harmony. Not open to music majors.

MUS 101
**Introduction To Music**
On demand. 3 semester hours. FA.
This course provides a listening approach for the understanding of musical styles, forms, and functions within Western society.

MUS 111
**Theory I**
Fall semester. 4 semester hours. FA.
This course examines the fundamental elements of music--melodic, rhythmic, harmonic--through hearing, playing and writing of theoretical material. Aural perception of scales, intervals, and rhythmic patterns is developed.

MUS 112
**Theory II**
Spring semester. 4 semester hours.
This course examines the fundamental elements of music--melodic, rhythmic, harmonic--through hearing, playing, and writing of theoretical material. Aural perception of scales, intervals, and rhythmic patterns is developed further. Prerequisite: MUS111.

MUS 140
**Introduction To Music Of The World’s Peoples**
On demand. 3 semester hours. FA.
This course is an aural survey of music from several traditional societies found around the globe. Students use musical examples as a foundation for the discussion of a variety of cultural, political, and environmental issues.

MUS 153
**Beginning Group Guitar**
Spring semester, alternate years. 1 semester hour.
Group guitar is designed to acquaint the student with the basic knowledge of fretted guitar performance. Emphasis is placed on learning to tune and care for the instrument and acquiring the basic skills necessary to accompany folk songs and children’s songs.

MUS 201
**Music Through The Centuries I**
Fall semester. 3 semester hours. FA.
This course provides a study of Western music history and literature from the medieval world through the cultural milieu of the Renaissance and Baroque eras.

MUS 202
**Music Through The Centuries II**
Spring semester. 3 semester hours. FA.
This course provides a study of Western music history and literature from the Rococo through contemporary compositional trends.

MUS 204
**History Of Jazz**
On demand. 2 semester hours. FA.
Students examine the evolution of jazz from its roots to contemporary trends. This course may be taken either at the lower-division level or at the upper-division level, but not both.

MUS 205
**History Of Rock**
On demand. 2 semester hours. FA.
Students study rock and roll, from its roots in blues through its social and musical evolution to the present day. Period context, performer personality, and extensive recorded examples constitute the course content. This course may be taken either at the lower-division level or at the upper-division level, but not both.
MUS 211
Theory III
Fall semester. 4 semester hours.
Students are trained in more advanced melodic, harmonic, and rhythmic aspects of music through hearing, playing, and writing. Further ear training and sight singing of scales, harmonies, and intricacies occurs. Prerequisite: MUS112.

MUS 212
Theory IV
Spring semester. 4 semester hours.
Students are trained in more advanced melodic, harmonic, and rhythmic aspects of music through hearing, playing, and writing. Further ear training and sight singing of scales, harmonies, and intricacies occurs. Prerequisite: MUS211.

MUS/ART 215
Creativity
Fall semester, alternate years. 3 semester hours. FA.
This course approaches creativity as a skill to develop, not as some magical gift bestowed on a few select people. The last three weeks of the course will be devoted to a large-scale project in the area chosen by the student at the time of registration. Two important elements of the course involve a specific style of journaling and a weekly artist date. Through the activities in this course, students will bring a higher degree of creativity to their daily lives. This course may be taken either at the lower-division level or at the upper-division level, but not both.

MUS 221
Accompanying I
On demand. 1 semester hour.
This course is a survey of the history of accompanying, providing practical experience with vocal and instrumental repertoire.

MUS 222
Accompanying II
On demand. 1 semester hour.
This course continues the survey of the history of accompanying, providing practical experience with vocal and instrumental repertoire. Prerequisite: MUS221.

MUS 251
Applied Music
Fall semester. 1-2 semester hours.
Private instruction is offered in voice, piano, organ, composition, conducting, and other instrumental areas. All courses require a minimum of 14 private half-hour meetings per semester with the instructor. Credit for one lesson per week for 30 minutes with six 30-minute practice sessions per week is equal to one semester hour. Credit for two lessons per week with six 30-minute practice sessions is equal to two semester hours.

MUS 252
Applied Music
Spring semester. 1-2 semester hours.
Private instruction is offered in voice, piano, organ, composition, conducting, and other instrumental areas. All courses require a minimum of 14 private half-hour meetings per semester with the instructor. Credit for one lesson per week for 30 minutes with six 30-minute practice sessions per week is equal to one semester hour. Credit for two lessons per week with six 30-minute practice sessions is equal to two semester hours.

MUS 261
Piano Class
Fall semester. 1 semester hour.
Beginning group piano instruction is designed for the music major with no previous piano experience.

MUS 262
Piano Class
Spring semester. 1 semester hour.
Beginning group piano instruction is designed for the music major with no previous piano experience.

MUS 271
Concert Choir
Fall semester. 1 semester hour.
The Rocky Mountain College Choir is dedicated to the study and performance of choral literature. Repertoire will be selected from the history of Western choral music as well as contemporary literature and music from a global perspective. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 272
Concert Choir
Spring semester. 1 semester hour.
The Rocky Mountain College Choir is dedicated to the study and performance of choral literature. Repertoire will be selected from the history of Western choral music as well as contemporary literature and music from a global perspective. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.
MUS 275  
**Opera Workshop**  
Fall semester. 2-3 semester hours.  
Students are involved with the production of chamber opera and opera scenes. Participation in all facets of production is included.

MUS 276  
**Opera Workshop**  
Spring semester. 2-3 semester hours.  
Students are involved with the production of chamber opera and opera scenes. Participation in all facets of production is included.

MUS 283  
**Concert Band**  
Fall semester. 1 semester hour.  
The Concert Band is a group of students with a like interest in studying, rehearsing, and performing significant band repertoire and performing for athletic events. Band members rehearse three times each week and present performances throughout the year. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 284  
**Concert Band**  
Spring semester. 1 semester hour.  
The Concert Band is a group of students with a like interest in studying, rehearsing, and performing significant band repertoire and performing for athletic events. Band members rehearse three times each week and present performances throughout the year. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 286  
**Jazz Ensemble**  
Fall semester. 1 semester hour.  
The jazz ensemble is dedicated to the study and performance of jazz literature and jazz improvisation. Repertoire will be selected from the global history of jazz. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles. Membership is by permission of professor.

MUS 287  
**Jazz Ensemble**  
Spring semester. 1 semester hour.  
The jazz ensemble is dedicated to the study and performance of jazz literature and jazz improvisation. Repertoire will be selected from the global history of jazz. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles. Membership is by permission of professor.

MUS 291E  
**Field Practicum: Elementary School**  
On demand. 1-3 semester hours.  
This course provides practical field experience in the elementary school. Each semester hour requires 40 hours of experience. Students will keep a journal and write a report on the experience. This experience may be completed during the semester on a part-time basis or during the January break or May term on a full-time basis. Part-time experience is recommended.

MUS/EDC 291S  
**Field Practicum: Secondary School**  
Fall and Spring semesters. 1 semester hour.  
This course provides practical field experience in a secondary school. Each credit hour requires 40 hours of experience. Students must complete the practicum during the fall or spring semester over a period of between 10-14 weeks. Students must complete a field practicum before they can be admitted to the teacher education program. Sophomore standing is required.

MUS 293  
**Symphony Orchestra**  
Fall semester. 1 semester hour.  
Students participate in the Billings Symphony Orchestra under college supervision. Admission is only by audition and by contract with the Symphony.

MUS 294  
**Symphony Orchestra**  
Spring semester. 1 semester hour.  
Students participate in the Billings Symphony Orchestra under college supervision. Admission is only by audition and by contract with the Symphony.

MUS 295  
**Chamber Ensemble**  
Fall semester. 1 semester hour.  
Selected groups such as brass, woodwind, string, vocal, instrumental, piano, percussion, or other mixed combinations form with the intention of performing a specific musical genre.
MUS 296  
Chamber Ensemble  
Spring semester. 1 semester hour.  
Selected groups such as brass, woodwind, string, vocal, instrumental, piano, percussion, or other mixed combinations form with the intention of performing a specific musical genre.

MUS 304  
History Of Jazz  
On demand. 2 semester hours. FA.  
For music majors. Students examine the evolution of jazz from its roots to contemporary trends. This course may be taken either at the lower-division level or at the upper-division level, but not both.

MUS 305  
History Of Rock  
On demand. 2 semester hours. FA.  
For music majors. Students study rock and roll from its roots in blues through its social and musical evolution to the present day. Period context, performer personality, and extensive recorded examples constitute the course content. This course may be taken either at the lower-division level or at the upper-division level, but not both.

MUS 311  
Counterpoint I  
On demand. 2 semester hours.  
This course emphasizes the reading and writing of polyphony, based upon sixteenth-century contrapuntal techniques. Prerequisite: MUS112.

MUS 312  
Counterpoint II  
On demand. 2 semester hours.  
This course emphasizes the reading and writing of polyphony, based upon eighteenth-century contrapuntal techniques. Prerequisite: MUS112.

MUS/ART 315  
Creativity  
Fall semester, alternate years. 3 semester hours. FA.  
This course approaches creativity as a skill to develop, not as some magical gift bestowed on a few select people. The last three weeks of the course will be devoted to a large-scale project in the area chosen by the student at the time of registration. Two important elements of the course involve a specific style of journaling and a weekly artist date. Through the activities in this course, students will bring a higher degree of creativity to their daily lives. This course may be taken either at the lower-division level or at the upper-division level, but not both.

MUS 319  
Pedagogy Of Voice  
Spring semester, alternate years. 2 semester hours.  
Use of the singing voice; basic principles of singing, physiology of breathing, tone production, resonance, diction; application of basic principles to the singing voice; pronunciation, articulation, intonation, attack of tone, legato and sostenuto, flexibility, and dynamics.

MUS 325  
Instrumental Methods I  
Fall semester, alternate years. 3 semester hours.  
This laboratory course examines the elements of playing and teaching all woodwind, brass, percussion and standard orchestral strings. Literature and materials suitable for use in the elementary schools will be examined. Prerequisite: permission of professor.

MUS 326  
Instrumental Methods II  
Spring semester, alternate years. 3 semester hours.  
This laboratory course examines the elements of playing and teaching all woodwind, brass, percussion and stand orchestral strings. Literature and materials suitable for use in the elementary schools will be examined. Prerequisite: permission of professor.

MUS/EDC 344  
Methods And Materials: Teaching General Music In The Elementary School  
Spring semester. 2 semester hours.  
This course provides a study of trends in philosophy, curriculum and program development, traditional instructional materials, Orff/Kodaly, and other innovative teaching techniques for elementary school and early childhood general music. Prerequisites: MUS100, K-12 music education major status, or permission of professor.

MUS 351  
Applied Music  
Fall semester. 1-2 semester hours.  
Private instruction is offered in voice, piano, organ, composition, conducting, and other instrumental areas. All courses require a minimum of 14 private half-hour meetings per semester with the instructor. Credit for one lesson per week for 30 minutes with six 30-minute practice sessions per week is equal to one semester hour. Credit for two lessons per week with six 30-minute practice sessions is equal to two semester hours.
MUS 352  
**Applied Music**  
Spring semester. 1-2 semester hours.  
Private instruction is offered in voice, piano, organ, composition, conducting, and other instrumental areas. All courses require a minimum of 14 private half-hour meetings per semester with the instructor. Credit for one lesson per week for 30 minutes with six 30-minute practice sessions per week is equal to one semester hour. Credit for two lessons per week with six 30-minute practice sessions is equal to two semester hours.

MUS 371  
**Concert Choir**  
Fall semester. 1 semester hour.  
The Rocky Mountain College Choir is dedicated to the study and performance of choral literature. Repertoire will be selected from the history of Western choral music as well as contemporary literature and music from a global perspective. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 372  
**Concert Choir**  
Spring semester. 1 semester hour.  
The Rocky Mountain College Choir is dedicated to the study and performance of choral literature. Repertoire will be selected from the history of Western choral music as well as contemporary literature and music from a global perspective. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 375  
**Opera Workshop**  
Fall semester. 2-3 semester hours.  
Students are involved with the production of chamber opera and opera scenes. Participation in all facets of production is included.

MUS 376  
**Opera Workshop**  
Spring semester. 2-3 semester hours.  
Students are involved with the production of chamber opera and opera scenes. Participation in all facets of production is included.

MUS 383  
**Concert Band**  
Fall semester. 1 semester hour.  
The Concert Band is a group of students with a like interest in studying, rehearsing, and performing significant band repertoire and performing for athletic events. Band members rehearse three times each week and present performances throughout the year. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 384  
**Concert Band**  
Spring semester. 1 semester hour.  
The Concert Band is a group of students with a like interest in studying, rehearsing, and performing significant band repertoire and performing for athletic events. Band members rehearse three times each week and present performances throughout the year. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles.

MUS 386  
**Jazz Ensemble**  
Fall semester. 1 semester hour.  
The jazz ensemble is dedicated to the study and performance of jazz literature and jazz improvisation. Repertoire will be selected from the global history of jazz. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles. Membership is by permission of professor.

MUS 387  
**Jazz Ensemble**  
Spring semester. 1 semester hour.  
The jazz ensemble is dedicated to the study and performance of jazz literature and jazz improvisation. Repertoire will be selected from the global history of jazz. Although there is no prerequisite, students are expected to have had prior high school or collegiate experience in performing ensembles. Membership is by permission of professor.

MUS 393  
**Symphony Orchestra**  
Fall semester. 1 semester hour.  
Students participate in the Billings Symphony Orchestra under college supervision. Admission is only by audition and by contract with the Symphony.

MUS 394  
**Symphony Orchestra**  
Spring semester. 1 semester hour.  
Students participate in the Billings Symphony Orchestra under college supervision. Admission is only by audition and by contract with the Symphony.
MUS 395
Chamber Ensemble
Fall semester. 1 semester hour.
Selected groups such as brass, woodwind, string, vocal, instrumental, piano, percussion, or other mixed combinations form with the intention of performing a specific musical genre.

MUS 396
Chamber Ensemble
Spring semester. 1 semester hour.
Selected groups such as brass, woodwind, string, vocal, instrumental, piano, percussion, or other mixed combinations form with the intention of performing a specific musical genre.

MUS 402
Conducting
Fall semester, alternate years. 3 semester hours.
This course provides an introduction to the fundamentals of baton technique; choral, orchestral, and symphonic score reading; and choral and instrumental rehearsal and conducting techniques. Prerequisite: MUS212.

MUS 406
Choral Literature
On demand. 3 semester hours.
This course examines selected sacred and secular works of the choral repertoires. Emphasis is placed upon the practical realization of the works studied. Prerequisites: MUS212 and permission of professor.

MUS 415
Methods And Materials: Teaching Music In The Secondary School
Spring semester, alternate years. 3 semester hours.
This course explores the philosophy, methodology, and materials for teaching band, orchestral, choral, and general music at the secondary level. Seminar-style course discussing varied topics, including discipline, professionalism, budgets, programming, marching band, jazz ensemble, choirs, general music classes, and other aspects of running a music program. Prerequisites: MUS212, MUS325, and MUS326.

MUS 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

MUS 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
NATIVE AMERICAN STUDIES

NAS 110
Introduction To Native American Studies
Fall semester. 3 semester hours. SS.
This course is a survey of American Indian history, culture and contemporary issues. A special emphasis will be placed on key federal policies affecting Native Americans, the diversity among tribal nations’ resources, cultures and systems of self-government.

NAS 212
Native American Arts
Spring semester. 3 semester hours. FA.
The students will explore the nature and expression of American Indian aesthetics, from aboriginal times (pre-contact) to contemporary eras. Students will examine regalia, music, dance, drama, photography and the arts (drawing, painting and traditional art forms).

NAS/ENG 223
Introduction To Native American Literature
Spring semester. 3 semester hours. HU.
An examination of selected literature produced by such Native American writers as Momaday, Welch, Erdrich, McNickel, Silko, and others. Students will consider issues of genre, history, and politics as they relate to American literature. Special emphasis is given to the oral tradition and its relationship to contemporary American writing.

NAS 270
Native American History
Fall semester. 3 semester hours. HU.
Students are introduced to the history of Native America. Special emphasis will be given to the historic eras in American Indian history. Students will explore tribal nations historic initiatives, and colonial, federal and state policy development, impacts on Indian people, and the American Indian role in key social movements in the United States.

NAS 370
Special Problems In Native American Studies
On demand. 3 semester hours. SS.
Students investigate, in depth, an aspect of American Indian affairs. Various topics may include American Indian literature, history, art, anthropology or education.

NAS 450
Internship
On demand. 1-15 semester hours. EL.
This course enables students to gain valuable experience within an agency, organization or business serving American Indian people, business or natural resources. The internship may be for 3 semester credits and must have both faculty and workplace supervision and evaluation. The student must arrange the internship in agreement with the instructor and the office of career services. Contract is required. Prerequisites: junior or senior standing and permission of professor.

NAS 486
Topics In Native American Literature
Spring semester, alternate years. 3 semester years. HU.
Students will undertake an advanced study of writing produced by Native American authors. Topics of inquiry will include fiction, nonfiction, ethno history, poetry, drama, and film.

NAS 490
Senior Seminar
On demand. 2-3 semester hours.
This course emphasizes research and documentation in the exploration of historical or contemporary issues in Indian Country. This course will be arranged based on the students major field of study and expertise of the Native American Studies faculty members.

NAS 499
Independent Study
On demand. 3 semester hours.
The student undertakes a specialized topic of inquiry of a selected area of Native American Studies under the supervision of the faculty. Students should be a Native American studies minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
PHYSICAL EDUCATION AND HEALTH

PEH 100
Varsity Sports
Fall and Spring semesters. 1 semester hour. HL2.
Students can elect to obtain credit for conditioning/participation in varsity sports.

PEH 101
Physical Education Activity
Fall semester. 1 semester hour. HL2.
Select from aerobics, backpacking, badminton, canoeing, cardio resistance training, kayaking, dance, fitness, fly fishing, golf, recreational horseback riding, rock climbing, skiing, swimming, team sports, tennis, weight training, wilderness navigation, and yoga. A specific activity may be taken twice for credit. Pass/no pass. No more than 8 PEH activity credits may count toward graduation. This rule does not apply to activities required in a PEH major.

PEH 102
Physical Education Activity
Spring semester. 1 semester hour. HL2.
Select from aerobics, backpacking, badminton, canoeing, cardio resistance training, kayaking, dance, fitness, fly fishing, golf, recreational horseback riding, rock climbing, skiing, swimming, team sports, tennis, weight training, wilderness navigation, and yoga. A specific activity may be taken twice for credit. Pass/no pass. Conditioning classes for varsity sports will not fulfill the activity general education requirement. No more than 8 PEH activity credits may count toward graduation. This rule does not apply to activities required in a PEH major.

PEH 105
Professional Activities I
Fall semester, alternate years. 2 semester hours.
This course is designed to introduce and direct students in attaining levels of proficiency in the following team-sports activities: soccer, team-handball, speedball, basketball, softball, and volleyball. Students will be expected to show increases in, and will be assessed on, their level of skill, knowledge of rules, and application of strategies within each activity.

PEH 106
Professional Activities II
Spring semester. 2 semester hours.
This course is designed to introduce and direct students toward a level of proficiency in the following individual sport activities: tennis, badminton, racquetball, pickleball, squash, and various outdoor recreational activities. Students will be expected to show increases in, and will be assessed on, their level of skill, knowledge of rules, and application of strategies within each activity.

PEH 107
Professional Activities III
Fall semester, alternate years. 2 semester hours.
This course is designed to introduce and direct students toward a level of proficiency in the following life-time and fitness activities: orienteering, ultimate frisbee, cooperative activities, American Indian and multi-cultural games, fitness testing, and educational gymnastics. Students will be expected to show increases in, and will be assessed on, their level of skill, knowledge of rules, and application of strategies within each activity.

PEH 110
Introduction To Physical Education
Fall semester. 2 semester hours.
This course provides an introduction to the discipline and profession of exercise science, including exploration of career opportunities possible with physical education training.

PEH 115
Introduction To Wellness Concepts
Fall and Spring semesters. 1 semester hour. HL1.
Becoming fit and well affects the quality of one’s life. Through class sessions and activity labs, students will evaluate their fitness and plan for and initiate change in their exercise habits. Additional topics include nutrition and weight management, risk factor analysis and control, and major wellness concerns. This course is a general education requirement.

PEH 122
First Aid/CPR/Safety Education
Fall semester. 2 semester hours.
Considers the procedures and practices for emergency care in the case of accident or sudden illness. Develops awareness of safety and accident prevention. Students will be certified in first aid through the American Red Cross and will be certified in CPR through the American Heart Association.

PEH 181
Athletic Training Field Practicum
Fall semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisite: PEH222 (may be taken concurrently).
PEH 182
Athletic Training Field Practicum
Spring semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisite: PEH222 (may be taken concurrently).

PEH 204
Foundations Of Human Structure And Function
Spring semester. 4 semester hours.
Students examine the basic foundations and functions of the human body, including the skeleton, musculature, nervous system, cardiovascular system, and digestive and respiratory systems. Lab experiences focus on the nomenclature, structure, and function of these systems.

PEH 210
Health And Wellness
Fall semester. 4 semester hours.
Topics studied include community/environmental health, consumer issues, death and dying, healthy lifestyles, infectious diseases, medical ethics, psychological health, risk factor management, sexuality; and substance abuse.

PEH 211
Nutrition
Spring semester. 3 semester hours.
This course studies the essential nutrients and their principal sources and functions; the assessment, analysis, and modification of dietary intake; and the relationship of nutrition to fitness and to the stages of the life cycle. This is not a chemistry-based course.

PEH 222
Beginning Athletic Training
Fall semester. 3 semester hours.
Procedures and practices in the prevention, immediate care, treatment, and rehabilitation of injuries and sudden illness. Topics include taping, bandaging, and conditioning for athletic competition.

PEH 281
Athletic Training Field Practicum
Fall semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisite: PEH222 (may be taken concurrently).

PEH 282
Athletic Training Field Practicum
Spring semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisite: PEH222 (may be taken concurrently).

PEH 300
Current Issues And Practices In Coaching
Spring semester, alternate years. 2 semester hours.
Topics include philosophy, sport psychology and sociology, and team management skills. Course includes ACEP certification materials.

PEH 301
Officiating High School Sports
Fall semester. 2 semester hours.
Students will demonstrate knowledge and practical skills in officiating a minimum of 3 high school sports from the following: football, soccer, volleyball, basketball, softball or wrestling. Upon successful completion of the course, students can be certified by the Montana Officials’ Association, which permits immediate employment as middle school, high school, and youth sports officials.

PEH 302
Basketball Coaching
Spring semester, alternate years. 2 semester hours.
Coaching theories of basketball are examined, including: fundamentals, techniques, strategies, practice sessions, utilization of personnel, and the ethics of coaching.

PEH 303
Football Coaching
Fall semester, alternate years. 2 semester hours.
Coaching theories of football are examined, including: skills, systems of play, practice sessions, strategies, conditioning, personnel utilization, off-season programs, and the ethics of coaching.

PEH 305
Track And Field Coaching
On demand. 2 semester hours.
Students examine the following topics: mechanical analysis of track and field events; conditioning and training methods; teaching, coaching, and officiating techniques including practical experience in these areas; and management of track and field meets.

PEH 306
Volleyball Coaching
Fall semester, alternate years. 2 semester hours.
Mechanical analysis and study of coaching theories, including but not limited to skills, strategies, and systems of play.
PEH 307
Baseball And Softball Coaching
On demand. 2 semester hours.
Theories of coaching baseball and softball are examined, including: skills, strategies, practice sessions, conditioning, and teaching and coaching the young athlete.

PEH 311
Soccer Coaching
Fall semester, alternate years. 2 semester hours.
Theories of coaching soccer are examined, including: skills, strategies, practice sessions, conditioning, and teaching and coaching the young athlete.

PEH 312
Dance Methods
Fall semester, alternate years. 2 semester hours.
Students learn the fundamentals of rhythm, as well as the methods and materials in teaching folk, social, and square dance. Teaching experience is included.

PEH 315
Motor Learning
Spring semester. 2 semester hours.
Examines the factors that influence the learning of motor skills. Content will include features of skill development, processes of perception, and components of action as these relate to the acquisition and teaching of goal-directed movement. Practical application of theory will be a central part of the course.

PEH 320
Biomechanics
Fall semester. 3 semester hours.
This course studies the principles of human movement. Emphasis will be placed on demonstrating the ability to analyze human motion in terms of improving human movement performance. Also included are fundamental concepts of biological and mechanical aspects of musculoskeletal structures. Prerequisite: BIO321 or PEH204.

PEH 322
Advanced Athletic Training
Spring semester. 3 semester hours.
Techniques of rehabilitation, use of modalities, advanced techniques of injury evaluation, advanced taping techniques, administration and management of injuries. Hands-on experience required under the supervision of an ATC (Certified Athletic Trainer). Prerequisites: PEH204 or BIO321, PEH222, PEH356, and approval of the program advisor.

PEH 325
Elementary Health Enhancement Seminar And Teaching Lab
Spring semester. 3 semester hours.
The purpose of this course is to develop practical skills in the teaching of health enhancement with special attention given to behavior management and curriculum development. Lab experiences will include working with both the typical and the exceptional student. Students will be required to complete several hours in the schools, in both classroom and gymnasium settings. Prerequisites: EDC330, EDC341.

PEH 345
Fitness Science
Spring semester. 3 semester hours.
Examines the various aspects of health-related fitness and the relationship of fitness to health. Includes an individual fitness assessment, the development of exercise programs, and proper exercise technique. Prepares students for the American College of Sports Medicine certification exam as a health/fitness instructor. Prerequisites: PEH204, PEH210, PEH211.

PEH 356
Physiology Of Exercise
Spring semester. 3 semester hours.
Students explore the effects of exercise on the cardiorespiratory and neuromuscular systems. Physiological aspects of various training methods are examined. Laboratory experience is included.

PEH 381
Athletic Training Field Practicum
Fall semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisites: PEH281 or PEH282, and PEH322 (may be taken concurrently).

PEH 382
Athletic Training Field Practicum
Spring semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisites: PEH281 or PEH282, and PEH322 (may be taken concurrently).

PEH 391
Field Practicum
Fall and Spring semesters. 1 semester hour.
Forty-five hours of experience on the job are required for one hour of credit. Majors in the K-12 education option register for one credit earned as a teaching assistant in PEH115.
PEH 412
Management Of Health Enhancement And Sport Programs
Spring semester. 3 semester hours.
Students explore the organization, supervision, and administration of various health enhancement and sport programs.

PEH 420
Methods And Materials: Teaching Secondary Health Enhancement
Fall semester, alternate years. 3 semester hours.
Provides competence for the delivery and evaluation of planned learning activities. Areas of concentration will include emotional/mental health, substance abuse, human sexuality, diseases, consumer health, healthy lifestyles, nutrition, weight control, community/environmental health, medical ethical issues, team and individual activities, lifetime sports, cooperative games, and fitness activities. Prerequisites: PEH105, PEH106, PEH107, PEH210, and PEH211. Corequisite: EDC420.

PEH 421
Historical And Contemporary Issues In Physical Education/Sport
Fall semester, alternate years. 2 semester hours.
Study of historical and contemporary issues affecting physical education and sport, including ethical and gender issues.

PEH 425
Therapeutic Rehabilitation And Modalities
Spring semester, alternate years. 3 semester hours.
The modalities portion of this course presents the theoretical and applied principles and techniques for the application of modalities in sports injury care. The rehabilitation portion is designed to explain the principles and apply the techniques of rehabilitation as they relate to athletic injury. Prerequisites: PEH222 and PEH322 (may be taken concurrently).

PEH 441
Measurement And Evaluation In Health Enhancement And Exercise Science
Spring semester. 2 semester hours.
This course is designed to introduce students to, and engage them in, the process of measurement and evaluation as applied to the fields of health enhancement and exercise science. The course will introduce students to the basic application of statistics, tests and measurement, report compilation, and interpretation of data. Students will examine various types of assessment and test instrument design.

PEH 450
Internship
On demand. 1-15 semester hours. EL.
Guided work experience in cooperation with an established health-related program. Forty-five hours of experience on the job are required for one hour of credit. Students in the exercise science option are required to earn seven credits in an off-campus program, and one credit as a teaching assistant in PEH115. The student must arrange the internship in agreement with the instructor and the office of career services. Contract is required. Prerequisites: junior or senior standing and permission of professor.

PEH 481
Athletic Training Field Practicum
Fall semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisites: PEH281 or PEH282, and PEH322 (may be taken concurrently).

PEH 482
Athletic Training Field Practicum
Spring semester. 2 semester hours.
Students complete 200 clinical hours under the supervision of a certified trainer. Prerequisites: PEH281 or PEH282, and PEH322 (may be taken concurrently).

PEH 490
Physical Education Seminar: Advanced Theories Of Strength Training And Conditioning
Spring semester. 2 Semester hours.
Prepares the student for the National Strength and Conditioning Association’s certification exam as a certified strength and conditioning specialist. Prerequisites: PEH122, PEH204 or BIO321, PEH210, PEH211, PEH215, PEH222, PEH320, PEH356, and PEH441.

PEH 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
PHYSICIAN ASSISTANT

NOTE: All graduate level PHA classes are restricted only to those students admitted to the PA program.

PHA 215
Basic Emergency Medical Technician
Spring semester. 3 semester hours.
Open to all students. Procedures and protocols dealing with pre-hospital patient assessment, patient treatment, trauma, recognition of medical emergencies, and scene safety are examined. Class will be divided into half classroom lecture and discussion and half hands-on practice using programmed patients. Class follows the DOT curriculum and culminates with state and national certification, enabling students to work on an ambulance.

PHA 247
Medical Terminology
On demand (online). 2 semester hours.
Open to all students. This course assists those studying in the fields of medicine and health care. Through textbook readings and the use of Web-related tools, the principles of medical terminology will be described and applied. The course offers a broad introduction to concepts underlying medical terminology. Medical examples will illustrate concepts and methods. This course does not meet general education requirements.

PHA 501
Clinical Medicine I
Fall semester. 4 semester hours.
This course is a comprehensive study of diseases emphasizing etiology, pathophysiology, signs and symptoms, diagnostic procedures, and therapeutic measures involved in treating and managing medical problems as seen by the primary care practitioner. Material is presented in modules of genetic disorders, hematology, oncology, immunology/allergy, infectious diseases, ENT, and ophthalmology. PHA510, PHA530, and PHA540 are correlated.

PHA 502
Clinical Medicine II
Spring semester. 4 semester hours.
This course is a comprehensive study of diseases emphasizing etiology, pathophysiology, signs and symptoms, diagnostic procedures, and therapeutic measures involved in treating and managing medical problems as seen by the primary care practitioner. Material is presented in modules of pulmonology, cardiology, gastroenterology, neurology, orthopedics, and rheumatology. PHA511, PHA532, and PHA541 are correlated.

PHA 503
Clinical Medicine III
Summer semester. 4 semester hours.
This course is a comprehensive study of diseases emphasizing etiology, pathophysiology, signs and symptoms, diagnostic procedures, and therapeutic measures involved in treating and managing medical problems as seen by the primary care practitioner. Material is presented in modules of endocrinology, nephrology, urology/Men’s Health, OB/Women’s Health, dermatology, and general surgery. PHA512, PHA534, and PHA542 are correlated.

PHA 509
Professional And Medical Practice Issues
Summer semester. 2 semester hours.
This course examines a professional’s obligations and a patient’s rights in regard to ethical and social issues in medicine. Thorny dilemmas, such as the role of using humans in research studies, decisions not to treat or to resuscitate, inherent conflicts in genetics and reproductive technologies, as well as professional concerns about paternalism, patient rights, and confidentiality will be examined. Students will think critically, drawing upon their own experience, to develop an understanding of how to handle ethical dilemmas while practicing primary care medicine. Preparation will include understanding how to interpret medical literature and how to ethically apply research. Additionally, students will learn the history of the PA profession and become culturally and socially aware of how professional credentialing, the regulation of caregiver’s clinical responsibilities, and ethical/legal considerations influence their interaction with patients, as well as their place in the profession.

PHA 510
Pharmacotherapeutics I
Fall semester. 2 semester hours.
This three-semester course discusses the principles of pharmacological drugs and action followed by a review of the principal therapeutic agents in each clinical/medical area. The relationship of pharmacology to other sciences and PHA courses is integrated. This course will examine drug classifications, mechanisms of action, utilization, drug metabolism, pharmacokinetics, and drug interactions, among other issues. Prescription writing and current standards of practice and regulation are also discussed.

PHA 511
Pharmacotherapeutics II
Spring semester. 2 semester hours.
This three-semester course discusses principles of
pharmacological drugs and action followed by a review of the principal therapeutic agents in each clinical/medical area. The relationship of pharmacology to other sciences and PHA courses is integrated. This course will examine drug classifications, mechanisms of action, utilization, drug metabolism, pharmacokinetics, and drug interactions, among other issues. Prescription writing and current standards of practice and regulation are also discussed.

**PHA 512**  
**Pharmacotherapeutics III**  
Summer semester. 2 semester hours.  
This three-semester course discusses principles of pharmacological drugs and action followed by a review of the principal therapeutic agents in each clinical/medical area. The relationship of pharmacology to other sciences and PHA courses is integrated. This course will examine drug classifications, mechanisms of action, utilization, drug metabolism, pharmacokinetics, and drug interactions, among other issues. Prescription writing and current standards of practice and regulation are also discussed.

**PHA 513**  
**Biostatistics**  
Summer semester. 1 semester hour.  
This course is to acquaint the student with the basics of statistics and emphasizes how an understanding of biostatistics is important in clinical medicine. Biostatistical tests, equations, plus values and other measures are explained.

**PHA 514**  
**Medical Epidemiology**  
Fall semester. 2 semester hours.  
This course is designed to acquaint the student with the basics of epidemiology, especially as they pertain to critical thinking skills. The course centers around actual or hypothetical cases to illustrate pertinent concepts and prepares the student to be a rational dispenser of medical resources and a knowledgeable consumer of the medical literature. Pitfalls and biases of both medical practice and publications as they relate to epidemiology are emphasized.

**PHA 517**  
**Clinical Research: Basic Tools**  
Spring semester. 3 semester hours.  
Students are introduced to the principles of clinical research design, including the literature search, methodology, data collection, data management, and reporting of results and conclusions. This course will also discuss the interpretation of medical literature.

**PHA 520**  
**History And Physical Examination I**  
Fall semester. 2 semester hours.  
This two-semester course prepares students to master the art of taking medical histories and the techniques of physical examination. The first semester focuses on “normal” findings; in the second semester, the focus is on recognition and significance of “abnormal” findings. A systems approach is used and the material is taught using a lecture, demonstration, and lab practicum format. Students spend time in the clinical setting via PHA550 practicing their skills and learning how to present their findings. Special emphasis is placed on interpersonal communication and writing skills. A laboratory session will be held weekly to incorporate the lecture material.

**PHA 521**  
**History And Physical Examination II**  
Spring semester. 2 semester hours.  
This two-semester course prepares students to master the art of taking medical histories and the techniques of physical examination. The first semester focuses on “normal” findings; in the second semester, the focus is on recognition and significance of “abnormal” findings. A systems approach is used and the material is taught using a lecture, demonstration, and lab practicum format. Students spend time in the clinical setting via PHA550 practicing their skills and learning how to present their findings. Special emphasis is placed on interpersonal communication and writing skills. A laboratory session will be held weekly to incorporate the lecture material.

**PHA 530**  
**Physiology/Pathophysiology I**  
Fall semester. 2 semester hours.  
Pathophysiology provides the basic link among the sciences of anatomy, physiology, and biochemistry and their application to the clinical practice of medicine. It is essential to study pathophysiology in order to understand the rationale for medical and surgical therapy. Topics will include basic physiology as well as inflammatory response, vascular and metabolic changes that result in altered structure and function, and the examination of gross and microscopic structural changes and resulting bodily malfunctions.

**PHA 531**  
**Behavioral Dynamics**  
Fall semester. 2 semester hours.  
The recognition and management of common psychosocial problems encountered in primary care practice will be reviewed. The important role of interviewing and history
taking in all areas of practice, as the primary source of information about patients and as the avenue to rapport with patients, will be emphasized. Recognizing form and content in the interview will become the basic for teaching psychiatric diagnoses. Treatment will be discussed from a biopsychosocial perspective with reference to psychotherapies, psychopharmacology, and environmental intervention. Indications for referral and hospitalization will be discussed. Topics covered will include anxiety disorders, mood disorders, psychosis, organic conditions, substance use disorders, personality disorders, eating disorders, and psychiatric emergencies and crises.

PHA 532
Physiology/Pathophysiology II
Spring semester. 2 semester hours.
Pathophysiology provides the basic link among the sciences of anatomy, physiology, and biochemistry and their application to the clinical practice of medicine. It is essential to study pathophysiology in order to understand the rationale for medical and surgical therapy. Topics will include basic physiology as well as inflammatory response, vascular and metabolic changes that result in altered structure and function, and the examination of gross and microscopic structural changes and resulting bodily malfunctions.

PHA 534
Physiology/Pathophysiology III
Summer semester. 2 semester hours.
Pathophysiology provides the basic link among the sciences of anatomy, physiology, and biochemistry and their application to the clinical practice of medicine. It is essential to study pathophysiology in order to understand the rationale for medical and surgical therapy. Topics will include basic physiology as well as inflammatory response, vascular and metabolic changes that result in altered structure and function, and the examination of gross and microscopic structural changes and resulting bodily malfunctions.

PHA 538
Clinical Human Anatomy
Summer semester. 3 semester hours.
This course is designed to teach students the essentials of gross anatomy pertaining to clinical practice. The student is expected to develop skills in understanding the three-dimensional relationship of structures in the human body and to be able to use these skills in reading and interpreting medical images. There will be at least one 2-hour review laboratory with prosected cadavers (3) each module. The course will utilize X-rays, CAT scans, and other imaging tools requiring knowledge of transverse and sagittal sections of anatomical regions. The clinical anatomy component will emphasize aspects of structure and function important to the practice of medicine.

PHA 540
Clinical And Interpretive Skills I
Fall semester. 2 semester hours.
This three-semester course will present common laboratory diagnostics employed in the evaluation of disease processes. Students develop proficiency in performing and analyzing such routine procedures as a CBC, a urinalysis, gram stains, and cultures. Students will develop skills and screening techniques in interpreting clinical laboratory values in relation to disease, therapy, and prognoses common to the delivery of primary care medicine. Students will also employ proper methods of performing various clinical procedures, such as intravenous catheter insertion, intramuscular injections, passing nasogastric tubes, applying plaster casts, phlebotomy, suturing and sterile technique, wound care (pre/post op), vital signs, intubation, catheterization, ear irrigations, and removal of foreign bodies. Also, this course will present fundamentals of radiology and imaging techniques and other factors involved in the roentgenographic evaluation of disease. Performing and interpreting of electrocardiograms will be presented.

PHA 541
Clinical And Interpretive Skills II
Spring semester. 2 semester hours.
This three-semester course will present common laboratory diagnostics employed in the evaluation of disease processes. Students develop proficiency in performing and analyzing such routine procedures as a CBC, a urinalysis, gram stains, and cultures. Students will develop skills and screening techniques in interpreting clinical laboratory values in relation to disease, therapy, and prognoses common to the delivery of primary care medicine. Students will also employ proper methods of performing various clinical procedures, such as intravenous catheter insertion, intramuscular injections, passing nasogastric tubes, applying plaster casts, phlebotomy, suturing and sterile technique, wound care (pre/post op), vital signs, intubation, catheterization, ear irrigations, and removal of foreign bodies. Also, this course will present fundamentals of radiology and imaging techniques and other factors involved in the roentgenographic evaluation of disease. Performing and interpreting of electrocardiograms will be presented.
PHA 542
Clinical And Interpretive Skills III
Summer semester. 2 semester hours.
This three-semester course will present common laboratory diagnostics employed in the evaluation of disease processes. Students develop proficiency in performing and analyzing such routine procedures as a CBC, a urinalysis, gram stains, and cultures. Students will develop skills and screening techniques in interpreting clinical laboratory values in relation to disease, therapy, and prognoses common to the delivery of primary care medicine. Students will also employ proper methods of performing various clinical procedures, such as intravenous catheter insertion, intramuscular injections, passing nasogastric tubes, applying plaster casts, phlebotomy, suturing and sterile technique, wound care (pre/post op), vital signs, intubation, catheterization, ear irrigations, and removal of foreign bodies. Also, this course will present fundamentals of radiology and imaging techniques and other factors involved in the roentgenographic evaluation of disease. Performing and interpreting of electrocardiograms will be presented.

PHA 545
Pediatrics
Summer semester. 2 semester hours.
The course will examine infant and child development, focusing on major common pediatric illnesses and their signs, symptoms, and management relative to the primary health care giver. The problem-oriented medical record is presented, i.e., the pediatric history and physical examination. Specific problems of the newborn and older child will be presented for discussion in such areas as immunity and allergy, pharmacotherapy, medical emergencies, preventive health care, and the psychosocial and developmental disabilities specific to pediatrics.

PHA 550
Introduction To Clinical Practice
Spring semester. 1 semester hour.
This course will allow students to examine and perform basic administrative functions inherent to the practice of medicine, such as CPT and ICD-9 coding. Students will be assigned to volunteer medical providers in the surrounding communities one-half day each week. The student will travel to the site of the practicing provider and where appropriate, take histories, perform physical examinations, and apply the knowledge acquired in the classroom to the clinical setting.

PHA 610
Emergency Medicine
Summer semester. 3 semester hours.
The course will present a system-by-system approach to the evaluation, recognition, and management of both medical and surgical emergencies necessary for a primary health care provider. Using a formal lecture/discussion format focusing on etiology, evaluation, and initial triage/treatment of more common emergency injuries and disease presentations, which confront the primary health care provider. Advanced cardiac life support will be taught in this course.

PHA 620
Preventive Medicine
Spring semester. 3 semester hours.
This course encompasses knowledge and skills that relate to health and risk assessments, disease prevention/health promotion interventions, and aspects of clinician/patient interactions necessary for integration of disease prevention and health promotion into day-to-day clinical practice. Knowledge and skills in applied nutrition are introduced and integrated into related health topics. The course outline follows the National Health Objectives as delineated in the document “Healthy People 2000.” The course coordinator assumes primary responsibility for the organization of the course but enlists clinicians in the community to share specific areas of expertise. Student evaluation will be based on projects and an exam designed to assess problem-solving and evaluation skills.

PHA 621
Problem-Based Clinical Correlation
Summer semester. 2 semester hours.
This course is designed to assist students in becoming critical thinkers who can apply the concepts of medical decision-making and problem solving. The course utilizes a Problem-Based Learning (PBL) approach to teach students to critically evaluate and apply the clinical information they derive through medical history, physical examination, diagnostic testing, and pertinent medical literature to the real-life resolution and management of health care problems.

PHA 641
Geriatrics
Summer semester. 2 semester hours.
This course provides an introduction to gerontology with an emphasis on the normal biological, sociological, behavioral, and environmental changes occurring with age. Consequences of aging from the perspective of the primary health care provider will be presented. Principles and methods of multidimensional assessment relative to the recognition and management of medical disease and mental illness with an emphasis on maximizing functional independence is discussed.
Second Year Clinical Rotations:

PHA 651
Clinical Rotations*
Fall semester. 12 semester hours.
Students complete clinical rotations as assigned by the physician assistant program.

PHA 652
Clinical Rotations*
Spring semester. 12 semester hours.
Students complete clinical rotations as assigned by the physician assistant program.

PHA 653
Clinical Rotations*
Summer semester. 12 semester hours.
Students complete clinical rotations as assigned by the physician assistant program.

PHA 683
Research Design/Project
Completed by summer semester. 6 semester hours.
Physician Assistant students identify an area of research and develop a prospectus for the project in year one. Research is conducted over the next 15 months, and the project is accomplished for program completion prior to graduation. The final assignment is an investigational/research paper on a topic chosen by the Physician Assistant student. Definitive guidelines for writing the paper are found in the handbook provided to the student.

*These rotations will include the following:

Primary Care/Family Practice Rotation: This core rotation of 15 weeks is structured to provide an understanding of various medical disorders and their complications experienced by patients of all age groups. Within this setting, the emphasis is on the accurate collection, assessment, and presentation of patient data for physician review, indications for laboratory diagnostics, and the education of patients regarding health risk behaviors and therapeutic regimens.

Emergency Internal Medicine Rotation: This rotation of 5 weeks provides exposure to the spectrum of problems and issues associated with patients requiring immediate medical attention. The learning experiences emphasize family planning and birth control, recognition and treatment of sexually transmitted disease, cancer detection, and evaluation of common gynecological problems. An exposure to the surgical management of gynecological problems is also provided. The exposure of obstetrical problems will be balanced with the primary care/family practice clerkship.

Orthopedic Rotation: This core rotation of 5 weeks provides exposure to orthopedic procedures and conditions requiring surgical intervention. The learning experiences include preoperative, intraoperative, and postoperative exposure.

Surgery Rotation: This core rotation of 5 weeks provides an orientation to patients of various ages with surgically manageable diseases. The emphasis of the learning experiences is on the preoperative evaluation and preparation of patients for surgery, assistance during the intraoperative period to develop an understanding of team member roles and operative procedures, and the care of surgical wounds and post-operative complications.

Behavioral Medicine: This core rotation of 5 weeks is designed to provide an understanding of the behavioral components of health, disease, and disability. Exposures to patients with a variety of emotional illnesses and disabilities are used to develop informed history-taking and mental status examination skills, the ability to recognize and categorize psychiatric disturbances, and techniques for early intervention and psychiatric referral.

Elective Rotation: This rotation of 5 weeks is designed to give students an opportunity to explore any other medical or surgical specialty of their choice which correlates to the mission of the physician assistant program and which is under the direction and supervision of the program.

Proper management of life-threatening illnesses and injury. Ventilatory assistance, cardio-pulmonary resuscitation, fluid and electrolyte replacement, and acid-base balance are also stressed.

Women’s Health Rotation: This core rotation of 5 weeks provides exposure to the spectrum of problems and issues associated with women’s health care. The learning experiences emphasize family planning and birth control, recognition and treatment of sexually transmitted disease, cancer detection, and evaluation of common gynecological problems. An exposure to the surgical management of gynecological problems is also provided. The exposure of obstetrical problems will be balanced with the primary care/family practice clerkship.
PHILOSOPHY AND RELIGIOUS THOUGHT

PHR 100
Introduction To Philosophy And Religious Thought
Fall and Spring semesters. 3 semester hours. HU, RT.
This course attempts to address the question “Does thinking about the meaning of one’s life help us live better?” by studying a particular issue and some thought-provoking responses to it. The particular issue and texts will vary from year to year. Not open to juniors and seniors without instructor’s permission.

PHR 111
Introduction To The Old Testament
On demand. 3 semester hours. HU, RT.
This course provides an introduction to Old Testament literature, focusing on the great narratives and their basic theological premises. Students will develop a strategy of interpretation of the history of Israel and valuable for contemporary religious thought.

PHR 112
Introduction To The New Testament
On demand. 3 semester hours. HU, RT.
This course provides an introduction to the variety of New Testament literature and its religious setting. Students will seek to understand the beginnings of Christianity, ideas about God and humanity brought by Jesus, and the literature produced by the new church.

PHR 120
Classic Texts In Western Thought I
Fall semester, alternate years. 3 semester hours. HU, RT.
This course provides an introduction to the study of some of the texts of primary importance to the Western tradition. Students will begin by reading Homer’s Odyssey and then turn to other classic texts such as portions of Thucydides’ History of the Peloponnesian War, Sophocles’ Oedipus Cycle, Plato’s Apology and Symposium, portions of Aristotle’s Nicomachean Ethics, portions of the Bible, and Augustine’s Confessions.

PHR 121
Classic Texts In Western Thought II
Spring semester, alternate years. 3 semester hours. HU, RT.
This course provides an introduction to the study of some of the texts of primary importance to the Western tradition. Students will begin by reading portions of Dante’s Divine Comedy and then turn to works by authors such as Rabelais, Descartes, Hobbes, Shakespeare, Milton, Rousseau, Marx, Mill, Freud, Rilke, and Woolf.

PHR 205
Logic
Fall and Spring semesters. 3 semester hours. HU, MA1.
An introductory course in the principles and methods used to distinguish between correct and incorrect reasoning. This course aims to help students think and read critically and to write argumentative papers. Both inductive and deductive logic will be studied.

PHR 210
Genres Of Biblical Literature
Fall and Spring semesters. 3 semester hours. HU, RT.
This course provides an investigation of one specific genre of Biblical literature. Students have recently studied Biblical narrative, Gospels, the Psalms and Paul.

PHR 211
Greek And Early Christian Philosophy
Fall semester, alternate years. 3 semester hours. HU, RT.
This course introduces students to some great primary philosophical texts of the Western tradition, such as Plato’s Republic, and provides them with an overview of philosophy during this early period of its development.

PHR 212
Modern Philosophy
Spring semester, alternate years. 3 semester hours. HU.
Students examine a study of major philosophers, ideas, and movements in philosophy from the Renaissance through the nineteenth century. This course is a continuation of Greek and Early Christian Philosophy and will be similarly designed to promote a study of primary texts from Descartes, Hume, Kant, and others, as well as to present an overview of the period from secondary sources.

PHR 213
Contemporary Philosophy
On demand. 3 semester hours. HU.
Students examine a study of major philosophers, ideas, and movements of the twentieth century. This course is a continuation of Greek and Early Christian Philosophy and Modern Philosophy, but it may focus exclusively on important primary texts from philosophers belonging to Continental, Anglo-American, and American traditions.

PHR 218
Topics In Catholicism
Spring semester. 3 semester hours. HU, RT.
This course explores the central principles of the Catholic religion. From year to year the course focuses on a different aspect of Catholicism. Topics covered might include the creation of basic beliefs in the first three centuries, issues in modern Catholic thinking, Catholics and the Bible, a history of the Church, or great figures in Catholicism.
PHR 220
Jesus
Every three years. 3 semester hours. HU, RT.
Students will look at both Biblical sources and modern literary and theological interpretations to answer the question “Who was, or is, Jesus?” Questions to be addressed include the quest for the “historical Jesus,” classical and contemporary christology, and hermeneutics of Biblical texts.

PHR 236
Religions Of The World
On demand. 3 semester hours. HU, RT.
This course examines the central religious principles and ideas of major non-Christian religions. From year to year, the focus may be on different religions or areas of the world.

PHR 303
Ethics
Spring semester, alternate years. 3 semester hours. HU.
A study relating ethics, as traditionally conceived in philosophy, to one or more current philosophical works in ethics. This course will provide students with a solid background in ethics from Plato to Nietzsche. A discussion of a contemporary work in ethics will introduce students to topics that may be covered in depth in later seminars.

PHR 304
Environmental Ethics
Fall semester, alternate years. 3 semester hours. HU.
This course will address issues such as whether natural beings and the natural world have rights or whether only humans have rights. Students will determine what is ethically appropriate for humans in their relationship with the environment as well as what environmental ethics must take account of to be consequential in the world today.

PHR/MAT 307
Symbolic Logic
Spring semester, alternate years. 3 semester hours. HU, MA2.
Students are introduced to logical argument and analysis by use of Boolean algebra. Construction of truth tables and Venn Diagrams and their use to analyze complex statements, application to the design of electrical circuits that respond to logical commands, and axiomatic systems will be examined. Completeness and consistency of systems are discussed. Prerequisite: permission of professor.

PHR 310
Issues In Biblical Scholarship
Every three years. 3 semester hours. HU, RT.
This course provides an introduction to a current problem in Biblical study and scholarship. Examples of topics are apocalyptic literature; narrative studies; Biblical hermeneutics, text and history; and Biblical theology. Where PHR210 concentrates on the Biblical texts themselves, PHR310 introduces students to the way contemporary scholars study the Bible.

PHR 312
Modern Philosophy
Spring semester, alternate years. 3 semester hours. HU.
Students examine a study of major philosophers, ideas, and movements in philosophy from the Renaissance through the nineteenth century. This course is a continuation of PHR211 and will be similarly designed to promote a study of primary texts from Descartes, Hume, Kant, and others, as well as to present an overview of the period from secondary sources.

PHR 317
Archaeological Dig In Israel
Summer semester. 6 semester hours. HU.
Students must register for 3 credits each in two of the departmental areas in which this course is offered. Those areas are history, philosophy and religious thought, and sociology. Students are afforded the opportunity to participate in the archaeological excavations at Bethsaida in Israel for three weeks. They learn the techniques of excavating, recording, dating, and evaluating finds while exploring the history of the region through visits to other archaeological and Biblical sites and through daily lectures. Living accommodations are provided at an Israeli kibbutz where the students intermingle with kibbutzim, gain first-hand experience of kibbutz living, and interview people who have lived for many years in the kibbutz. Several days are spent in Jerusalem where the opportunity is provided to visit Christian sites. Students are taken to the University of Bethlehem to hear a lecture on the Arab situation and to interview Palestinian Arab students.

PHR 319
Theology Of Mission
On demand. 3 semester hours. HU, RT.
This class examines Christian theology and then moves into a study of both historical and contemporary missions. Students participate in a mission trip over spring break, which carries an additional fee. Other aspects of the class include a variety of fundraising and other activities pertaining to the success of the mission trip. Past trips have taken students to San Francisco, Denver, Seattle, and Merida in Yucatan, Mexico.

PHR 320
Major Religious Figures
Fall semester, alternate years. 3 semester hours. HU, RT.
This course provides a study of the writings and the life of
a major religious thinker in the Western tradition. Examples might be Luther, Augustine, or C. S. Lewis. In each case, students will relate the thinker to the general history of Judaeo-Christian thought.

PHR 321
Major Philosophical Figures
On demand. 3 semester hours. HU.
This course provides a study of the writings and, in some cases, the life of a major philosophical thinker in the Western tradition.

PHR 340
Christian Ethics
Spring semester, alternate years. 3 semester hours. HU, RT.
Students will study the Biblical basis for ethics as well as several modern Christian ethicists to understand how they move from the beliefs of Christianity toward recommendations for specific ethical action.

PHR 362
Theology And Christian Beliefs
Every three years. 3 semester hours. HU, RT.
This course investigates classical and modern Christian answers to the basic questions of what it means to believe in God and whether one is talking about anything more than our ideals, our aspirations, and ourselves when one talks about God.

PHR/ENG 370
Religion And Literature
Spring semester, alternate years. 3 semester hours. HU, RT.
A study of religious issues, conflict, and hopes in modern literature. The works read will vary from year to year but will probably include authors like Melville, Tolstoy, Hemingway, Flannery O’Conner, and John Updike.

PHR 375
Styles Of Contemporary Philosophy
Fall semester, alternate years. 3 semester hours. HU.
The twentieth century is characterized by a plurality of philosophical styles such as postmodernism as phenomenology, existentialism, hermeneutics, deconstruction, analytic philosophy, pragmatism, and systematic philosophy. Intensive study and critical evaluation of one or two of these styles will occur.

PHR 378
Philosophy Of Technology And Modern Culture
Spring semester, alternate years. 3 semester hours. HU.
It is often a difficult task to understand one’s own culture and age. Recent philosophical work offers profound insights into our age and places these insights within a much wider context.
PHYSICS

PHS 100
Atoms To Stars
On demand. 3 semester hours. NS.
A course designed for non-science majors. A selection of topics in physics will be discussed to give the student a greater understanding of the physical universe. This course provides the background for an appreciation of the laws and phenomena of physics, which control the universe, from the sub-atomic to the cosmological scale, including the scale of human existence. Topics discussed may include force and motion, energy, the nature of light, the structure of matter, and ideas of modern physics. Only minimal mathematics will be used.

PHS 101
Fundamental Physics I
Fall semester, alternate years. 4 semester hours. NSL.
Students examine a survey of the laws and phenomena of classical physics, including motion, force, energy, momentum, waves, and thermodynamics. This course is suitable for non-science majors who have a strong background in high school algebra and who wish a more rigorous understanding of physics than provided in most courses for non-science majors. The course will satisfy the requirements of geology and biology majors. Students considering graduate work in these areas should take PHS201 and PHS202 instead. Three lecture periods and one two-hour laboratory per week.

PHS 102
Fundamental Physics II
Spring semester, alternate years. 4 semester hours. NSL.
Students examine a survey of the laws and phenomena of classical and modern physics, including light, electricity, magnetism, and atomic and nuclear physics. This course is suitable for non-science majors who have a strong background in high school algebra and who wish a more rigorous understanding of physics than provided in most courses for non-science majors. This course will satisfy the requirements of geology and biology majors. Students considering graduate work in these areas should take PHS201 and PHS202 instead. Three lecture periods and one two-hour laboratory per week. Prerequisite: PHS101.

PHS 201
General Physics I
Fall semester. 4 semester hours. NSL.
This course is a calculus-based introduction to the laws and phenomena of classical physics, including force and motion, energy and momentum, their conservation laws, and their oscillations. This sequence is required for chemistry majors and engineering students and is recommended for mathematics, biology, and geology students. Three lecture periods and one two-hour laboratory per week. Corequisite: MAT175.

PHS 202
General Physics II
Spring semester. 4 semester hours. NSL.
This course is a calculus-based introduction to the laws and phenomena of classical physics, including mechanics, waves, light, electricity, and magnetism. This sequence is required for chemistry majors and engineering students and is recommended for mathematics, biology, and geology students. Three lecture periods and one two-hour laboratory per week. Prerequisite: PHS201. Corequisite: MAT176.

PHS 300
Physics Lab Projects
On demand. 1-2 semester hours.
Builds on students’ experience in introductory labs with more complex and sophisticated experiments selected by students in consultation with the instructor. Emphasis will be on experimental design, analysis, and presentation of results. The course will be available every semester on a directed independent study basis. Students may work alone or in teams of two or three students. Prerequisite: permission of professor.

PHS 310
Statics
On demand. 3 semester hours. NS.
Required for engineering students; involves a thorough analysis of forces and stresses on particles, rigid bodies, structures, and fluids in static equilibrium. Three lecture periods per week. Prerequisite: PHS201.

PHS 311
Dynamics
On demand. 3 semester hours. NS.
Required for engineering students; involves a thorough analysis of the kinematics and kinetics of particles, systems of particles, and rigid bodies. Three lecture periods per week. Prerequisite: PHS310.

PHS 320
Relativity Theory
Fall semester, alternate years. 2 semester hours. NS.
Students are introduced to Einstein’s theory of relativity with emphasis on the special theory. Prerequisite: PHS201 or permission of professor.
PHS 321
Quantum Theory
Spring semester, alternate years. 2 semester hours. NS.
Students are introduced to quantum mechanics, including the historical evolution of the theory. Emphasis will be on the wave mechanical formulation of the theory and Schroedinger’s equation. Topics such as quantum tunneling and atoms will be analyzed. The impact of quantum theory on the scientific worldview will be considered. Prerequisite: PHS202.

PHS 325
Nuclear And Particle Physics
Fall semester, alternate years. 2 semester hours. NS.
Introduction to nuclear physics, including theory, experiments, and nuclear processes, as well as a survey of modern particle physics, including quantum chromodynamics. Prerequisite: PHS202.

POLITICAL SCIENCE

POL 101
Introduction To Political Science
Fall semester. 3 semester hours. SS.
This course provides an examination of the basic concepts of political science in light of contemporary political events. Students approach such important concepts as freedom, power, democracy, authority, revolution, and dictatorship.

POL 202
Public Administration
On demand. 3 semester hours. SS.
This course provides an examination of policy-making and policy execution in government agencies. Materials and discussions are drawn mainly from the national government of the United States, with an emphasis on the effectiveness of bureaucratic machinery in carrying out public policy. Problems of administrative organization, budget, personnel, public relations, administrative law and regulation, and internal and external political influences are covered. At least one case study is analyzed in detail.

POL 203
American National, State, And Local Government
Fall semester. 3 semester hours. SS.
This course provides an analysis of the American system of government on three levels. Students will examine the origins of our system of government, the nature and role of our Constitution with its functional and territorial distribution of powers, and the importance of government at the three levels. Prerequisite: POL101 or permission of professor.

POL 301
International Relations
Spring semester, alternate years. 3 semester hours. SS.
Students examine an analysis of the way nations interact with one another and how the necessities of power and the desire to regulate the use of power in the international arena have influenced twentieth-century world politics. Prerequisite: a lower-division history course or permission of professor.

POL 307
Modern Foreign Governments
Spring semester, alternate years. 3 semester hours. SS.
Present-day political systems of selected Western and non-Western nations are studied. Students are introduced to the concepts that have proved most fruitful in demonstrating the comparability and unity of the political experience. Prerequisite: POL101 or permission of professor.
POL 313
Environmental Politics
Spring semester. 3 semester hours. SS.
Political problems associated with the human impact on the natural environment: pollution, natural resources, public lands, land use, energy, cultural/social justice, and population.

POL 331
American Political Party System
On demand. 3 semester hours. SS.
This course inquires into the dynamics of the American representative system, stressing the role of informal institutions in the control and management of governmental power and dealing with the organization, procedures, and actual operation of political parties and pressure groups in the governmental process. Prerequisites: POL101, POL203, or permission of professor.

POL 343
Bross Peace Seminar
Spring semester. 3 semester hours. SS.
The Drs. John H.and Helen M. Bross Peace Seminar develops a theme that stems from the mission statement of the Institute for Peace Studies, and explores alternatives to violence in the behavior of individuals, groups, and nations. This upper-division course is interdisciplinary, inter-generational, and team-taught, with presenters from Rocky Mountain College, Montana State University-Billings, guest speakers who are native to the countries being discussed, and from the professional and business community. Enrollment is limited to 20 students and 20 auditors from the community to allow for active discussion and exchange. Prerequisite: junior standing or permission of professor.

POL 401
History Of Political And Social Thought
On demand. 3 semester hours. SS.
The development of political and social ideas from ancient Greece to the present are examined. Prerequisite: POL101 or permission of professor.

POL/HST 409
The United States In World Affairs
Fall semester, alternate years. 3 semester hours. SS, HU.
This course studies United States foreign policy and diplomacy, including other American international activities, from 1917 to the present.

POL 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

POL 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
PSYCHOLOGY

PSY 101
General Psychology
Fall and Spring semesters. 3 semester hours. SS.
A survey of the field of psychology investigating such topics as learning, motivation, human development, personality, social psychology, and physiological psychology. In order to make inquiry into any academic discipline, the student must first learn the language and methodology of that discipline; the field of psychology is no exception. Therefore, this course will include the study of major psychological theories, terminology, and investigative methods, as well as limited opportunity to apply those methods.

PSY/SOC 201
Social Psychology
Fall semester. 3 semester hours. SS.
Students study the behavior of individuals as it is controlled, influenced, or limited by the sociocultural environment, social interaction, and basic interrelations of the individual, society, and culture. This course is designed to enable students to see themselves as both shaping and being shaped by their culture. Attention is also focused on inclusion and diversity. Prerequisite: PSY101.

PSY 205
Human Development I
Fall semester. 3 semester hours. SS.
Students examine a study of human growth from conception to puberty. Physical, cognitive, personality, and social development will be investigated from theoretical and practical perspectives. The student will explore stages of human development through adolescence, be able to apply the major developmental theories, and make better choices as a parent or teacher.

PSY 206
Human Development II
Spring semester. 3 semester hours. SS.
Students examine a study of human development from adolescence through the lifespan, which makes use of recent research studies in physical, cognitive, personality, and social development. The student will demonstrate a basic understanding of the physical, cognitive, and psychosocial changes that occur as people move through the stages of adulthood.

PSY 212
Family Dynamics
On demand. 3 semester hours. SS.
This course is a study of the main theories of family systems, family patterns, and family-of-origin work. Material studied will be taken from required texts, articles obtained at the library, and class activities. The class will require some knowledge of the therapy models utilized in psychotherapy. Prerequisite: PSY101.

PSY/EDC 302
Educational Psychology
Fall and Spring semesters. 3 semester hours. SS.
This course is designed to aid the student in continuing to develop an understanding of human behavior, especially as that understanding applies to elementary and secondary classrooms. Emphasis will be on why and how human learning takes place and how that learning relates to schools and teaching situations where the needs of each student must be considered. The course also includes participation in and the analysis of interpersonal relations and communication skills. Prerequisites: PSY205 or PSY206 or permission of professor.

PSY 305
Abnormal Psychology
Spring semester. 3 semester hours. SS.
This course provides a survey of the concepts of normality, abnormality, and mental deficiency. The symptoms, causes, and treatment of the major mental disorders will be investigated from a variety of theoretical perspectives. Prerequisite: PSY101.

PSY 306
Personality Theories
Fall semester, alternate years. 3 semester hours. SS.
Designed to facilitate inquiry into the psychological theories of personality. Students will explore the basic concepts underlying major theories as well as apply those theories to hypothetical cases. Students will demonstrate a basic understanding of the fundamental principles underlying theories of personalities. Prerequisite: PSY101.

PSY 312
Behavior Management
Fall semester. 3 semester hours. SS.
Students review behavior management techniques and therapies. Principles of operant conditioning and classical conditioning are investigated in depth. The student will be able to use behavioral principles appropriately and understand the ethical issues involved. Prerequisite: PSY101.

PSY 315
Community Problems/Contemporary Issues In Psychology
Fall semester. 3 semester hours. SS.
Provides students with the opportunity to research common issues facing mental health practitioners in today’s society. Students will read conflicting arguments on each issue,
write a paper from each perspective, and explore their own biases in regard to a series of issues.

**PSY 342**

**Psychology And The Soul**
Spring and Summer semesters. 3 semester hours. SS.
Online, with some face-to-face sessions.
This course is designed as an introduction of faith and psychology concepts and theories through the development of current philosophers and psychologists. The focus is to explore concepts, theories and research that support the reunification of faith and psychological understanding of thought and behavior. Attention will be given to methods of spiritual and psychococial review of life development and methods of interviewing. Among authors work to be explored are Frattaroli, Schumacher, Wilber, Vaughan and Kabat-Zin. Prerequisites: PSY101 or PSY205 or PSY206.

**PSY 350**

**Counseling**
Spring semester, alternate years. 3 semester hours. SS.
Students examine the theories and techniques used in the field of counseling. The course includes the discussion of psychopathologies, cultural diversity, privacy issues, counselor ethics, professionalism, and personality characteristics of both counselor and client as well as the effects of these issues on the counseling process. Prerequisites: PSY101 plus 6 additional semester hours in psychology.

**PSY 410**

**Experimental Psychology**
Fall semester. 3 semester hours. SS.
Designed to acquaint the student with various methods used in psychological research. The student will learn to evaluate the quality of research, will design and execute various types of research, and will be able to document research using APA guidelines. Prerequisites: PSY101; and BSA209 or MAT210.

**PSY 420**

**Methods And Materials: Teaching Psychology, Grades 5-12**
On demand. 2 semester hours.
This course deals with the teaching of high-school psychology. Particular attention is focused on diverse and at-risk student populations. Methods of teaching psychology, reviewing psychology texts for content appropriate to various grade levels, and the use of technology in the classroom will constitute major parts of the course. Attention will also be given to the performance of research in the field of psychology. Corequisite: EDC420.

**PSY 431**

**Psychological Testing And Assessment**
Spring semester. 3 semester hours. SS.
This course provides an introduction to the theory and practice of testing and clinical assessment procedures. Emphasis will be on the development and standardization of current psychological tests. The student will become acquainted with the strengths and weaknesses of the major tests in use today. Prerequisites: PSY101; and BSA209 or MAT210.

**PSY 450**

**Internship**
Fall and Spring semesters. 3 semester hours. EL.
An applied course in which interviewing techniques, listening skills, observation and assessment procedures, and counseling skills will be reviewed and practiced at a local agency. Observation of the student and feedback on developing skills will be shared throughout the training program. Contract is required. Prerequisites: PSY305; and PSY306 or PSY350.

**PSY 460**

**History Of Psychology**
Spring semester, alternate years. 3 semester hours. SS.
This course provides a detailed study of the important foundation of the science and art of psychology. Students will understand the history of the major fields of clinical psychology, psychometrics, physiological psychology, sensation perception, learning, and motivation. Prerequisites: PSY101 and junior standing.

**PSY 490**

**Seminar In Physiological Psychology**
Spring semester, alternate years. 3 semester hours. SS.
This course provides a study of the anatomical, biochemical, and physiological aspects of human psychology. Students will have a detailed knowledge of the anatomy of the human brain and nervous system, and understand biochemical principles that relate to the human nervous system, understand the physiology involved in phenomena such as sleep, memory, schizophrenia, and depression. Prerequisites: PSY101, one course in biology or one course in chemistry.

**PSY 499**

**Independent Study**
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
SOCIOLOGY

SOC 101
Introduction To Sociology
Fall semester. 3 semester hours. SS.
Students examine the nature of the sociological perspective, macro- and micro-sociological theory, and sociological methodology and research. Society’s social organization, social structure, social interaction, socialization, social institutions, deviance and social control, social stratification, ethnic and racial minorities, gender, the family, education, religion, and other topics from a sociological perspective are also explored.

SOC/PSY 201
Social Psychology
Fall semester. 3 semester hours. SS.
Students study the behavior of individuals as it is controlled, influenced, or limited by the sociocultural environment, social interaction, and basic interrelations of the individual, society, and culture. This course is designed to enable students to see themselves as both shaping and being shaped by their culture. Attention is also focused on inclusion and diversity. Prerequisite: PSY101.

SOC 240
Archaeology And Prehistory
Fall semester. 3 semester hours. SS.
Students survey archaeological techniques and world prehistory. The Old World is defined as the paleolithic, mesolithic, and neolithic ages; and the origin of cities and development of civilization is explored. The New World is defined as the migration from Asia, archaic cultures, epipaleolithic adaptations, and development of cities and civilization in Central and South America.

SOC/BIO 241
Biological Anthropology
Spring semester. 3 semester hours. SS, NS.
History of the theory of evolution, including the modern synthetic theory of evolution, population genetics, hominoid evolution from the Miocene hominids to Homo sapiens, primate ethnology, and sociobiology.

SOC 242
Cultural Anthropology
Spring semester. 3 semester hours. SS.
Students are introduced to anthropological analysis of human behavior. Topics will include a cross-cultural examination of the systemic relations among economic, social, political, and religious behaviors in various cultures.

SOC 244/ART 245
Introduction To Flint Knapping
Summer semester. 3 semester hours. SS, FA.
Students manufacture a variety of stone tools to learn about the evolution of prehistoric technology. Obsidian, flint, and bottle glass are worked with stone, antler, bone, and wood to fashion arrowheads, spear points, knives, and scrapers. Normally offered May term. Non-refundable materials fee required. Prerequisite: permission of professor. Preference to majors and minors is given. This course may be taken either at the lower-division level or at the upper-division level, but not both.

SOC 310
Social Stratification
Fall semester, alternate years. 3 semester hours. SS.
Students examine the causes and consequences of the differential distribution of power, property, and prestige within social groups. Consideration is given to conservative as well as radical sociological perspectives on social stratification. Prerequisite: SOC101 or SOC242, or permission of professor.

SOC 315
The Criminal Mind
On demand. 3 semester hours. SS.
This course will acquaint the student with an overall understanding of the criminal mind and personality. Specifically, the construct of psychopathy and the factors that create this phenomenon will be addressed. Students will explore the current research and literature regarding the criminal mind/personality and develop the ability to differentiate between non-criminal and criminal characteristics. Students will also explore intervention and treatment strategies with criminals, specifically from a cognitive/behavioral perspective.

SOC 317
Archaeological Dig In Israel
Summer semester. 6 semester hours. SS.
Students must register for 3 credits each in two of the departmental areas in which this course is offered. Those areas are history, philosophy and religious thought, and sociology. Students are afforded the opportunity to participate in the archaeological excavations at Bethsaida in Israel for three weeks. They learn the techniques of excavating, recording, dating, and evaluating finds while exploring the history of the region through visits to other archaeological and Biblical sites and through daily lectures. Living accommodations are provided at an Israeli kibbutz where the students intermingle with kibbutzim, gain first-hand experience of kibbutz living, and interview people
who have lived for many years in the kibbutz. Several days are spent in Jerusalem where the opportunity is provided to visit Christian sites. Students are taken to the University of Bethlehem to hear a lecture on the Arab situation and to interview Palestinian Arab students.

SOC 321
Criminology
Spring semester, alternate years. 3 semester hours. SS.
This course focuses on the nature and extent of crime and delinquency: an historical survey of explanatory theories focusing on the economic, social, and psychological causes of criminal behavior; and current methods of treatment, policy, and prevention. Prerequisite: SOC101 or permission of professor.

SOC 324
History Of Sociological And Anthropological Theory
Fall semester, alternate years. 3 semester hours. SS.
A study of the historical development of the fields of anthropology and sociology with an emphasis on the contributions of both classical and modern social theorists in the development of key concepts in the study of social and cultural behavior. Prerequisite: SOC101 or SOC242, or permission of professor.

SOC 325
The Family
Fall semester, alternate years. 3 semester hours. SS.
This course provides a cross-cultural survey of kinship systems, primary group interactions, socialization/enculturation, and parental roles. Students will examine the relationship between the family and other social institutions, particularly economics, education, and religion. Prerequisite: SOC101 or SOC242, or permission of professor.

SOC 340
Indians Of North America
Spring semester, alternate years. 3 semester hours. SS.
This course provides a study of the characteristics and diversity of traditional Native American Indian cultures, including prehistory; the development of cultural areas; and the economic, social, religious, and aesthetic differences within these areas. Students will examine a historical overview of Indian-White relations and contemporary Indian life. Prerequisite: SOC242 or permission of professor.

SOC 342
Deviance
Spring semester. 3 semester hours. SS.
This course investigates deviant (normative and statistical) social behavior. A variety of psychological, economic, sociological, and anthropological theories are used to analyze the causes, consequences, and social responses to behaviors, such as sexual violence, suicide, mental illness, illegal drug use, homosexuality, and heterosexual deviance.

SOC 344/ART 345
Introduction To Flint Knapping
Summer semester. 3 semester hours. SS, FA.
Students manufacture a variety of stone tools to learn about the evolution of prehistoric technology. Obsidian, flint, and bottle glass are worked with stone, antler, bone, and wood to fashion arrowheads, spear points, knives, and scrapers. Requirements for SOC344 are the same as for SOC244 with the addition of either 1) a 10-page research paper on prehistoric paleolithic tool manufacturing, or 2) the manufacture of punch struck blade (upper paleolithic) tools. Normally offered May term. Non-refundable materials fee required. Prerequisite: permission of professor. Preference to majors and minors. This course may be taken either at the lower-division level or at the upper-division level, but not both.

SOC 350
Social Welfare
Fall semester, alternate years. 3 semester hours. SS.
Students will examine the purposes, philosophy, methods, and values governing the establishment of welfare programs in response to social problems. This course provides a survey of social service practice in various social agencies, such as probation, parole, education, welfare, mental health, and institutional care.

SOC 353
Introduction To Social Work
Spring semester, alternate years. 3 semester hours. SS.
This course will provide the student with a general understanding of the professional field of social work and social work practice. The roles and functions of the professional social worker, as well as intervention strategies, will be addressed. The course will also acquaint students with important historical developments in, and the evolution of, social work as a profession. Students will learn from a variety of social workers from many different fields of social work.

SOC 409
Social Research
Fall semester, alternate years. 3 semester hours. SS.
Students complete an independent research project based on course material on the theory, methodology, practice, and ethics of social science research. Prerequisite: SOC324 or permission of professor.
SOC 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

SOC 477
Sociocultural Analysis Of Related Social Science Theory
Spring semester, alternate years. 3 semester hours. SS.
Students write a major paper in which they present elements of social science thought from the related social science courses and connect this body of thought to traditions of sociological and anthropological thought. Prerequisites: one lower-division and one upper-division course in a related social science field: psychology, economics, or political science. SOC324 is recommended.

SOC 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
SPANISH

SPN 110
Spanish Speakers Of The World
Fall semester. 3 semester hours. HU.
This course is taught only in conjunction with the Rocky Freshman Experience. This course is a broad based survey that serves to introduce Spanish speakers of the world through maps, history, literature and the arts. Literature selections may include novels, short stories, myths, legends, biographies, essays and poetry. Arts selections may include indigenous and contemporary paintings, drawings and sculptures as well as film and music. Students will study Spain and then turn to South America, Central America, and North America (Mexico and the United States). The course will examine Pre-Columbian peoples, the colonization of the Americas by the Europeans, and some contemporary issues. A parallel will be drawn between the treatment of the Native American tribes of South America, Central America and Mexico to the treatment of those of the United States. In addition to readings and discussions, students will make oral presentations in class or at special events.

SPN 131
Beginning Spanish I
Fall semester. 4 semester hours. HU.
This course provides an introduction to Spanish speech, language, culture, and communication through reading, writing, listening, and speaking. A culture and language integrated approach with an emphasis on vocabulary acquisition and basic grammatical structures will be used.

SPN 132
Beginning Spanish II
Spring semester. 4 semester hours. HU.
This course builds on the foundation established in SPN131. Through the use of the four language skills of reading, writing, listening and speaking, basic grammar skills, vocabulary acquisition and cultural readings will increase. Greater emphasis is placed on oral and written expression. Prerequisite: SPN131 or permission of professor.

SPN 211
Intermediate Spanish I
Fall semester. 3 semester hours. HU.
This course utilizes the methodical review and practice of basic vocabulary and grammatical structures, combined with the integrated development of proficiency in the four language skills. Expansion of cultural knowledge and functional vocabulary will occur through intermediate-level reading and discussions. Emphasis is on intermediate-level grammar and reading proficiency. Prerequisite: SPN132 or permission of professor.

SPN 212
Intermediate Spanish II
Spring semester. 3 semester hours. HU.
As a continuation of SPN211, students will explore a continued review, expansion, and practice of basic vocabulary and grammatical structures, while more advanced grammatical structures are introduced and practiced. Expansion of cultural knowledge and functional vocabulary continues through increasingly advanced intermediate-level readings and discussions. Emphasis is on intermediate-level grammar, reading, and communicating proficiency. Prerequisite: SPN211 or permission of professor.

SPN 301
Culture And Literature Of Spain
Fall semester. 3 semester hours. HU.
This course provides an overview of the culture of Spain through representative literary works of peninsular authors. Works will be examined from the Middle Ages, the Siglo de Oro, and contemporary authors, including an introduction to literary genres. Poetry, short stories, and excerpts of longer works will be studied, via both written works and film. Students will take part in classroom discussions as well as write analytical essays in Spanish.

SPN 302
Cultures And Literatures Of Latin America
Fall semester. 3 semester hours. HU.
This course provides an introduction to the richness and diversity of the different countries and cultures of Latin America through their writers. Forms of expression and of preserving knowledge used by ancient civilizations to contemporary writers will be explored. Carvings, ancient writings, short stories, and excerpts from novels and plays will be studied via both written works and film. Students will take part in classroom discussions as well as write analytical essays in Spanish.

SPN 311
The Art Of Spanish Conversation And Composition
Spring semester. 3 semester hours. HU.
This course, conducted in Spanish, is an interactive communication course where students will work with the syntax and the syntactical analysis of spoken and written Spanish. Pronunciation, vocabulary and fluency will be enhanced through textbook and simulated situations as well as on campus and off campus excursions. These real life situations and dialogue encounters will be used to encourage conversation and elicit criticism. The dialogues will cultivate the ability to give and receive positive criticism. Students will follow up on the situations by writing well-formulated and coherently arranged written
works describing their experience. These essays will be marked, shared with the class and then analyzed for incorrectness. This analytical exercise for essays will first be done individually as homework and then collectively as class discussions. In addition to readings, research and discussion, students will make oral presentations in class or at special events.

**SPN 450**  
**Internship**  
On demand. 1-15 semester hours. EL.  
Students are provided with an on-site, hands-on language experience where students are paired with schools, churches, businesses, government, and/or non-profit organizations in the Billings area, the state(s) or abroad. Contract is required. Contact and feedback will be maintained throughout the course. The student must arrange the internship in agreement with the instructor and the office of career services. Prerequisites: junior or senior standing and permission of professor.

**SPN 490**  
**Seminar**  
On demand. 2-3 semester hours.  
Selected topics in Spanish are explored.
THEATRE ARTS

THR 101
Introduction To Theatre
Spring semester. 3 semester hours. FA.
This course provides a survey of the unique world of live theatre. Students will examine the theatre as an art, exploring various components of theatre: the actor, the playwright, the designer, the director, the dramatic structure, and the history of theatre.

THR 110
Introduction To Cinema
Fall semester. 3 semester hours. FA.
This course is taught only in conjunction with the Rocky Freshman Experience. This course provides an introduction to the art of the cinema. Topics include history, genre, acting and directing styles, and the industry’s response to cultural issues.

THR 131
Stagecraft I
Fall semester, alternate years. 3 semester hours. FA.
Students examine a practical approach to the fundamentals of technical theatre. The course includes becoming familiar with tools, equipment, and the technology used in stage construction. Construction projects are required.

THR 132
Beginning Acting
Fall semester. 3 semester hours. FA, SP.
This course provides an introduction to the art of acting. Areas of concentration include the development of self-awareness, vocal production, physical flexibility, and emotional exploration. Preparatory exercises and scenes from plays will be incorporated.

THR 135
Stage Make-Up
Fall semester. 3 semester hours. FA.
Students receive practical training in the design and application of theatrical make-up. Class projects will include standard, corrective, animal, fantasy, monster, and other make-ups.

THR 137
Theatre Production
Fall semester. 1 semester hour.
Students participate in theatre productions under the supervision of the theatre faculty. Credit may be given for lighting, set construction, house management, costuming, publicity, and more. Grades are on a pass/no pass basis only.

THR 138
Theatre Production
Spring semester. 1 semester hour.
Students participate in theatre productions under the supervision of the theatre faculty. Credit may be given for lighting, set construction, house management, costuming, publicity, and more. Grades are on a pass/no pass basis only.

THR 203
Creative Drama
Spring semester, alternate years. 3 semester hours. FA.
Creative drama is a student-centered, process-oriented form of drama in which the focus is on the personal development of the participant rather than on the production of a play before a formal audience. Focus will be on drama exercises, which help the student develop skills in building a character, relating to a setting, improvisation, story dramatization, social drama, and applications of this process for more formal theatre work.

THR 231
Stagecraft II
Spring semester, alternate years. 3 semester hours. FA.
This advanced class offers students practical experience in the areas of carpentry, drafting, property construction, and special effects. Prerequisite: THR131.

THR 232
Intermediate Acting
Spring semester, alternate years. 3 semester hours. FA, SP.
A continuation of beginning stage acting, students emphasize characterization through mask work. Each student will engage in an in-depth study of the vocal, physical, and emotional aspects of a specific character. This character study will culminate in a performance. Prerequisite: THR132.

THR 240
Voice And Diction
Spring semester, alternate years. 3 semester hours. FA.
Fundamental concepts of vocal production are examined. Students take an in-depth look at the vocal mechanism and its importance to the live stage performance. The course prepares the student to effectively pronounce audible, intelligible speech.

THR/ENG 241
Introduction To Shakespeare
Fall semester, alternate years. 3 semester hours. FA, HU.
This course provides an introduction to the world of Shakespeare’s plays and the opportunity to experience and
analyze the dramatic works of England’s greatest writer. Emphasis is on close reading of selected Shakespeare tragedies, comedies, histories, and romances. Students view various performances in order to understand and appreciate the dramatic, literary, and historical backgrounds of the plays.

THR/ENG 242
Modern Dramatic Literature
Fall semester, alternate years. 3 semester hours. FA, HU.
Focusing on script analysis, students consider diverse trends in play-writing and theatrical performances over the past hundred years as viewed through the works of the major playwrights of Europe and the United States. Trends studied include expressionism, surrealism, cubism, and absurdism. This course encourages cross-cultural understanding.

THR 247
Puppetry
Spring semester, alternate years. 3 semester hours. FA.
The course examines the use of puppets in educational, recreational, therapeutic, and religious settings. Design, construction, and manipulation of various kinds of puppets will be covered. Students will be given opportunities to develop performance skills through theatrical processes. While the course will focus on fundamentals, students will be encouraged to pursue their special puppetry interests and needs.

THR 250
Directing I
Spring semester, alternate years. 3 semester hours. FA.
This course provides an introductory study of the numerous functions of a stage director from play selection to the final performance, emphasizing the development of directorial skills. Students will direct a one-act play.

THR/ENG 253
Classical Dramatic Literature
Fall semester, alternate years. 3 semester hours. FA, HU.
Focusing on script analysis, this course provides a chronological study of the major theatrical periods of dramatic literature from the emergence of Greek tragedy in the fifth century BC to the development of European realism in the late nineteenth century. The course also encourages cross-cultural understanding.

THR 310
Lighting Design
Spring semester, alternate years. 3 semester hours. FA.
This course provides a study of the principles, technology, and aesthetics of designing stage lighting. Practical application is emphasized. Prerequisite: THR131.

THR 315
Scene Design
Spring semester, alternate years. 3 semester hours. FA.
This advanced course examines the principles and aesthetics of generating practical, working designs for the modern stage. Requirements include several models and their justifications. Prerequisite: THR131.

THR 320
Costuming For The Stage
Spring semester, alternate years. 3 semester hours. FA.
This course will investigate the role of costumes in theatrical production. Topics include costume history, color theory, and light/fabric relationships. Practical designs and construction projects will be completed. Prerequisite: THR131.

THR 325
The Art Of Sound
Fall semester, alternate years. 3 semester hours. FA.
This course provides a beginning study of the principles of sound. Students will become acquainted with the components and operation of a theatrical sound system. Projects include designing and applying theatrical sound effects. Other topics include techniques of sound reinforcement.

THR 332
Advanced Acting
On demand. 3 semester hours. FA, SP.
Students examine and perform fundamental styles of movement and expression dictated by specific historical periods. Prerequisites: THR132, THR232, and permission of professor.

THR 337
Advanced Theatre Production
Fall semester. 2-3 semester hours.
Students participate in theatre productions under the supervision of the theatre faculty. Credit may be given for lighting, set construction, house management, costuming, and publicity. Each project requires a detailed prospectus and will be given a letter grade. Prerequisites: THR131, THR132, THR137, THR138, and permission of professor.

THR 338
Advanced Theatre Production
Spring semester. 2-3 semester hours.
Students participate in theatre productions under the supervision of the theatre faculty. Credit may be given for
lighting, set construction, house management, costuming, and publicity. Each project requires a detailed prospectus and will be given a letter grade. Prerequisites: THR131, THR132, THR137, THR138, and permission of professor.

THR 347
Musical Theatre
On demand. 3 semester hours. FA.
This course provides an introduction to musical theatre. Study includes such topics as musical conventions, historical perspectives, act-ability of musical numbers and staging of numbers. The class will culminate in an evening performance of prepared audition numbers.

THR 350
Directing II
On demand. 3 semester hours. FA.
Students investigate additional directing techniques, such as coaching actors, style interpretation, and historical theories of directing. The course will culminate in a student-directed full-length play. Prerequisite: THR250.

THR 420
Methods And Materials: Teaching Theatre Arts, Grades 5-12
Fall semester. 2 semester hours.
This course provides a study of curriculum development and theatre production in the secondary school. Students study production possibilities within various educational settings. Students also explore methods for creating instructional and motivational curricula. Corequisite: EDC420.

THR 432
Audition Preparation
On demand. 2 semester hours.
Cold readings, prepared auditions, and the interview will be scrutinized. Upon completion of this course, students will be equipped to present diversified auditions. Effective resumes and photographs will be examined. Prerequisite: THR132.

THR 433
Theatre History I: Beginnings Through Neo-Classicism
Fall semester, alternate years. 3 semester hours. FA.
This course provides a chronological study of the history of theatre from its origins to the 1850s. Critical theories, representative plays, and the physical conditions that contributed to the mainstream of theatrical history will be covered.

THR 434
Theatre History II: Romanticism To The Present
Fall semester, alternate years. 3 semester hours. FA.
This course provides a chronological study of the history of theatre from Darwinism through modern drama. Critical theories, representative plays, physical conditions, theatrical conventions, and cultural and social movements, which affect the mainstream of theatrical history, will be covered.

THR 440
Performance
On demand. 1-3 semester hours.
Students will prepare and perform a major role in an RMC production. Each role must be approved for credit one week after final casting. A daily performance journal and a major analytical paper are required. The paper will address the role being undertaken and how it fits into the thematic structure of the piece, as well as how the actor applies the arc of the character in performance. Credit is dependent on role. This course is repeatable to a maximum of three credits.

THR 450
Internship
On demand. 1-15 semester hours. EL.
This course is a guided work experience in an already established place of business. The student must arrange the internship in agreement with the instructor and the office of career services. The internship should relate to the student’s major or minor area of study. Contract is required. Prerequisites: junior or senior standing and permission of professor.

THR 471
Shakespeare
Spring semester, alternate years. 3 semester hours. FA.
Students are provided with an advanced examination of representative Shakespearean plays. The emphasis will be placed equally upon script analysis and the acting process.

THR 483
Senior Project
On demand. 3 semester hours.
A course designed for seniors as a culmination of study in their area of concentration. Requirements for this course can be met in one of four ways:
1. Technical: A student must complete a design for lights, costumes, and/or sets for a Rocky Mountain College or Billings Studio Theatre production. Journals and analysis required;
2. Directing: A student will direct a full-length play during Rocky Mountain College’s main season. Journals and analysis is required;
3. Acting: A student will act a major role in a full-length play. Journals and analysis required;
4. Play writing: A student will write a play and arrange for a public reading of that play. Journals and analysis is required.
   Theatre faculty must approve each project prior to the student’s senior year.

THR 490
Seminar
On demand. 2-3 semester hours.
Selected topics in theatre are explored.

THR 499
Independent Study
On demand. 1-3 semester hours.
This course allows a superior student to devise and pursue independent study in an area agreed upon in consultation with, and supervised by, a faculty member. Students should be either a major or minor and have a cumulative GPA of 3.00 or greater. Prerequisite: junior or senior standing.
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Assistant to Director of Financial Assistance, Jessica Francischetti, BA  
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Head Varsity Women’s Basketball Coach, Brian Henderson, BS  
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Head Varsity Women’s Soccer Coach, Richard Duffy, BUS, MM  
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Area Coordinator (West)/Director of Student Activities, Stephanie Lee, BA  
Student Activities Programmer, Cara Crawley  
Residence Director, Jorgenson, Jayson Schofield
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  Aviation
  Business Administration and Economics
  Computer Science
  Equestrian Studies
  Management

Humanities and Fine Arts - Victoria Christie, Chair
  Art
  Communication Studies
  English
  Environmental Studies
  Foreign Languages and Literatures
  Music
  Native American Studies
  Philosophy and Religious Thought
  Theatre Arts

Natural Sciences and Math - Jennifer Lyman, Chair
  Biology
  Biochemistry
  Chemistry
  Environmental Sciences and Studies
  Geology
  Mathematics
  Physics

Social Sciences and Education - Barbara Vail, Chair
  Education
  History and Political Science
  Library
  Physical Education and Health
  Psychology
  Sociology/Anthropology

School of Allied Health – Dr. Scott Murray, Interim Director
  Physician Assistant


Daniel Albrecht, Associate Professor of Biology (2002). BA, St. Olaf College. MS, University of North Dakota. PhD, University of New Mexico.

James D. Anderson, Visiting Assistant Professor of Business Administration/Economics (1999). BS, Rocky Mountain College. CMT.


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Mark Jones, MD
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**Arthur H. DeRosier, Jr.,** Professor Emeritus, History/Political Science (1987-2002). BS, University of Southern Mississippi. MA, PhD, University of South Carolina.


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- Deaconess Billings Clinic Emergency Department
- Deaconess Billings Clinic Orthopedics
- Deaconess Billings Clinic Urgent Care
- Denver Health Medical Center
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- Department of Veterans Affairs-Helena Generations
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- Holy Rosary Health Center
- IHC Layton Clinic
- Kalispell Regional Medical Center
- La Loma Luz Medical Center
- Livingston CHC
- Marshfield Clinic/Medical Education
- MeritCare Medical Center
- Montana Orthopedics and Sports Medicine
- Montana State Hospital, Warm Springs
- Montana Chemical Dependency Center
- North Big Horn Hospital Orthopedic Surgeons
- Partnership Health Center Sacred Heart Medical Center
- SEARCH/Deering Clinic Sheridan VA
- Sioux San Hospital/IHS
- St. Joseph Regional Medical Center, ER Department
- Surgical Associates of Bozeman
- Swedish Health Services University of Wyoming Family Practice-Community Health Center
- Veterans Affairs Clinic-Bozeman
- West Park Hospital
- Wellness Center
- West Park Hospital


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Barbara Crews, Educator (Retired), Casper, WY
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Jack Dorgan, Petroleum Executive (Retired), Palo Alto, CA

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Jodie Erikson, Aurora, MN
Nancy Erfle, Attorney, Portland, OR
Harrison Fagg, Chairman, Architect, HGFA Architects, Billings, MT
Honorable Russel Fagg, State District Court Judge, Billings, MT
Alice Forbes, CPA (Retired), Great Falls, MT
Dale Forbes, Attorney (Retired), Great Falls, MT
Michael Greer, President/Managing Partner, Property Management, Frankfort, KY
Pat Greer, President/Managing Partner, Property Management, Frankfort, KY
Charles Grenier, Whitefish, MT
Teresa Grenier, Whitefish, MT
Thomas Harper, Business Leader, Greyhound Lines, Inc., Billings, MT
Dr. Judy Henry, College Professor (Retired), Red Lodge, MT
Dr. Paul Henry, Manager, Jet Propulsion Laboratory (Retired), Red Lodge, MT
Jack Heyneman, Bench Ranch, Fishtail, MT
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Neil Isto, Executive, Shell Mining Company (Retired), Joliet, MT
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Marilyn Kohles, Civic Leader, Billings, MT
Gale Lair, President, Lair Petroleum, Inc., Big Timber, MT
Scott Lillie, President, Creative Leadership Group, Billings, MT
Gary Luhr, Executive Director, APCU, Louisville, KY
Honorable Judy Martz, Business Leader/Former Governor, Helena, MT
Dr. Melinda McClanahan, Associate Director, National Center for Environmental Research & Quality Assurance, Annapolis, MD
Sanford McDonald, Business Leader (Retired), Aurora, MN
Juanita McIntire, Billings, MT
Stan McIntire, Billings, MT
Patti Morledge, Civic Leader, Billings, MT
Bonnie Morscheck, Counselor/Therapist, Spokane, WA
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ACADEMIC CALENDAR 2005-2006

First Semester - Fall 2005

New students arrive (Tuesday)  
New student validation due (Friday)  
Returning Student validation due (Monday)  
Classes begin, Internship contracts due (Monday)  
Late validation penalties in effect (courses deleted and late fee charged)  
Labor Day Vacation  
Last day to add a course  
Last day to drop a course without record on transcript. (all class charges final)  
Mid-term grades due in office of the registrar  
Mid-term Break  
Last day to drop a course with a “W”  
Registration weeks  
Graduation applications due in office of the registrar  
Thanksgiving Vacation  
Last day of classes  
Final examinations  
Final grades due in the office of the registrar by noon  

Second Semester - Spring 2006

Validation due  
Classes begin, Internship contracts due (Monday)  
Late validation penalties in effect (courses deleted and late fee charged)  
Martin Luther King Day Vacation  
Last day to add a class  
Last day to drop a course without record on transcript. (All class charges final)  
Mid-term grades due in office of the registrar  
Mid-term Break  
Last day to drop a course with a “W”  
Registration weeks  
Easter Vacation  
Last day of classes  
Final examinations  
Baccalaureate  
Commencement  
Final grades due in the office of the registrar by noon  

May term  
June term  
Combined term

Please Note: Registration weeks for fall semester 2006 are March 13 - 31, 2006. See your advisor and submit your schedule to the registrar’s office during this time for priority registration. Returning students not registered for fall semester’s classes by April 30, 2006, will forfeit some and perhaps all of their institutional financial assistance.
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Accreditation

Rocky Mountain College is accredited by the Northwest Commission on Colleges and Universities, 8060 165th Avenue NE, Suite 100, Redmond, Washington 98052-3981, and by the Office of Public Instruction for the State of Montana for the preparation of elementary and secondary teachers. The physician assistant program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).

Rocky Mountain College reserves the right to withdraw courses at any time, change the fees, change the rules and calendar, regulate admission and graduation requirements, and change any other regulations affecting the student body. Changes shall become effective whenever the proper authorities so determine and shall apply not only to prospective students but also to those who at the time are matriculated in the College. Information in the catalog is correct according to information available to the Rocky Mountain College administration at the time of publication.