



Carroll

MONTANA



Carroll College
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History of Carroll College

At the beginning of the 20th century, Bishop John Patrick Carroll, second Bishop of the Diocese of Helena, had a dream to build a Catholic college in western Montana. In 1909, that dream became reality when William Howard Taft, 27th President of the United States, helped lay the cornerstone of St. Charles Hall.

In September 1910, Mount Saint Charles College opened its doors for classes, and the first college student graduated in 1916. In 1932, the school's name was changed to Carroll College in honor of its founder. Since then, Carroll has progressively expanded its programs, facilities, and reputation for academic excellence. Carroll remains committed to a value-oriented education, one that prepares students for careers while providing for the intellectual, spiritual, imaginative, moral, personal and social development of each individual.

Accreditation

Carroll College is accredited by the Commission on Colleges of the Northwest Association of Schools and Colleges, a regional accrediting body recognized by the U.S. Secretary of Education and/or by the Council of Postsecondary Accreditation (COPA)/Commission of Recognition of Postsecondary Accreditation (CORPA). The Northwest Association of Schools and Colleges is located at 11300 NE 33rd Place, Suite 120, Bellevue, WA 98440. Carroll holds membership in the National Association of Independent Colleges and Universities, the American Council on Education, the Council of Independent Colleges, the Association of Catholic Colleges and Universities, and the Western Independent College Fund.

Carroll's nursing program is accredited by the Commission on Collegiate Nursing Education and is approved by the Montana State Board of Nursing. The aforementioned nursing accrediting commission is a specialized accrediting body recognized by the U.S. Secretary of Education.

Carroll's teacher education program is approved for certification purposes by the State of Montana Board of Public Education with reciprocity granted in a large number of individual states.

The civil engineering program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. Telephone: 410-347-7700.

Carroll College Statement of Goals

The Carroll College Mission Statement and Ex corde Ecclesiae have guided and directed the development of this statement of goals. This Goals Statement is envisioned as the application of the Mission Statement to the Carroll graduate of the 21st Century. The Carroll graduate:

1. Recognizes that the search for and sharing of the Ultimate Truth and the Ultimate Good is the primary goal of the Catholic liberal arts education
2. Has acquired the aesthetic, scientific, and religious insights required to solve normative and factual problems
3. Possesses the full range of skills necessary for effective communication

4. Appreciates the interrelationships among branches of knowledge
5. Embraces a strong sense of physical, mental, emotional, and spiritual health
6. Possesses the skills and attitudes necessary to pursue a vocation that is self-fulfilling and community enhancing

Carroll College Mission Statement

Carroll College is a Catholic, diocesan, liberal arts college in the ecumenical tradition of the Second Vatican Council. As a liberal arts school, Carroll College acknowledges the practical role of preparing its students for a career, but it also affirms the traditional role of providing for the expansion of the intellectual, imaginative, and social awareness of its students. It is dedicated to providing for its students the means for their full realization of a dual goal of vocation and enlightenment. Thus, while providing substantial professional and pre-professional programs, the College encourages and expects all students to participate in a broad spectrum of academic disciplines.

As an academic community, Carroll College affirms its commitment to the principle of freedom of inquiry in the process of investigating, understanding, critically reflecting upon, and finally judging reality and truth in all fields of human knowledge. As value-oriented, Carroll College is committed to and deeply involved in the further dimension of free deliberation and decision making regarding values and personal commitment. Each student at Carroll, through personal and institutional means, is exposed to value systems with which one can readily identify, including secular values such as the worth of work and the use of the intellect, humanistic values centering on the uniqueness and dignity of the person, and religious and moral values concerned with one's relationship to God, self, and others.

As a Catholic college, Carroll is obligated to treat judgments concerning ultimate reality and decisions concerning ultimate value at both an academic and a pastoral level. This obligation involves the College's relationship to the Magisterium of the Catholic Church, defined as "the perennial, authentic, and infallible teaching office committed to the Apostles by Christ and now possessed and exercised by their legitimate successors, the college of bishops in union with the pope." Carroll College is committed to present faithfully within its curriculum the magisterial teachings of the Catholic Church. At the same time, it acknowledges the special role of the theologian, who—although not a part of the authoritative teaching body of the Church—makes available to the Magisterium his or her scientific competence, while acting as a mediator between religion and culture by carrying on an academic dialogue with philosophy, science, the liberal arts, the believing community, and secular society.

As a college founded by and related to the Diocese of Helena, Carroll has a special obligation to provide for the spiritual needs of the college community. At the same time, the resources of the College's Theology Department, and campus ministry organization are available for the special religious needs of the diocesan community as a whole. Moreover, Carroll College rededicates its spiritual, academic, and social resources to the service of the citizens of Montana, its home, and to the worldwide human family through continuing efforts to guarantee to individuals, to groups, and especially to minorities the right to life, to personal and social dignity, and to equality of opportunity in all aspects of human activity.

In the ecumenical tradition of the Second Vatican Council, Carroll College is committed to a policy of open participation by members of all religious faiths and all persons of good will in the total academic and spiritual experience of the college community. While standing fast by the teaching of the Catholic Church, and avoiding a false conciliatory approach foreign to the true spirit of ecumenism, Carroll College welcomes in love and respect the full participation of other Christians and non-Christians in an ecumenical dialogue and in a truly humble and charitable joint venture in the common search for the Ultimate Truth and the Ultimate Good which is the final goal of all education.

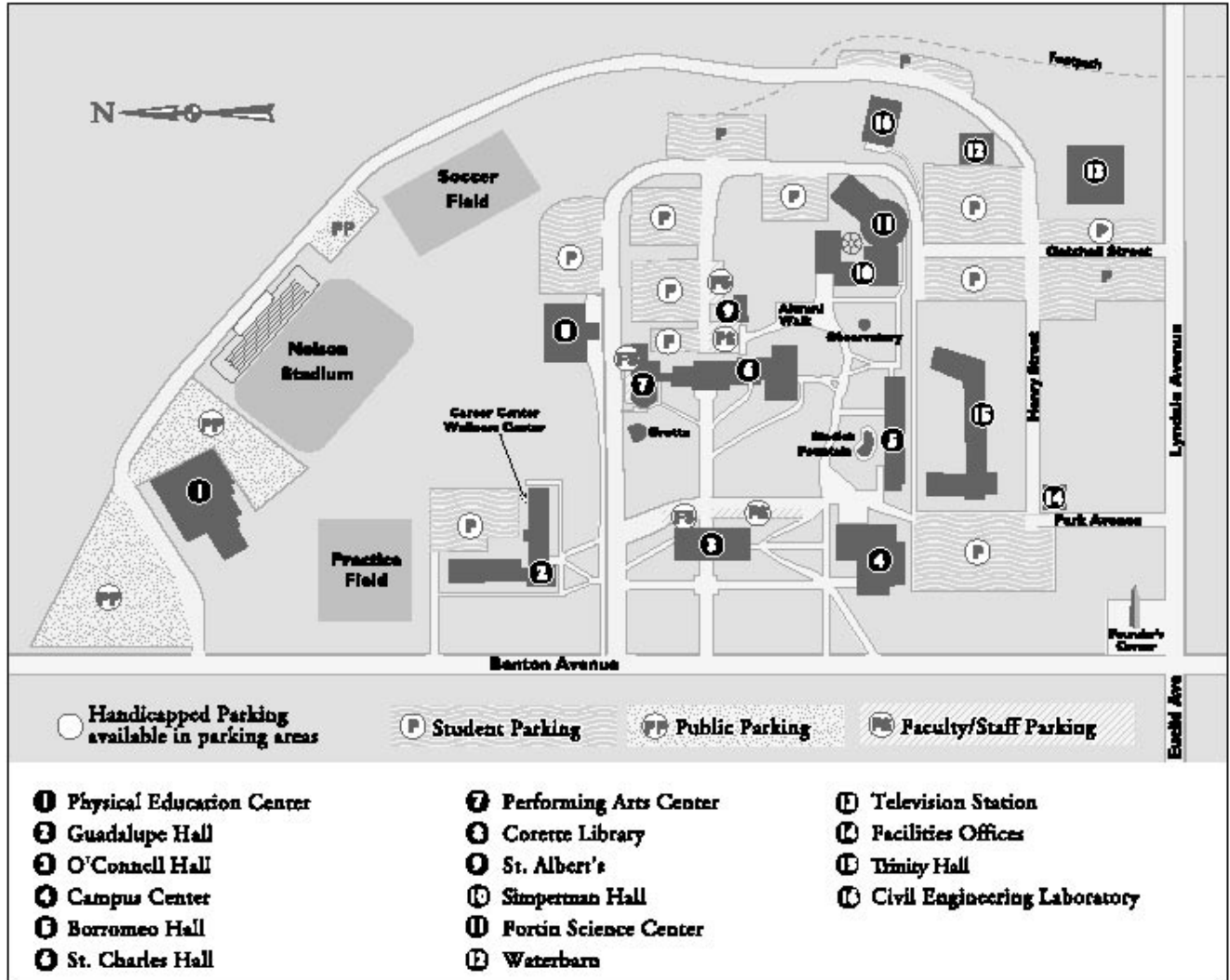
Officially adopted by the Carroll College Board of Trustees May 26, 1978

Nondiscrimination Policy

Carroll College does not discriminate against any student or individual on the basis of race, color, gender, age, religion, ethnic origin, or handicap in any of its programs or activities. Carroll College is an equal opportunity employer. The Equal Employment Opportunity Officer is responsible for development, implementation, and management of all equal opportunity programs for Carroll College in order to assure nondiscrimination and affirmative action consistent with all lawful requirements.

Catalog Disclaimer

This Carroll College Catalog is a document of record issued in 2006 for one year. This catalog contains current information regarding admission, degree requirements, academic policies, course offerings, and fees. It is not intended to be and should not be relied upon as a statement for the College's contractual undertakings. Carroll College reserves the right to modify academic policies, course content, degree requirements, or fees whenever it is deemed necessary or desirable; in any such case, notice thereof will be given as is reasonably practical under the circumstances.





OVERVIEW

Campus Buildings

Borromeo Hall (1957): Known campus-wide simply as Borro, this campus residence provides housing for 57 sophomores, juniors and seniors in single rooms. The building features a chapel, computer lab, recreation room, kitchen, classroom, faculty offices and the offices for the Forensics team and Career Services and Testing. Residents' rooms are equipped with high speed Internet, phone and cable television connections. The building is named

for St. Charles Borromeo, patron saint of the college. **Carroll Campus Center (1961)** renovated 1998: The most popular student appellation for this hub of campus life is The Cube, but there's nothing square about it. The Cube contains the student center, main dining hall, private dining and meeting rooms, Saints Shoppe (bookstore), snack bar and coffee bar, multipurpose areas, acting studios, a dance studio and ASCC and student club offices.

Civil Engineering Laboratory (2003): Housing a laboratory, a 24-seat classroom and two offices, the Civil Engineering Laboratory was completed in spring 2003 as the newest addition to Carroll's nationally award-winning CE program. The 4,290 square-foot laboratory facility provides our junior- and senior-level civil engineering students with materials, hydraulics, machinery and structures-testing capabilities and offers a location where they can work on the American Society of Civil Engineers' concrete canoe and bridge design competitions.

Fortin Science Center (2000): This state-of-the-art building, outfitted with new, high-tech research equipment, holds eight laboratories for general science and chemistry plus faculty offices, study areas, a computer lab, and a lobby.

Library (1979): Named in honor of Jack and Sallie Corette, Carroll's library provides reading and study areas, reference, reading, music, microfilm, periodical, computer access, biomedical areas and audiovisual resources.

Neuman Observatory (1937): Montana's oldest astronomical observatory houses a 14-inch reflector telescope and is home to Carroll's Neuman Astronomical Society, which offers celestial viewing sessions open to the college community.

Nelson Stadium (2001): Named for Carroll Hall of Fame honoree Warren Nelson, Nelson Stadium offers Carroll fans a spectacular place to watch Fighting Saints Football or Women's Soccer games with Mount Helena in the background. The stadium consists of indoor and outdoor seating, vista suites, press box, coaches booth, team rooms, concessions and restrooms. On a home football game weekend, Carroll fans will fill the seating in the stadium and take advantage of the hillside seating inside the fence. Carroll soccer games offer fans stadium seating with great views of the action on the field.

O'Connell Hall (1966): Carroll's administration building houses the registrar's office, business office, admissions, financial aid, housing, student life, academic affairs, human resources, faculty offices and senior administration offices on the upper floor. The lower level of the building features classrooms, education resource lab and the information technology office which offers technical support, web development and computer use help desk. O'Connell Hall is named in honor of Carroll supporter J.E. "Eddy" O'Connell.

Old North Performing Arts Center (1917): Pack it over to the PAC to take in highbrow entertainment or a rip-roaring comedy throughout the academic year. The PAC's artsy image belies its beginnings as the college's original gymnasium. Now purged of its athletic roots, the PAC is now used for instruction, performance and

display by the performing arts, visual arts, dance and music programs.

Our Lady of Guadalupe Hall (1961): Our Lady of Guadalupe Hall, known as Guad Hall, consists of two separate wings-- four floors for first-year women in St. Mary's Wing and three floors for first-year men in St. Joseph's Wing--joined together with a chapel, computer lab, lounge, TV and recreation room, kitchen and classrooms. Residents' rooms are equipped with high speed Internet, phone and cable television connections. The freshmen residence hall has a capacity to house 350 first-year residents and features the Health Center and Counseling Services offices in the Wellness Center located on the lower level of the building

Physical Education Center (1970): Home to what many revere as Helena's coolest swimming pool, the PE Center is a multipurpose facility also featuring a gymnasium, fitness center, athletic training facilities, classrooms and offices.

Simperman Hall (1957 renovated in 2000): Where does the Fortin Center end and Simperman begin? Alas, the two science facilities are conjoined like a cell undergoing mitosis. Within Simperman are a vast lecture hall, classrooms, laboratories, computer labs, clinics for science and nursing, an academic resource center and faculty offices.

St. Albert's (1925): St. Al's was originally built to house the Dominican Sisters whom Bishop Carroll brought to campus to cook for, maintain and clean the entire campus. Since the nuns left, this facility has been the student center, faculty offices, and then the Office for International Programs. Today St. Al's is the Alumni and Development Center for Carroll.

St. Charles Hall (1909): The founding cornerstone of the Carroll campus, St. Charles Hall provides housing to up to 247 sophomores and features a chapel and Campus Ministry offices in the Kirchen Pastoral Center, International Programs offices, Honors Program, visual arts studio, art gallery, campus mail center, faculty offices and classrooms. Residents' rooms are equipped with high speed Internet, phone and cable television connections. The north wing consists of the Old North Performing Arts Center and the south wing holds student housing. Both wings were added in the 1920's. St. Charles Hall is one of two buildings on campus named for the college's patron saint, St. Charles Borromeo.

Television Station (1998): How many schools can say they have a network TV station right on campus? Carroll is one of the few that can. Sunbelt Communications, Inc. constructed their NBC affiliate station, KTVH Channel 12, on the campus' southern fringe. Carroll also has a dedicated multi-media classroom in the building.

Trinity Hall (2003): This campus residence features apartment-style suites for juniors and seniors designed to hold 204 residents in two-person or four-person suites. Each suite contains a living room, kitchenette and bathroom. Most of the suites consist of four private bedrooms. Residents' rooms are equipped with air-conditioning, high speed Internet, phone and cable television connections. This campus residence has a chapel, computer lab, lounge with kitchenette and indoor bike storage.

Waterbarn (renovated 1994): We may never know what was christened this building, but today it's a haven for the theatre crowd with in-barn performing arts studios, a costume shop, classrooms and faculty offices that remain

surprisingly dry throughout the year.

Educational Facilities

Academic Resource Center

The Academic Resource Center houses a variety of services: academic counseling, workshops, and advice on study skills. In addition, the ARC director coordinates accommodations for physically and/or learning disabled students. ARC also offers peer tutoring in a number of academic areas such as writing, chemistry, math, accounting, foreign languages, and anatomy and physiology. Located on the first floor of Simperman Hall, ARC provides free services to all Carroll College students.

Biology Labs

The biology program (second, third and fourth floors of Simperman Hall) has eight laboratories for instructional courses and student research. The department also maintains a greenhouse, a cadaver lab, animal room, a cell culture lab and a molecular biology lab. Equipment includes fluorescence and differential interference contrast microscopes, an ultracentrifuge, computer-assisted data acquisition systems, electrophoresis equipment, and two PCR thermocyclers.

Chemistry Labs

The chemistry program (first and second floors of the Fortin Science Center) has four instructional laboratories and two instrumentation rooms. All labs are fully equipped with computer drops and are internet accessible. The organic lab has hoods for every student. Equipment includes NMR, FT-IR, ICP, HPLC and uv-vis spectrometers.

Civil Engineering Lab

The 4,290 square-foot laboratory facility provides civil engineering students materials, hydraulics, machinery and structures-testing capabilities and offers a location where they can work on the American Society of Civil Engineers' concrete canoe and bridge design competitions.

Education Lab

The Department of Education: Health, Physical and Teacher maintains an Educational Resource Laboratory for students majoring in elementary and secondary education. In addition to a wide selection of children's textbooks, teacher's manuals and curriculum guides, the laboratory serves as a center for the construction of classroom-related materials and as a depository of audio-visual resources. The pre-service teacher is encouraged to use the varied resources of this center.

Learning Research Laboratory

Carroll's Psychology Department maintains a six-station learning research laboratory, adaptable for either human or animal research, an observation facility and a wide range of testing materials to serve students and faculty.

Library

The Corette Library offers a variety of study areas for group and individual study and a computer lab. The Library's collection includes 94,000 volumes, 3,000+ LP records, 800 cassette and reel-to-reel tapes, over 200 video cassettes and 700 current journal titles with periodical holdings of over 900 titles. The Corette Library is a partial depository for United States Documents and maintains membership in various organizations to promote effective service to the College's faculty and students. The Corette Library is a member of the Consortium of Academic and Special Libraries in Montana (CASLIM), the Helena Area Health Science Libraries Consortium (HAHSLC), Bibliographic Center for Research (BCR), Northwest Association of Private Colleges and Universities (NAPCU), On-Line Computer Library Center (OCLC), Montana FAXNET and the National Network of Libraries of Medicine.

The Corette Library catalogs via computer with OCLC. In 1993, the Corette

Library inaugurated an integrated on-line book catalog (OPAC) and circulation system. CD-ROM indices available for student use include Academic Index, Cumulative Index to Nursing and Allied Health Literature (CINAHL), ERIC and the GPO Monthly Catalog. Services offered by the Corette Library include reference, interlibrary loans, bibliographic instruction, orientation and on-line reference service with Dialog, EPIC and Medlars.

Nursing Lab

The fourth floor of Simperman Hall houses the nursing program and its new lab facilities. The lab features a variety of practice mannequins, including a state-of-the-art SimMan capable of simulating a wide range of real-life illnesses and injuries. Also located on the fourth floor are conference-classrooms and departmental offices.

Music Lab

The music program maintains a 12-piano studio, wired for both individual and group instruction, and an electronic synthesizer.

Physical Education Center

Facilities of the P.E. Center include a multipurpose arena, 25-yard swimming pool, four handball courts, six locker and shower rooms, athletic weight training facilities, a fitness center with cardio machines and selecterized weight machines, a dance studio, five classrooms, a conference room and faculty offices. Community and area facilities are utilized for instruction and competition in bowling, golf, softball and skiing. All Carroll students are admitted to the P.E. Center free of charge by presenting their student ID card.



Recreational Services and Athletics

Philosophy Statement

In affirming its traditional role of expanding the intellectual, spiritual, imaginative, physical, and social awareness of the students, Carroll College is committed to providing diverse programs of recreational and intercollegiate athletics. An integral part of the total educational experience, the recreational and varsity programs are designed to meet the needs and interests of Carroll's students, faculty, and staff. Student participation is promoted by programs that offer a wide variety of athletic opportunities in varsity and recreational sports. Equal access is provided in all sports for men and women with broad participation of all students encouraged. Participation in the intercollegiate and recreational programs enhances a student's well being, supplements the instructional and spiritual programs of the College, and promotes positive societal attitudes.

Further, the Carroll College recreational program gives special emphasis to the impact of athletics on the participants and provides opportunities for students, faculty, and staff to participate in a wide range of activities. The College is committed to providing adequate funding, facilities, and competent administration of the recreational program, and a variety of traditional and lifetime sports are to be offered throughout the academic year. Carroll supports the positive societal attitudes that are developed through a recreational program and encourages all students, faculty, and staff to participate on a regular basis throughout their years at Carroll.

In addition, the intercollegiate athletic program at Carroll is a part of the educational community and is maintained as a component of the educational process. In this educational role, the athletic program transmits the College's values and beliefs, such as honesty, leadership, respect for others, and concern for physical and emotional health, to the general public and thus provides a continuing link to the alumni. Carroll is concerned about academic integrity, and accordingly admission, academic standing, and academic progress of student athletes are consistent with the policies and standards adopted by the College. The program provides opportunities for students' involvement, both as spectators and participants, as well as opportunities to compete with students from other institutions. Student athletes and coaches are positive role models and are an integral part of the Carroll community.

Intramurals

The intramural program offers a variety of activities so that all students have the opportunity to develop an interest in lifetime activities while they are at Carroll. Men's, women's, and coed competition is offered on both an individual and a team basis. College insurance does not cover injuries sustained during intramural sport events or sports activities.

Intercollegiate Athletics

Carroll supports an active and viable athletic program. As members of the Frontier Conference, the Saints are affiliated with the National Association for Intercollegiate Athletics. The Conference provides competition in football, volleyball, men's and women's basketball, women's soccer, men's and women's golf and men's and women's cross country. The Saints have developed and strive to maintain a rich tradition of athletic success in national ratings and post-season play-off opportunities.

Athletics are an important part of the College's life and provide a source of student, faculty, and community involvement. There is a strong emphasis on the athlete as a student, and Carroll athletes are highly successful in this area. Carroll students are encouraged to try out for varsity teams if their talent and interest make that appropriate. To be eligible to participate in intercollegiate athletic contests, a student must:

1. Be of approved physical condition as evidenced by certification from a physician;
2. Meet requirement for classification as a full-time student in good standing;
3. Be eligible to play the designated game according to rules, policies, and approved practices of the College, the Frontier Conference, and NAIA.

Carroll provides scholarship assistance, and it is important that student athletes and coaches know and comply with the letter and spirit of the athletic policies adopted by the administration. In addition, the College provides students participating in intercollegiate athletics with accident and hospitalization insurance.



Information Technology

Campus Computing and Information Technology (CCIT), located in room 113 O'Connell Hall, manages all campus computing and telecommunication systems. Technology support is offered to students, faculty, and staff through the CCIT Help Desk during regular college office hours by calling 447-HELP (4357) or by stopping by the office. Students who need support after regular office hours may contact the Resident Technical Assistant (RTA) in their residence hall or can receive help in the Simperman Hall computer labs during open lab hours. You will find the latest information regarding our computing services online at www.carroll.edu/offices/ccit.

All Carroll College students, faculty and staff are given account access to the college LAN network. Most computers on campus are fully networked, providing access to a variety of Carroll servers, printers, e-mail, and the Internet. All residence halls are wired for network connections. Students with their own computer and a compatible network card may connect to Carroll's network services (including Internet & email) in their rooms. Wireless access to the network is available in many classroom buildings, the library and the campus center. All students, faculty and staff must follow Carroll's Acceptable Use Policy (AUP) when using any of the college's computing resources. The AUP is available in the student handbook or online at www.carroll.edu/offices/ccit.

Students are provided with a web-based Student Information System for online registration and access to course and billing information. Students are encouraged to update their contact/emergency information through this online system. Inquiries concerning the information tracked on the Student Information System should be made by contacting the office responsible for the information; e.g., the Registrar for grades, transcripts, or schedules; the Admission Office for applicant data; the Business Office for account charges, etc. Because our telephone system is digital, your phone and answering machine from home will not work in the residence hall. Your phone number is registered to the room you are staying in. If you move, the number stays with the room and you will receive a different number in your new room. The area code for the college is (406) and the prefix is 447-XXXX. You will need a PIN number to make long distance calls or to dial an (800) number (including a calling card.) You may sign up for a PIN (personal identification number) at the reception desk/main switchboard in the upper lobby of O'Connell Hall. Stop by the reception desk in O'Connell Hall or call (406) 447-4300 if you have any questions about Carroll's phone system.

Academic Computing

Carroll offers over 100 networked lab computers for student use on campus. General-use labs are located in Simperman Hall, the Fortin Science Center, the Corette Library, and each residence hall in addition to some smaller departmental labs in Music, and Engineering. Most computers are the latest Pentium model running Windows XP. The Music and Multimedia Labs utilize Macintosh computers. Most computers have Microsoft Office, and Internet browser software installed. Other academic software is installed each semester to meet specifications for various courses. Talk to your professor to learn which labs contain the software needed for your course. Classroom computer labs are generally open from 8 a.m. until 12 midnight while residence hall labs are open 24 hours/day. Printers are available in each lab along with additional resources such as scanners and CD burners. Details about each lab location, hours, and type of equipment available may be found online at www.carroll.edu/offices/ccit. Almost ninety percent of

Carroll's classrooms are equipped with multimedia technology, including a computer, projector, VCR, DVD and speakers. Additional equipment is available for checkout from the CCIT department for rooms that are not currently multimedia enabled.

Software Copyright Restrictions

It is the policy of Carroll College to respect authors' copyrights for any material that may be brought into the computer facilities. The College will not copy and/or distribute any software that has been copyrighted and is not clearly in the public domain, nor accept such software from others. Personnel will endeavor to prevent others from using college facilities for such purposes. This policy applies to students, faculty, staff, and visitors. Should a person using the computer facilities knowingly engage in the duplication of copyrighted software or knowingly receive such copies made on Carroll College facilities, grounds will exist for barring that person from further use of the computer facilities. The College assumes no legal responsibilities for individuals violating copyright laws. The individual is subject to legal action brought by the copyright owners. If you have any questions regarding the computer facilities, please contact Campus Computing and Information Technology at (406) 447-4357.



Admission

Carroll College actively supports equality of opportunity for all persons without regard to sex, race, religion, ethnic background, or disability. Applications from members of racial and ethnic minorities are strongly encouraged.

Degree Candidates

Degree candidates are those who have made application, through the Office of Admission, for a course of study leading to the Bachelor of Arts or Associate of Arts degree. Degree candidates may be enrolled on a full-time or part-time basis.

General Requirements

Accepted candidates are those who, in the view of the Committee on Admission, are likely to become successful members of the Carroll community. It is expected that all applicants will demonstrate a strong academic background. For that reason, a selective admission policy is practiced. Carroll does not establish quotas or standardized admission requirements. Decisions are based on a student's work during high school,* verbal and quantitative skills, secondary school report/letter of recommendation, demonstrated commitment to intellectual achievement, and performance on standardized college entrance examinations. In the case of transfer applicants, the college work already completed is considered.

All candidates must submit some or all of the following materials:

1. Completed application form (available from the Office of Admission or online at www.carroll.edu)
2. Official transcripts from high school or GED scores, and if applicable, official transcripts from all colleges previously attended. To be considered official, transcripts must be sent directly from the high school and/or other colleges to Carroll.
3. Secondary school report/letter of recommendation;
4. ACT, SAT, or ASSET test scores;
5. A non-refundable application fee of \$35.00.

In the event of a question concerning the applicant's admission, additional information and/or a personal interview may be requested.

*Please note: If a student graduates from a non-accredited high school or home school program, he/she may be required to submit additional information (e.g. SAT II subject tests) and/or other documentation about his/her educational program. If required, SAT II subject tests will be in Math Level IC, and a subject of the student's choice. The SAT II subject tests are offered in conjunction with the SAT I Reasoning Tests. Dates and registration information can be obtained from any high school or from the College Board's website at www.collegeboard.com.

Traditional Freshman

A student under 21 years of age by September 1 of the enrolling year.

A complete admission file must include:

1. Completed application form, including personal statement
2. Official transcripts from high school, any college (s)

concurrently attended during high school, or GED scores (if applicable)

3. Official ACT or SAT scores
4. Secondary school report (A letter of recommendation may be substituted if the applicant has been out of high school for more than one year)
5. A non-refundable application fee of \$35.00.

Students who desire to enroll before completing the traditional senior year in high school (outside of our Advanced College Experience program) will be reviewed by the Admission Committee to determine the applicant's ability for academic and personal success.

The Admission Committee will consider ACT or SAT test scores posted on an official high school transcript as official. Otherwise, the applicant must have test scores submitted from one of the following entrance examinations: ACT or the College Board (SAT). The Carroll ACT identifying number is 2408 and the SAT identifying number is 4041. Traditional freshman applicants are encouraged to take admission tests by December of the senior year of high school in order for the Office of Admission to make a timely decision. Applicants may obtain testing information from any high school counseling office/career center or by writing to one of the following addresses:

ACT®
2201 North Dodge
P. O. Box 168
Iowa City, IA 52243

The New SAT®
The College Board SAT Program
P. O. Box 6200
Princeton, NJ 08541-6200

Carroll College has a rolling admission policy, with a priority admission deadline of June 1 for Fall semester and November 1 for Spring semester. Once the applicant's file is complete, the Office of Admission will notify the applicant of the admission decision within three weeks. **The offer of admission to traditional freshman students is contingent upon the successful completion of the senior year of high school.** To receive full consideration for maximum scholarships and financial aid opportunities, applicants must have a complete admission file by the priority admission deadline.

Traditional freshman applicants are strongly encouraged to follow a college-preparatory curriculum. While such a curriculum is recommended, it is not required in order for a student to be considered for admission to Carroll College. The following is a suggested list of classes for four years of high school:

- English - 4 years
- Mathematics - 3 years, including Algebra II
- Social Studies - 3 years, including U.S. History and U.S. Government
- Science - 2 years, including one lab science
- Foreign Language - 2 years
- Fine Arts (music, art, theatre) - 2 years
- Technology - 1 year

Non-traditional Freshman

A student over 21 years of age by September 1 of the enrolling year having no previous college experience, with the exception of courses taken as a

non-degree student at Carroll College.

A complete admission file must include:

1. Completed application form, including personal statement
2. Official transcripts from high school, any college(s) concurrently attended during high school, or GED scores (if applicable)
3. Official ASSET test scores
4. Letter of recommendation
5. A non-refundable application fee of \$35.00

Information on ASSET test administration can be obtained from the Carroll College Career Center, 1-800-992-3648 or (406) 457-2704.

Carroll College follows a rolling admission policy, whereby applications are reviewed as they are submitted and admission decisions are made at the time of application.

The application deadline for fall semester is June 1 and all supporting materials (transcript, test scores, etc.) must be on file no later than July 1st. The admission deadline for spring semester is November 1st and all supporting materials (transcripts, test scores, etc.) must be on file no later than December 1st.

Applications submitted and/or completed after the deadline may be delayed for review and jeopardize enrollment for the upcoming term.

Transfer Admission

Carroll welcomes applications from students whose educational interest will be served by transferring from other two-year or four-year colleges. Students are considered transfer students if they have completed one or more terms from a regionally accredited community college or four-year college. Transfer students may enter in either the fall or spring semesters.

Accepted candidates are those who, in the view of the Admission Committee, are likely to become successful members of the Carroll community and demonstrate a strong academic background. For that reason, a selective admission policy is practiced. Transfer students should have a minimum 2.50 overall college grade point average (4.0 scale) to be considered for admission.

A complete admission file must include:

1. Completed application form, including personal statement
2. Official transcripts from all college(s) previously attended and official transcripts from high school if fewer than 30 semester credits (or its equivalent) with a minimum of a "C" or 2.0 GPA at the college level.
3. ACT or SAT test scores if fewer than 30 semester credits (or its equivalent) with a minimum of a "C" or 2.0 GPA at the college level; the ASSET is used for applicants who have been out of high school for more than three years.
4. Letter of recommendation
5. A non-refundable application fee of \$35.00

To facilitate the transition between colleges, each transfer student is assigned to an academic advisor and will meet with that individual prior to registration. The advisor will discuss and arrange the student's program of study, taking into account previous college work, future goals, and Carroll College's expectations.

Carroll College follows a rolling admission policy, whereby applications are reviewed as they are submitted and admission decisions are made at the time of application.

The application deadline for fall semester is June 1 and all supporting materials (transcript, test scores, etc.) must be on file no later than July 1st. The admission deadline for spring semester is November 1st and all supporting materials (transcripts, test scores, etc.) must be on file no later than December 1st.

Applications submitted and/or completed after the deadline may be delayed for review and jeopardize enrollment for the upcoming term.

The offer of admission to transfer students is contingent upon the successful completion of collegiate course work.

Transfer of Credit

The following criteria will be used to determine whether or not a course from another college will be accepted for transfer credit at Carroll:

1. The course in question must be from a regionally accredited college or university;
2. The student must have received a "C" or better in the course;
3. The course must be academic in nature;
4. A maximum of 60 lower-level credits (100-200 level) may be transferred into Carroll College. Exceptions require the approval of the Vice President for Academic Affairs;
5. At least one-half of the credits required in the major and minor, must be taken at Carroll College;
6. Of the final 40 semester credits earned toward the baccalaureate or associate degree, a minimum of 30 semester credits must be earned at Carroll College. See requirements for graduation as described in this catalog;
7. Only 2 semester hours or the equivalent in physical education activity courses (e.g., swimming, skiing, etc.) are transferable;
8. Courses taken on a pass/fail basis will not be accepted into the major. NO more than 4 such courses will be allowed toward graduation, whether they are taken at another institution or at Carroll;
9. Students who have taken courses abroad must take corresponding examinations abroad in order to receive credit;
10. Grades earned at other institutions are not calculated into the Carroll College grade point average except when determining honors thesis honors.
11. No credits will be given for any examination with less than a "C" or a 2.00 grade
12. Students are responsible for sending an original translated copy of their foreign transcripts directly to the Registrar's Office; and
13. The course cannot be graduate work.

International Student Admission

Carroll welcomes students from all nations. Not only does the College encourage interested international students to make application, but Carroll offers a variety of services for international students during their tenure at the College. International students who wish to attend Carroll College as degree or non-degree students will follow these guidelines:

1. The applicant must submit an International Student Application Form found online at: www.carroll.edu/academics/international/istudents/application.cc
2. All applicants must submit certified copies of all transcripts, diplomas, certificates, and degrees received, as well as certified copies of all subjects for which the applicant was enrolled or is presently enrolled. If records are not in English, the applicant

must submit an official certified translation. All credentials must bear the official school seal and signature and be sent directly to the Carroll College Office of Admission no later than June 1 for fall semester and November 1 for spring semester. Transcripts marked “issued to student” are unacceptable.

- Applicants whose native language is not English are required to submit official results on the Test of English as a Foreign Language (TOEFL) exam. The minimum score accepted is 550. The paper 213 computer and 80 iBT. Carroll College school code is 4041. Information concerning this test may be obtained from: www.ets.org/toefl/or

The Educational Testing Service
P.O. Box 899
Princeton, New Jersey 08540
U.S.A.

or from the nearest U.S. Consulate. Applicants from English-speaking Canada, the United Kingdom, Ireland, Australia, New Zealand, the Commonwealth Caribbean, or Guyana need not supply TOEFL results. English-speaking students must submit official ACT or SAT examination results.

Carroll College also accepts official IELTS scores. A score of 6.0 is the minimum score to be considered for acceptance, through a 6.5 or higher is preferred.

- The applicant must submit a certified statement from a banker or from a U.S. citizen who will accept responsibility for the student’s financial obligation. This statement must certify that the applicant will have funds available to meet all costs required to attend Carroll College each year the applicant is in the United States.
- All international students are required to furnish evidence of health insurance before registration can be completed.
- The applicant must submit an application fee of \$35 (non-refundable).
- International students will be expected to meet English language proficiency requirements. English competency may be demonstrated through appropriate TOEFL scores and an interview. Students who do not meet competency requirements will participate in the Carroll Intensive Language Institute (CILI) until they have developed English competency. Students who pass the advanced courses earn academic credit.

English as a Second Language at the Carroll Intensive Language Institute

The Carroll Intensive Language Institute (CILI) provides an opportunity for international students and non-native speakers of English to develop their English language skills. Students must be academically qualified and meet other admission requirements to enroll in CILI classes. However, students are not enrolled in Carroll degree programs until they have successfully mastered the necessary English skills. Students may apply to enter the CILI program at any time. CILI classes follow the Carroll academic calendar.

Upon acceptance into CILI, students’ English skills are assessed, and they are placed in the appropriate level. The length of time spent in the CILI program depends upon the student’s English abilities and motivation to complete the courses. Students are given credit for attending CILI classes, but the credits for the advanced courses do not apply toward degree requirements until the student is accepted and registered as a Carroll degree student.

Additional Admission Information

Admission Notification

Carroll College has a rolling admission policy, with a priority deadline of June 1 for Fall semester and November 1 for Spring semester. Once the applicant’s file is complete, the Office of Admission will notify the applicant of the admission decision within three weeks. The offer of admission is contingent upon the successful completion of high school or collegiate course work. Files that are incomplete or do not provide clear evidence of ability to pursue college level work will be held until further evidence is requested and received.

Provisional Admission

Based on their previous academic record, some new students enter Carroll on a provisional status. Provisional admission identifies students who may need special advising and learning assistance. Such students must meet the academic standards required of all students to achieve good standing.

Acceptance into a Major Program of Study

Acceptance into the College by the Office of Admission does not guarantee acceptance into a major program of study. Criteria for acceptance into a particular program can be obtained by referring to the appropriate section of this bulletin.

Enrollment Reservation (Advance Deposit)

Upon receiving notification of admission, admitted students must submit an enrollment reservation fee of \$300 and a completed enrollment reservation form to confirm their intent to enroll at the College. \$200 of the enrollment reservation fee acts as a deposit for miscellaneous charges (i.e. library fines, damage fines) while enrolled at Carroll and will be refunded to the student upon graduation or termination of studies if the student account is clear of all charges. The remaining is credited to tuition depending on the intended semester of enrollment.

Students admitted for Fall semester must submit the enrollment reservation fee and form by May 1 or within 30 days of acceptance, thereafter, to confirm their intent to enroll at the College. The fee is non-refundable after May 1. The priority for need-based aid will be given to those students who have made their enrollment deposit by May 1st. After May 1st need-based aid will be given in the order that the deposit is received if funds are available. For Spring semester, to confirm intent to enroll, admitted students must submit the enrollment reservation fee and form by December 15. The fee is non-refundable after that date.

Note: Although this is a non-refundable fee after May 1 for Fall semester or December 15 for Spring semester, it can be applied to either semester within one full academic year following the original application to enroll.

Re-Admission

Students who have been absent from Carroll College for one or more semesters are required to complete an application for re-admission available from the Office of Admission. A re-entering student who has attended another college/university since withdrawal from Carroll College must arrange for one official copy of the transcript from each institution to be submitted to the Office of Admission before the application will be considered. Students accepted for re-admission to Carroll will continue with the academic standing they had the last term they attended the College. Prior acceptance and/or attendance at Carroll College does not guarantee re-admission, see Academic Policies. A re-entering student who wishes to reside on campus must complete a Housing Application form. Re-admission to the College does not guarantee acceptance into college housing.

Campus Visit

Carroll invites high school juniors, seniors, college transfers, and non-traditional students interested in attending the College to visit the campus. Students may visit classes, speak with appropriate faculty and staff, stay in a college residence hall, and receive free meals for up to two (2) full days when the college is in session. Please contact the Office of Admission

7-10 days prior to the date of intended visit. Information regarding campus visits or any matters regarding admission should be directed to:

Carroll College, Office of Admission
1601 North Benton Avenue
Helena, MT 59625-0002
(406) 447-4384 or 1-800-992-3648
www.carroll.edu

of 3.25 and a recommendation from the high school counselor or parent if the student is homeschooled. Please contact the Admission Office at (406) 447-4384 for more information.

Non-Degree Students

Non-degree students are those who are enrolled at Carroll College, usually on a part-time basis, and who are not seeking an Associate of Arts or Bachelor of Arts degree.

Non-degree students must hold a high school diploma or its equivalent. Students must meet the requirements for good standing at Carroll in order to enroll for subsequent courses.

Enrollment Procedure

To enroll as a non-degree student at Carroll College, one must complete the following steps at the Office of the Registrar (1 and 2 below) and at the Business Office (3 and 4):

1. Complete the Non-Degree Student Application Form;
2. Complete registration according to the dates specified in the semester schedule;
3. Submit in full the \$35 application fee, as well as the standard tuition; and
4. Pay for other charges and appropriate special course fees.

Conversion to Degree Candidacy

Should non-degree students wish to become degree candidates, they must comply with all admission requirements as outlined in this bulletin. The non-degree student should keep in mind the following points:

1. A non-degree student is not guaranteed acceptance into a degree program of the College by reason of having taken courses at Carroll;
2. The non-degree student is obligated to fulfill the graduation requirements set forth in the college bulletin for the year of acceptance as a degree candidate; and
3. Non-degree students who are accepted as degree candidates must abide by all academic policies as outlined in the appropriate bulletin.

Auditors

Students may be enrolled as auditors upon payment of the usual fee and audit tuition. Auditors will not receive college credit for the course. A student cannot establish credit in an audited course by a challenge examination or by payment of additional tuition. Class participation is at the discretion of the instructor. It is the responsibility of the auditor to meet with the instructor at the beginning of the course to determine the level of participation and obligation required of the auditor. Certain programs and specified courses are not open to auditors. In all classes, students who register for credit and who pay regular fees will have priority over those students who register on an audit basis. Senior citizens over 60 years of age are accepted on an audit basis at reduced tuition costs.

Advanced College Experience Program (A.C.E. Program)

The ACE program is designed to give Helena area high school juniors and seniors the opportunity to complete academic course work (freshman and sophomore level) at Carroll. Students in the program are charged a reduced tuition cost per credit for up to 6 credits. While some restrictions apply, the ACE program is open to students with a minimum cumulative G.P.A.



Financial Aid

Financial aid administered by the Financial Aid Office is based on an evaluation of academic accomplishments, financial need, and availability of resources. Students may qualify for Carroll scholarships, awards and grants or federally sponsored grants, work, and loans. Information about eligibility, applying and accepting aid, and types of aid are outlined in this section. Some general points:

- Scholarships are awarded for each academic year.
- Awards are usually made in the spring for the following academic year.
- Carroll College does not discriminate on the basis of race, sex, color, creed, or national or ethnic origin in the administration of its scholarship program.
- Most scholarships administered by the College are divided evenly between fall and spring semesters.
- Scholarships are not awarded during the summer session.
- Recipients of selected awards must inform the donor and/or financial aid office of their acceptance.

The following is an example of how financial aid is determined.

The Board of Trustees approves the cost of attendance in February of each year for the following academic year. The costs for a full-time, resident student for 2007-2008 is as follows:

Tuition & Fixed Fees	\$19,290
Room and Board Allowance	\$ 6,608
Technology & Student Activity Fees	\$ 330
Personal Expense* Allowance	\$ 3,800
Total Cost of Attendance	\$30,028

*This estimate includes allowances for books, supplies, transportation, and personal expenses.

If the student has applied for federal financial aid, Carroll accesses the expected family contribution (EFC) information electronically from the federal processor. If Carroll is not indicated on the FAFSA as a school that should receive the Student Aid Report (SAR), the student must submit a copy of the SAR to the Financial Aid Office or contact the Federal processor and request that Carroll College be added. Carroll's school code is 002526.

Carroll subtracts the EFC from the cost of attendance. The resulting amount is financial need as per federal eligibility guidelines.

The calculation is as follows:

Financial Aid Cost of Attendance	\$30,028
Less: Calculated EFC (assume \$5,000)	\$ 5,000
Calculated Financial Need	\$25,028

Financial aid packages are developed using information available at the time of packaging and may be revised if enrollment status and/or financial status change.

Eligibility Requirements for Carroll Aid

- Possess a high school diploma or equivalent
- Priority given to students with FAFSA results submitted to Carroll by May 1st.
- Does not possess a baccalaureate degree.
- Enroll and be accepted to Carroll College as a degree seeking full-

time student.

Note: Full-time is 10 or more credit hours per semester. For some financial assistance programs students must be enrolled in at least 6 credit hours per semester.

Eligibility Requirements for Federal Aid

- Apply and be accepted to Carroll College as a degree student.
- Complete and submit the Free Application for Federal Student Aid (FAFSA) as soon as possible after the first business day in January and request that the information be sent to Carroll College, Title IV Code 002526. A FAFSA must be completed each year you apply for financial aid.

Note: Submitting a FAFSA ensures you are considered for all financial assistance from Carroll and the federal government. However, submitting a FAFSA is not mandatory.

- Review the Student Aid Report (SAR) sent by the processing center and submit necessary corrections to the Financial Aid Office.

Financial Aid Notification

Students who have been accepted for admission and for whom Carroll received results of the FAFSA on or before February 1 will receive need-based financial aid packages on or about March 1. The packages will contain all financial aid awards offered by and through Carroll College with directions as to how to accept and receive the awards. After March 15, students will receive financial aid packages as they are admitted to Carroll and the results of the FAFSA become available.

Students who do not apply for federal financial aid will not receive a need-based financial aid package. The priority for need-based aid will be given to those new students who have made their enrollment deposit by May 1st. After May 1st need-based aid will be given in the order that the deposit is received if funds are available.

Approximately 30% of all FAFSA applicants are selected for a process called verification by the Department of Education. In this process, Carroll College will be comparing information from the FAFSA with signed copies of the student (and parent's) Federal tax forms, W-2 forms or other financial documents. The law requires the college verify this information before awarding of Federal financial aid. If there are differences between the FAFSA information and supplied financial documents, Carroll College will make corrections electronically and notify the student in writing.

Verification must be completed no later than 14 days prior to the end of the first semester of enrollment. Failure to complete verification will result in the cancellation of all federal and institutional need-based aid. In addition:

- No federal loan(s) will be released until verification is completed.
- Students employed under the federal work-study program cannot work more than 60 consecutive days from the beginning of the semester without completing verification.

Carroll College must review the requested information, under the financial aid program rules (34 CFR, Part 668).

In some cases, the Financial Aid Office will re-evaluate financial aid awards based on special circumstances. If you or your family have special needs or have recently experienced unusual financial circumstances, please contact

the Financial Aid Office. A Special Circumstance form is available on the financial aid forms banks on the Carroll College website.

Financial aid is not available for repeat courses with a grade other than an "F". Financial aid is also not available for audit courses.

Accepting Financial Aid

- A financial aid package notification will be mailed and e-mailed to accepted students beginning March 1 or after Carroll receives FAFSA information.
- Acknowledge your acceptance of your financial aid by accepting and submitting to Carroll College your financial aid notification and other required paperwork.
- Financial aid, except for work awards and book vouchers, will be credited directly to your student account at the beginning of each semester.

Student Responsibilities

Upon acceptance and receipt of financial assistance of any kind, it becomes the student's responsibility to notify the Financial Aid Office in writing of changes in financial and/or enrollment status. A change in enrollment and/or financial status may result in revision of financial aid awards. Changes include:

- Change in the number of enrolled credits;
- Change in name, address, or telephone number;
- Change in financial status, including any additional scholarships, grants, housing changes or other benefits received; and
- Withdrawal from the college. Students who withdraw from Carroll College during a semester may be responsible for repayment of all or a portion of any financial aid received for the semester. Return of federal fund procedures are federally regulated. Contact the Financial Aid Office for additional information.

Scholarships and Awards

Freshmen students entering in academic year 2007-08

Presidential Scholarship	\$10,000 per year
Trustee Scholarship	\$7,500 per year
All Saints Award	\$6,000 per year
Founders Award	\$3,500 per year

All full-time students who have applied and been accepted to Carroll in the 2007-2008 academic year are automatically considered for the above guaranteed minimum scholarships and awards are based on official recalculated high school transcripts and test scores. Students must maintain a 2.00 or higher Carroll cumulative grade point average to retain the merit awards and all other Carroll scholarships and/or grants. Additional gift aid may be available for full-time students who submit a FAFSA and are determined to have financial need. New students must deposit by May 1st to be eligible for additional need-based Carroll gift aid.

Carroll institutional grants/scholarships will not exceed:

- On-campus students = Total of tuition/fees/room/board
- Off-campus students = Total of tuition/fees

Carroll College institutional aid is not refunded to a student but will be used to pay institutional costs incurred during the academic year awarded. If a student receives outside aid that specifically covers tuition and/or room and board charges, Carroll aid may be reduced. Examples include veterans benefits, vocational rehabilitation, Bair scholarships, ROTC, etc.

Beginning with the incoming 2006 class, if students choose to live off-campus or have been granted permission to live off-campus, institutional need-based aid may be reduced. The financial aid package is based on full-time attendance and a student's housing status at Carroll.

Other Carroll Scholarships and Grants

1. **Family Allowance Grant** Carroll provides a grant of \$1,000 (\$500 per semester) to each dependent family member when two or more immediate family members are attending Carroll full-time during the same semester. Specific details and applications are available from the Financial Aid Office or on the Carroll College website are due by March 1 each year.
2. **Activity Scholarships and Grants** Activity scholarships and grants are offered to students involved in forensics, theatre, cheerleading, student government, and intercollegiate athletics. Amounts vary and may be renewable with continued involvement in the activity. Carroll College offers activity scholarships to students in the following areas:
 - Forensics: Contact the Director of Forensics, Mr. Brent Northup
 - Theatre/Choir/Pep Band: Contact the Chair of the Fine Arts Department, Mr. Chuck Driscoll
 - Men's Basketball: Contact the Men's Head Basketball Coach, Mr. Gary Turcott
 - Women's Basketball: Contact the Women's Head Basketball Coach, Mr. Shawn Nelson
 - Men's Football: Contact the Head Football Coach, Mr. Mike Van Diest
 - Women's Volleyball: Contact the Head Volleyball Coach, Ms. Maureen Boyle
 - Women's Soccer: Contact the Head Soccer Coach, Mr. Mark Hiemenz
 - Men & Women's Golf: Contact the Head Golf Coach, Mr. Bennett MacIntyre
 - Men & Women's Cross Country: Contact the Head Coach, Mr. Bill Ballinger
3. **Parish Scholarship:** Students who are active in a Catholic Parish within the State of Montana may apply for this scholarship through their parishes. Applications are available at the parishes for this \$300 scholarship or on the Carroll College website and are due by March 1. This award is a first year only scholarship.
4. **Fr. John Sladich Memorial Scholarship for Native Americans:** Enrolled members of Montana Native American Tribes can apply for this scholarship. Awards range from \$1000 to \$3,000 and may be renewed up to four years. Applications are available from the Financial Aid Office or on the Carroll College website and are due by March 1.
5. **Endowed Scholarships and Grants:** Carroll College endowed scholarships and grants result from gifts to Carroll by individuals and institutions interested in helping Carroll students succeed. Donor restrictions apply in most instances and most are need-based, which require the results of a FAFSA. Applications for endowed scholarships are not required for endowed scholarships as funds are allocated in accordance with donor restrictions and/or specifications and Financial Aid Office policies.
6. **Diversity Scholarship:** Awarded to outstanding new students with significant ethnic and/or cross-cultural experiences beginning enrollment at Carroll College fall term 2005 and forward. The scholarship ranges from \$1000 to \$3000 and is renewed up to four years and is awarded to students who have at least a 3.00 cumulative GPA (high school or college). It is renewable for students who maintain at least a 2.00 cumulative GPA. Applications are available in the Financial Aid Office and on the Carroll College website and are due by March 1.

7. **Employer Matching Grant:** Students who enroll at Carroll for at least three and no more than nine credits and whose employer contributes at least one-third of tuition costs are eligible for this Matching Grant Program. Students do not need to be degree candidates at Carroll, but they must enroll for credits (no audits). Applications are available in the Financial Aid office and the Carroll College website and are due by the semester payment due date.

Carroll Scholarships and Awards for Transfer Students

Students entering in academic year 2007-2008:

Presidential Scholarship	\$5,500
Trustee Scholarship	\$4,000
All Saints Award	\$3,000

All full-time transfer students who have applied and been accepted to Carroll in the 2007-2008 academic year are considered for the above scholarships and awards based on official transcripts and a recalculated, cumulative transfer grade point average. Students must maintain a 2.00 or better Carroll cumulative grade point average to retain merit awards and all other Carroll scholarships and/or grants.

Phi Theta Kappa Scholarship for Transfer Students:

Transfer students selected to Phi Theta Kappa National Honor Society, which recognizes outstanding academic achievement by students who attended community colleges are eligible. Students must indicate membership on the application for admission for this \$1,000/yr renewable scholarship. Students must maintain a 2.00 or better Carroll cumulative grade point average to retain merit awards and all other Carroll scholarships and/or grants.

Federal Financial Aid

Complete the FAFSA after January 1. Request that your Student Aid Report be sent to Carroll College, Title IV Code 002526. It takes approximately 4 to 6 weeks for a paper FAFSA application to be processed. Applications submitted via the Internet take considerably less time (www.fafsa.ed.gov). Students (and parents, if applicable) must have a Personal Identification Number (PIN) to sign FAFSA electronically (www.pin.ed.gov). You must re-apply for federal aid each year. Delays in receiving financial aid are often the result of late submission of the FAFSA. Priority deadline for Carroll College is March 1.

Except for the Federal PLUS (Parent) Loan, eligibility for the below-indicated federal financial aid resources depends on submission of the FAFSA. The Student Aid Report (SAR), resulting from the FAFSA, provides an expected family contribution (EFC), which is used to determine eligibility for federal need-based financial aid.

1. Federal Pell Grants and Federal Supplemental Education Opportunity Grants (FSEOG) are awarded to students with exceptional financial need. FSEOG funds are limited.
2. Academic Competitiveness Grant (ACG) - Awarded to U.S. citizens who are full time (12 credits), Federal Pell Grant recipients who have completed a rigorous secondary program of study and are in their first or second year. The maximum award for first year students is \$750 per year. Second year students maximum award is \$1,300 per year. Students must maintain at least a 3.0 GPA to be eligible for the second year ACG. More information available at <http://studentaid.ed.gov>.
3. National Science Mathematics Access to Retain Talent Grant (National SMART) - \$4,000 per year awarded to U.S. citizens who are full time (12 credits), Federal Pell Grant recipients. Awarded to third and fourth year students who are majoring in physical, life, or computer science, engineering, mathematics, technology, or critical foreign language. Students must maintain a 3.00 GPA to be eligible. For more information please go to <http://studentaid.ed.gov>.
4. Montana Tuition Assistance Program (MTAP) and Montana Higher Education Grants (MHEG) are state-sponsored grants which are available to Montana residents only and are available to students who demonstrate exceptional financial need. MTAP/MHEG funds are limited.
5. Work-study employment opportunities are available through the need-based Federal Work-Study (FWS) Program. Limited funds are awarded on a first-come, first-served basis, in accordance with College policy. Awards are for either 7 or 12 hours per week. For most jobs, the hourly pay rate is minimum wage.
6. Loan monies at federally regulated interest rates are available to you and your parents. Federal loans, except the Federal PLUS (Parent) Loan, are awarded on a need and non-need basis as documented through the FAFSA.
 - a. Federal Perkins Loan - awarded to the most needy students. Funds are limited and are awarded based on the college packaging policy.
 - b. Federal Stafford Loan - available to students on either a need (subsidized) or non-need (unsubsidized) basis. Subsidized loans do not require payment of interest by the student so long as the student is attending college at least half time. The federal government subsidizes the interest burden. Unsubsidized loans require payment or capitalization of interest upon disbursement. Interest rates are set annually in accordance with federal regulations.
 - c. Federal PLUS (Parent) Loan - for parents of dependent students who want to borrow to help pay for their students' education. Interest rates are set annually in accordance with federal regulations.

Private Scholarships

Many private organizations provide financial assistance to Carroll College students. Scholarship information may be obtained by contacting civic, professional, religious or other community organizations in addition to high school guidance offices and the Internet. One website is www.fastweb.com. An additional listing of web resources is available on the Carroll College website.

Private scholarships are generally applied one-half to each semester after the funds are received.

College-Related Federal Tax Provisions

Carroll students and families may be eligible for selected education-related tax provisions of the Federal Taxpayer Relief Act of 1997, including:

1. Hope Scholarship Tax Credit provides a maximum \$1,500 per year tax credit (non-refundable) for each eligible taxpayer for the first two years of college.
2. Lifetime Learning Tax Credit provides a maximum \$2,000 per year tax credit (non-refundable) per family for years of eligible undergraduate or graduate/professional study after the first two years of college.
3. Student Loan Interest Deduction provides a non-refundable deduction (not credit) of interest on qualified education loans used to finance qualified education expenses. The maximum deduction

each taxpayer is permitted to take is \$2,500.

- IRA Withdrawals eliminates the 10% penalty for early withdrawal of tax-deductible amounts placed in Individual Retirement Accounts (IRA) used to pay qualified educational expenses.
- IRA contributions provide a new education IRA for tax years beginning after December 31, 1997.
- Deduction for Higher Learning. For 2005, taxpayers may be able to deduct up to \$4,000 paid toward qualified tuition and related expenses as an adjustment to income.

Note: Be advised that there are numerous eligibility requirements and other specifics contained in the tax provisions. Contact your tax advisor before making decisions.

Financial Aid Satisfactory Academic Progress Policy

Requirement and Purpose

Federal regulations require that students make satisfactory progress toward attainment of a degree, diploma, or certificate objective in order to participate in federal student assistance programs. Carroll interprets federal intent of the satisfactory progress regulations as a means to prevent abuse of federal student assistance programs as opposed to placing limitations on students.

Carroll's financial aid satisfactory academic progress policy is provided to ensure compliance with federal regulations and to prevent abuse of federal student assistance programs while supporting students' efforts to attain educational objectives.

Indicators of Progress

Financial aid satisfactory academic progress (SAP) is measured "qualitatively" and quantitatively."

Quality of work is measured by cumulative grade point average (GPA) resulting from work done at Carroll College.

Quantity of work is measured against a maximum time frame in which the student must complete the educational objective. The quantitative measurement requires designation of a minimum amount of work a student must successfully complete (credit hours earned) by the end of designated periods of enrollment (full-time equivalent semesters). The quantitative measure is cumulative for all periods of enrollment and for all schools attended, including periods of enrollment in which students did not receive federal student financial assistance.

Students Subject to SAP Measurement

Students currently enrolled and re-admits are subject to SAP measurement. In most instances, a financial aid package will be provided before grades are posted. If SAP standards have not been met, the financial aid package is voided, pending appeal.

New students, to include transfer students, while subject to SAP, are not measured for satisfactory progress until grades have been posted for the first year of attendance at Carroll.

SAP Measurement Date

SAP measurement is made after completion of the spring semester.

Measurement Standards of SAP

Qualitative Measurement

A student must possess a GPA of 2.0 or higher.

A student must meet the above qualitative standard in addition to the quantitative standards discussed below.

Quantitative Measurement

As indicated below, students must earn the number of credit hours within the number of FTE semesters, in addition to meeting the above qualitative standards, in order to be eligible for Carroll need-based, merit

and other institutional scholarships, and federal student financial assistance programs:

Number of FTE Semesters Attempted	Must Complete Credit Hours
2	20
4	40
6	60
8	80
10	100
12	122

Audit and non-credit remedial work are not considered in the measurement of SAP. Remedial and repeated course work for which a student received credit multiple times is treated as any other course work. Incompletes are considered as credits attempted when considering maximum time frames. Transfer credits are also considered when determining maximum time frames. If a student withdrew from a class or classes, the student is considered to have attempted those classes, even though the student did not realize any earned credits from registering for the classes. Withdrawal from classes has a negative impact on SAP measurement.

Duration of Eligibility

You are expected to earn a degree in a specific amount of time, measured by the credits attempted. Credits earned at prior post-secondary institutions and accepted toward your Carroll College degree will be included with your Carroll College credits in determining the credits you have attempted. The number of attempted credits allowed is 1.5 times the number of credits required to earn your degree. For example, if your degree requires 122 credits, you are eligible for financial aid until you have attempted 183 credits or have earned the credits required for your degree, whichever comes first.

Student Notification of SAP Decisions

The Financial Aid Office will, in most instances, measure SAP after developing a financial aid package for a student. In this case, the student will be notified in writing if he or she has not met SAP standards and that the financial aid package is cancelled. At the same time, the student will be notified of the appeal process (described below).

Exceptions/Appeals

A student who is notified of failure to meet SAP standards may appeal the conclusion reached by the Financial Aid Office and/or request that he or she be granted an exception to the policy. The student must follow the following process to appeal a SAP ruling:

Respond in writing to the notification of failure to meet SAP standards. The response must be directed to the Financial Aid Director at Carroll. The response must describe in specific terms, along with supporting documentation as appropriate, why Carroll should grant an exception to its established SAP policy. As a minimum, the response must include the following:

A personal statement, plus supporting documentation, as appropriate, explaining the circumstances that have led to failure to meet established SAP standards. The statement should also include an academic plan outlining how the student expects to meet the SAP standards, as well as the time frame in which the student expects to be back in compliance with such standards.

The Financial Aid Director and designated representatives will review the student's response and will make a decision on the appeal. Two actions may result on the appeal:

- The Financial Aid Director may approve the appeal. If such is the case, the student will receive written notice of the approval along with conditions to be met in the future, if appropriate.
- The Financial Aid Director may deny the appeal. The Financial Aid Director is the final authority regarding

SAP decisions. The student will be notified, in writing, of action on the appeal in a timely manner.

Requalification for Federal Student Financial Assistance and Carroll Need-Based Assistance Programs After Failing to Meet SAP Standards.

A student who is disqualified from participation in college need-based, merit and other institutional scholarships, and federal student financial assistance programs may regain eligibility by satisfying the established SAP standards. This can be done by attending college without the financial assistance offered by the applicable financial aid. If a student is deemed not to be making satisfactory progress, but later meets the standards, his or her eligibility for aid is reinstated. A student may be paid for the payment period in which he/she regains satisfactory progress, but may not be paid for any payment periods in which the student did not meet the standards.

Return of Federal Title IV Funds Policy

Purpose

The purposes and intent of this policy are to provide guidance as to how Carroll College will calculate the amount of Federal Title IV funds to be returned for a student who has withdrawn from all classes, inform interested parties of the methods and procedures used to calculate the amount, provide a fair and equitable policy, and provide a policy that conforms to federal regulations and the intent of those regulations.

This policy governs the return of Federal Title IV funds disbursed for a student who completely withdraws from a term, payment period, or period of enrollment. It does not apply to students who have dropped some classes but remain enrolled in other classes at or through Carroll. The general assumption is that a student earns aid based on the period of time he/she remained enrolled.

The Process — General

1. Student notifies the Registrar that he/she is withdrawing from the college. The Registrar provides the student with a withdrawal form.
2. The student follows the instructions on the form to obtain the necessary signatures indicating compliance with requirements, and returns the form to the Registrar.
3. The Registrar gives a copy of the completed withdrawal form to the Financial Aid Office immediately upon receipt from the student.
4. The Financial Aid Office calculates the amount of funds to be returned.
5. The Financial Aid Office notifies the student and the Business Office of funds that the College must return, and the amount that the student must return.
6. The Financial Aid Office returns its share of unearned Federal Title IV funds within 45 days after it determines that the student withdrawal process is complete. The student must repay his/her share either by (1) paying loans in accordance with the terms and conditions of the promissory note or (2) repaying grants directly or under a payment arrangement through the College (not required by the College).

Note: In addition to calculating a return of Federal Title IV funds for students who notify Carroll of withdrawal, Carroll must also make the calculation for students who do not "officially" withdraw. The Financial Aid Office reviews final semester grades to determine students with all "F" grades followed by attempts to determine if the student withdrew from all classes. If so, the last date of attendance is obtained. To facilitate the process, the Registrar has requested faculty to indicate last date of attendance for all students awarded an "F" grade.

The Details

Earned aid - During the first 60% of the period, a student "earns" Federal Title IV funds in direct proportion to the length of time he/she remains enrolled. That is, the percentage of time during the period that the student remained enrolled is the percentage of disburseable aid for that period that the student earned. A student who remains enrolled beyond the 60% point earns all aid for the period.

Note that institutional costs play no role in determining the amount of Federal Title IV funds to be retained or returned. Also, aid is "disburseable" if the student could have received it at the point of withdrawal.

Unearned aid - The amount of disbursed Title IV aid that exceeds the amount of Title IV aid earned under the required formula. Unearned Federal Title IV funds, other than Federal Work-Study, must be returned.

Percentage of period enrolled - The number of days the student remained enrolled divided by the number of days in the period. Calendar days are used, but breaks of at least 5 days are excluded from both the numerator and denominator. The number of days used to determine the enrolled percentage normally includes weekends; however, scheduled breaks are measured from the first day of the break to the next day that classes are held.

Repayment of unearned aid - The responsibility to repay unearned aid is shared by the institution and the student in proportion to the aid each is assumed to possess.

The institution's share is the lesser of:

- The total amount of unearned aid; or
- Institutional charges multiplied by the percentage of aid that was unearned.

The formula assumes that Federal Title IV funds are directly disbursed to a student only after all institutional charges have been covered, and that Title IV funds are the first resource applied to institutional charges. Institutional charges comprise the amounts that had been assessed prior to the student's withdrawal, not a reduced amount that might result from an institution's refund policy.

The student's share is the difference between the total unearned amount and the institution's share.

The institution's share is allocated among Title IV programs, in an order specified by statute, before the student's share.

After the student's share is fully allocated among the Title IV programs, any amount owed to a grant program is reduced by half. Students return their share of unearned aid attributable to a loan (includes Federal Perkins Loan) under the terms and conditions of the promissory note.

Timeframe for returning funds - The institution must return its share of unearned Federal Title IV funds no later than 45 days after it determines that the student withdrew.

The student must repay his/her share either by (1) paying loans in accordance with the terms and conditions of the promissory note or (2) repaying grants directly or under a payment arrangement through the College (not required by the College) or the Department of Education (pending).

Late disbursements - A student who earned more aid than was disbursed prior to withdrawal is owed a late disbursement. Only the difference between earned aid and aid already disbursed may be late disbursed. Thus, conditions under which unearned aid must be returned and conditions under which a late disbursement is required are mutually exclusive.

The institution may credit late disbursements towards unpaid institutional charges. Authorizations for current year charges remain valid for late disbursements; authorizations for prior year charges become invalid.

Any portion of a late disbursement not credited to the student's account must be offered as a cash disbursement to the student (or parent in the

case of a Federal PLUS Loan).

Withdrawal date (unofficial withdrawal) - For students who withdraw without notifying the institution, the institution must determine the student's withdrawal date within 45 days after the expiration of the earlier of the:

- payment period or period of enrollment;
- academic year in which the student withdrew; or
- educational program from which the student withdrew.

The withdrawal date for unofficial withdrawals is the midpoint of the applicable period, except:

- if the student left without notification because of circumstances beyond his/her control, the institution may determine a withdrawal date related to the circumstances. The Financial Aid Director is responsible for making this determination.
- The institution may, at its option, use the student's last date of attendance at a documented "academically-related activity" in lieu of any other withdrawal date. "Academically-related activities" include activities confirmed by an employee of the institution, to include exams, tutorials, academic advisement, turning in a class assignment, and attending a study group assigned by the institution. Residing in institution-owned facilities, eating at institution-provided food services, and participating in off-campus study groups not assigned by the institution are not "academically-related activities".

Withdrawal date (official withdrawal) - The withdrawal date for official withdrawals (student notified the institution the he/she was withdrawing) is the date the student began the institution's withdrawal process or officially notified the institution of intent to withdraw, except the institution may, at its option, use the student's last date of attendance at a documented "academically-related activity" in lieu of any other withdrawal date. "Academically-related activities" include activities confirmed by an employee of the institution, to include exams, tutorials, academic advisement, turning in a class assignment, and attending a study group assigned by the institution. Residing in institution-owned facilities, eating at institution-provided food services, and participating in off-campus study groups not assigned by the institution are not "academically-related activities".

Date of institution's determination that a student withdrew - For a student who officially withdrew, this date is the later of:

- the withdrawal; or
- The date of the student's notification to the institution.

For a student who unofficially withdrew (withdrew without notifying the institution), this date is the date that the institution becomes aware that the student ceased attendance.

The "date of institution's determination that a student withdrew" is used for the following purposes:

- It provides the dividing date between disbursed aid and late disbursements; and
- It starts the clock for the period of time within which the institution must return federal funds.

Suspension/Withdrawal - If a student is withdrawn based on a school initiated suspension during a period of enrollment the date used for the withdrawal date is as follows:

- If the student is given the option to appeal the suspension and does not appeal within the time frame allowed then the date of the initial suspension letter is used in the calculation.

- If the student does not appeal and can attend classes during the appeal process (regardless of whether they attend or not) then the official date on the appeal denial letter from the college will be used for calculations rather than the initial suspension letter date.

Leave of absence - A student who is granted a leave of absence (LOA) under the institution's formal LOA policy need not be considered withdrawn if:

- Only one leave is granted in 12 months (except multiple leaves within a 12-month period are permissible for military reasons or for circumstances covered by the Family and Medical Leave Act);
- The leave does not exceed 180 days; and
- The leave involves no additional charges.

The days comprising a single LOA need not be consecutive, as long as they are approved all at once.

The institution must determine that there is a reasonable expectation that the student will return from the leave, and must permit the student to complete the coursework begun prior to the leave.





Student Life Mission Statement

Our mission is to create an engaged, active, healthy and safe living environment for a community of learners that reflects the mission, vision and values of Carroll College.

Role of Student Life

The role of Student Life departments is to engage students in learning outside of the classroom. The programs and services in Student Life strive to educate students about living in community, developing career goals, adopting health and wellness practices and engaging in leadership, service, athletic and intramural activities that promote a lifelong value of being connected to the world. Student Life staff are available to students in the following ways:

- Assisting students in adjusting to college life.
- Informing students of available resources.
- Educating students on college policies.
- Promoting an understanding of living in community.
- Assisting students in career exploration, internships and experiential education.
- Guiding students through the resolution of conflicts through counseling and mediation.
- Providing health services and health education.
- Promoting health and wellness as a framework for life decisions.
- Encouraging, providing and coordinating campus activities.
- Providing education on leadership and service.
- Contributing to an understanding and value of diversity.
- Advocating for students to address issues through student government.
- Advising student government, clubs, organizations and activities.
- Partnering with faculty to connect learning in and out of the classroom.
- Coordinating athletic and intramural activities

Student Life Departments

Community Living (Student Housing)

Community Living staff assists students in learning how to live in community on a residential campus. The friendships and life experiences developed by living on campus provide students with many unexpected benefits that positively impact the academic, occupational, recreational, spiritual, mental and emotional maturity of students. Students learn by daily practice how to develop healthy eating, sleeping, study and social habits. For these reasons, students are required to live in college housing for their first two years of college and are encouraged to live all four years in college housing.

To promote a positive living and learning environment, Community Living is responsible for educational programming, group activity advising, leadership development, student conduct, peer counseling, housing administration and resource referral. A Community Advisor (CA), a student paraprofessional trained to address the needs of students, lives on each residence hall floor. An Assistant Director of Community Living, a professional trained in hall administration, community development and staff supervision, supports each residence hall.

Career Services

Career Services staff assists students in developing, evaluating and implementing career and life planning. These services support a process of self-assessment to clarify personal goals, values and interests to teach decision-making skills. Students learn how to obtain occupational information, to explore the full range of employment opportunities or graduate study and to present themselves effectively as candidates for employment.

Career development programs are offered in individual and group sessions using career assessment instruments in workshops and in-class presentations. Career Services offers a Career Resource Library which contains a collection of occupational and job market information, graduate school materials and listings of Internet web sites to assist students in their career search. Career Services staff assists students in preparing for and locating appropriate internships and cooperative education experiences. Credential services are offered to seniors and alumni to assist in processing employment applications. Career Services sponsors an annual career fair in partnership with Montana Job Services and local companies that features local and regional employers and graduate school programs. Most major examinations required for admittance into graduate schools and selected professional certification examinations are administered through Career Services. Applications and information about national exam programs are available.

Counseling Services

Counseling Services assists students by promoting their emotional, social, and behavioral growth in order to help them achieve their academic and personal goals. Individual counseling as well as couples counseling and workshops are utilized to address issues such as anxiety, depression, relationship difficulties, peer pressures, and life decisions. Students learn how to develop action plans to address developmental issues or personal goals. Services are free and confidential.

Counseling services can be a helpful resource to college students who may be facing issues involving transitions in their life including starting college, living away from home, exploring personal relationships or struggling with value clarification. It is important for students and their families to understand that the counseling offered at Carroll College can not replace

or substitute as a service for long-term counseling, psychiatric services or the treatment of mental health issues with medication. Referrals to mental health care professionals in the Helena community can be provided. As with all referrals to health care professionals, billings for services are handled by the health care professional with insurance providers.

Health Center

Health Center staff assist students in providing direct services to support their health and wellness and in educating students on health care. Immunizations, flu shots, consultations or referrals, simple laboratory procedures and regular clinic hours for non-emergency care are provided through the Carroll College Health Center. Students learn about their health from the Registered Nurse on staff and from Nurse Practitioner who has weekly clinic hours at the Health Center.

Health services offered include the loan of crutches, vaporizers and ice bags. Fees for supplies and procedures are nominal. Students can have lab samples drawn on campus at the Health Center and sent to a local lab for

processing and billing. As with all services provided by health care professional external to Carroll College, billings for services are handled by the health care professional with insurance providers. Each student is required to have a completed health form and validated immunization record on file in the Health Center. All records are confidential unless a waiver form is signed by the student to release health information to others.

Student Activities

Student Activities staff offer students a wide range of programs and activities that reflect the social, cultural, intellectual, recreational and self-governance needs of students within the context of the mission and vision statement of Carroll College. Clubs, organizations, student government, programs and events provide a full range of activities to get involved on campus and to enjoy the social opportunities at Carroll. Students learn to develop interests, activities, leadership skills and an interest in volunteering that will positively impact their life during and after college.

With over 40 recognized campus programs and organizations, Carroll College offers students a wide range of interest groups to explore. Examples include: *The Prospector*, the campus newspaper; *Colours*, the college's literary magazine; and the Associated Students of Carroll College, Carroll's student government. Intramurals, academic clubs, special interest groups and campus programming are also opportunities for student to get involved, have fun and strengthen their leadership skills. Concerts, dances, speakers, river rafting, backpacking, Homecoming, Walsh Lecture Series, and coffee-house entertainment all provide students with an opportunity to engage in activities outside of the classroom.

Athletics

Athletics staff, coaches and trainers offer students the opportunity to participate in intercollegiate sports in the Frontier Conference of the National Association for Intercollegiate Athletics. Carroll College offers competition in football (men), volleyball (women), golf (men and women), basketball (men and women), cross country (men and women) and soccer (women). Student athletes learn the importance of teamwork, sportsmanship, character development, leadership and role modeling as visible representatives of Carroll College.

To be eligible to participate in intercollegiate athletics, a student must: be of approved physical condition as evidenced by certification from a physician; meet requirements for classification as a full-time student in good standing; and be eligible to play the designated game according to the rules, policies and approved practices of Carroll College, the Frontier Conference and the National Association for Intercollegiate Athletics. Carroll provides scholarship assistance to student athletes within the limits established by Carroll College and the Frontier Conference as well as accident and hospitalization insurance. Carroll College expects full compliance with the letter and spirit of all athletic policies.

Campus Ministry

The mission of Campus Ministry is the development of the spiritual life of all the members of the campus community in order to serve Christ in all walks of life and to live in communion as the Body of Christ. The academic life of campus seeks an understanding of the world and each person's responsibility to work for justice. Campus Ministry at Carroll College encourages all members of the campus community to integrate in their decisions a personal discernment of God's will for their life. At the heart of our programs and events is the discernment of how God is calling each person to live their own life in union with Christ's gift of his life and share in both ministry and service. Especially through the celebration of the Eucharist, our campus community seeks to know God's will and live according to God's will.

Carroll's campus ministry team includes the Chaplain, the Associate Director and the members of the Kirchen Ministers and Core team. The Campus Ministry team is committed to respect all as their brother or sister in Christ.

This means an ecumenical ministry that respects the real communion between all Christians and all who sincerely seek God and which respects the religious liberty of all.

The name Kirchen Ministry reflects the legacy of Fr. Paul Kirchen, a priest and faculty member at Carroll who committed his life daily to anyone in need. Kirchen Ministry and the Core Team are peer-oriented ministries. Student ministers serve students on campus by both their presence in the residence halls and by organizing activities. Offer care, companionship and mentoring, Kirchen Ministers offer events including service immersion experiences, on-campus discussions about faith, retreats and outreach to international students. These activities are best expressed in the words of St. Francis; *Preach the Gospel always and when necessary use words.*

Student Life Policies

New Student Orientation

Students are required to attend New Student Orientation in their first semester of attendance at Carroll College. New Student Orientation programs are held at the beginning of each semester for the purpose of connecting new students to the programs, resources and community of Carroll College. New Student Orientation for the fall semester is a multi-day program that includes academic convocations, academic advising, meetings with faculty and staff, social events, parent programs, residence hall activities, and opportunities for outdoor excursions into Montana's recreational areas. New Student Orientation for the spring semester is conducted in one day and focuses on mid-year transitions to college and academic life.

Student Conduct

In addressing student conduct, Carroll College staff strives to make students consciously aware of their responsibilities as an individual living in community. The disciplinary process provides opportunities to educate students who participate in the process. Hearings are conducted fairly and sanctions are imposed to address the needs of the individual and the community. The disciplinary process recognizes that it is possible for students to mature during the college years, especially in the areas of interpersonal relationships and in formulating personal value systems. Failure to understand or accept responsibility for one's actions may result in the student being dismissed from the college. The student conduct process is outlined annually in the student handbook.

Communication with Parents

Carroll College views students as adults with the primary responsibility for the quality of their educational experience and the fulfillment of expectations that are accepted when a student enrolls at the college. The college administration, faculty and staff do realize the deep concern that parents hold for the total development of a son or a daughter. In recognition of that interest, Carroll expects that students will initiate communication with their parents when enrollment is threatened or discontinued, or when circumstances exist that seriously jeopardize the student.

When deemed necessary, a representative of the college may communicate with parents in relation to the following: discontinuation of enrollment, alleged violation of a college regulation that is likely to result in suspension or expulsion from the college; disciplinary probation with sanctions; absence from campus when there is reason to be concerned about the student's well-being because the student's whereabouts are unknown; and serious physical or mental health issues.

Student Qualification for Student Offices and Honors

Student government officers, class officers, managers, editors, community advisors, or students in any other positions of responsibility in any campus organization or activity must: be enrolled for at least ten (10) semester hours of credit; demonstrate a cumulative grade point average of 2.5 at the time of their application or announcement of candidacy; and must not be

on disciplinary probation or of non-degree status.

Requirements for Living on Campus

Living on campus is an integral part of the education experience at Carroll College. All unmarried students are required to live on campus for the first two years and are expected to live on campus all four years. The only exceptions would be undue financial hardship as evidenced from the student's annual FAFSA report or a medical condition evidenced by the medical case file and a letter from a physician that Carroll College would not be able to accommodate. All students residing at the campus must also board at the College and will be required to make a damage deposit.

Parking Safety and Automobiles on Campus

The use of an automobile requires adequate coverage with liability and property damage insurance. Every automobile is to be registered with the Student Life Office at Carroll College and is required to bear the current decal. Each student is responsible for becoming familiar with the current campus vehicle regulations as stated in the Student Handbook.



Notes



Student Academic Services

Academic Advising

Since the student's adjustment to a new academic atmosphere is generally complex, Carroll College has developed a personalized type of academic advising program. During orientation, the first-year student will be assigned to a specially trained academic advisor who will attempt to give a total view of the College. Later the student is encouraged to select an academic advisor from the faculty of his or her major department.

The student is encouraged to consult his or her advisor at least twice each academic semester. Students should meet with their advisors any time they have questions about their academic performance or progress. The advisor will help students develop an academic program and direct them to other college resources whenever appropriate.

The Director of Advising Services will help students with any advising questions or problems.

Academic Resource Center

The Academic Resource Center helps students meet Carroll's academic standards while also offering them advice and encouragement toward achieving their personal educational goals. From beginning freshmen to graduating seniors, students can sharpen their reading, writing, mathematical, and study skills to become more efficient and self-confident learners.

The Academic Resource Center offers a variety of services, such as academic counseling, workshops (MCAT, LSAT), and advice on study skills. In addition, the Academic Resource Center director coordinates Carroll's accommodations for physically and/or learning-disabled students. But the heart of the Academic Resource Center is its peer-tutoring program with help in a number of academic areas (writing, math, physics, accounting, foreign languages, chemistry, and anatomy and physiology). Recruited from the student body and recommended by the academic departments, the peer tutors represent both academic excellence and service to others.

The Academic Resource Center is located in the Science hall and is open weekdays 9 a.m. - 4 p.m. Mon. - Thurs. and 9 a.m. - noon Fri. Evening tutoring is available 6 - 9 p.m., Sun. - Thurs. Students should check with the director at the beginning of each semester for a complete tutoring schedule. Services from the Academic Resource Center are free, and all Carroll students are welcome.

Orientation of New Students

Carroll College offers a range of orientation programs designed to acquaint students with the College and its people, policies, and facilities.

All new students attend the new student orientation program at the beginning of the semester that they begin their studies at Carroll. Orientation introduces students to the intellectual, spiritual, social, and physical dimensions of campus life. College faculty, staff, and students welcome the new students to Carroll through a variety of activities. Orientation events continue throughout the first month of class in the fall and the first week of school in the spring.

New Student Services

The Office of New Student Services assists new students in the transition to college. The director acts as an advocate and resource for new students and their parents, providing assistance in all areas of student life, including

academics, residence life, and financial areas. Contact the Director of New Student Services for additional information.

Alpha Seminar

This three credit course is taken during a student's first semester at Carroll College. Its purpose is to introduce students to the distinctive practices and values of a Catholic liberal arts education. The course revolves around an interdisciplinary project that incorporates instruction and practice in critical reading, writing and discussion. It also provides a forum for students to discuss co-curricular issues and opportunities at Carroll. The instructor of the Alpha Seminar serves as the initial academic advisor for the students in his or her class.

Academic Policies

Carroll takes pride in its advising system and the close cooperation that exists between students and faculty. However, the final responsibility for becoming familiar with and abiding by the College's academic policies, including CORE, program, and graduation requirements, rests with the student.

Enrollment and Registration

1. All students must complete registration according to the dates specified in the semester schedule after consultation with the assigned academic advisor.
2. A student may not attend (as a credit student or auditor) and will not receive credit for any class for which registration has not been completed within the specified period.
3. Changes in registration after the completion of the formal registration period require the approval of the faculty advisor and the Registrar.
4. Students registering late are charged the late registration fee.
5. Registration is completed only when fees are paid.
6. Because Honor Scholars have unique Carroll College Core Curriculum (CORE), all members of the Honor Scholars Program are required to obtain the signature of the Honor Scholars Program Director on their course registration forms each semester. Secondary Education majors are required to have the signature of both their primary advisor and the education department.

Classroom Deportment

Students are expected to conduct themselves in a manner that is respectful of both the instructor and the other students. If a student is disruptive in class, the initial course of action will be a conference between the student and the instructor. If necessary, the disruptive student may be reported by the instructor to the Vice President for Academic Affairs who has the option of dismissing the student from the class.

Certification of Eligibility

Any persons entitled to enroll under any public law must present a Certificate of Eligibility from the proper veteran's authority, social security agency, or other governmental office to assure proper verification of enrollment.

Class Attendance

Students are expected to attend the first and each meeting of a course. If unable to attend the first class, a student should contact his or her instructor before the class meets. It is the responsibility of each student to be aware of instructors' attendance requirements. In individual courses, attendance may influence the grade the student receives.

Student Responsibility

Carroll provides excellent advising for students in the pursuit of their degrees. However, the final responsibility for satisfying all requirements as listed in this bulletin rests with the student. Students are urged to familiarize themselves with the academic requirements of the College.

Classification

Those enrolled at Carroll College are classified as either degree students or non-degree students. Degree students are those who have met all entrance requirements and have been approved for a course of study leading to the Associate of Arts degree or Bachelor of Arts degrees.

A full-time student is one who is enrolled for a minimum of 10 semester credits of college courses. For purposes of financial aid, athletic eligibility, determination of student standing, and for many scholarships, a full-time student must be enrolled for 12 semester credit hours. A part-time student is one who is enrolled for 9 credit hours or fewer.

Students are classified as:

- Freshmen when they are admitted as degree students and have fewer than 30 credits;
- Sophomores when the record shows 30 to 59 credits;
- Juniors when the record shows 60 to 89 credits;
- Seniors when the record shows a minimum of 90 credits.

Study Load

The normal full-time study load is 15 credits per semester. A student who exceeds this number must have the permission of the advisor. Any study load exceeding 18 credits must have the approval of the Registrar.

Credit and Grade System

The scholastic year is normally divided into 2 semesters of 15 weeks each. A class hour is 50 minutes of lecture, seminar, or recitation, or 110 minutes of laboratory work. The number of meetings per week and the corresponding credit in semester hours are indicated in the class schedule.

The unit of academic credit is the semester hour. Ordinarily, a semester hour represents the work of 50 minutes of class meeting once weekly and requiring approximately 2 hours of preparation. Thus, a class which meets 100 minutes weekly carries 2 hours of credit; 150 minutes weekly, 3 credits; etc. One laboratory period (two to three hours) is equivalent to one class meeting. The minimum passing grade required before a student can receive credit is "D."

Interpretation of Letter Grades

The grading system in use is an alphabetical system using the letters A, B, C, D, E, I, IP, P, W, NR and AU. Grades are interpreted as follows:

- A indicates excellence of performance in every aspect of the course
- B indicates a better than satisfactory but less than excellent performance in every aspect of the course
- C indicates a satisfactory performance in every aspect of the course
- D indicates a less than satisfactory performance in some or all

aspects of the course

- F indicates serious deficiencies in some or all aspects of the course
- I is given only under unusual circumstances which cause a delay in a student's completion of a course. The student must be doing passing work before an "I" (Incomplete) may be given. The student must make specific arrangements including completion date (no later than the end of the following semester) with the faculty member for the completion of the course. A formal written Request for Grade of Incomplete must be filed in the Office of the Registrar before the assignment of the grade as incomplete
- IP in progress
- P pass—indicates the requirements for a letter grade of "D" or higher have been met.
- W withdrawal
- NR not reported
- AU audit student—no credit or grade.

Grade Points and Academic Average

Using the grades earned at Carroll alone, a student's average is determined by dividing the total number of grade points received (listed as "quality points" on Carroll's transcripts) by the total number of *attempted* credits. In computing this average, the following points are assigned each grade: "A," 4 grade points per credit; "B," 3 grade points per credit; "C," 2 grade points per credit; "D," one grade point per credit; and "F," no grade points. Neither the notation "W" nor the grade "P" is computed when calculating the grade point average of a student.

Good Standing and Academic Probation

The grade point average required to maintain good academic standing at Carroll College is 2.0.

When semester grade reports indicate that students have failed to meet the minimum scholastic standards (2.0 grade point average), the students are not in good standing academically.

After a semester of unsatisfactory work, a student enrolled for 12 or more semester hours will be placed on academic probation. Academic suspension may result upon completion of a second consecutive semester of unsatisfactory work or upon completion of a total of 3 non-consecutive semesters of unsatisfactory work.

Suspension may result after one semester of unsatisfactory work should very poor performance warrant such action. The Vice President for Academic Affairs, in consultation with appropriate faculty and staff, will evaluate these cases and make an appropriate determination.

The records of part-time students will be reviewed after an accumulation of 12 or more semester credits. If a total of 12 or more semester credits have been attempted and cumulative grade point average is unsatisfactory (below 2.0), the student will be placed on probation.

For transfer students, the grades earned at Carroll College alone will determine the grade point average of the student at Carroll.

Students on academic probation as a result of work at Carroll College may not hold offices in student activities and organizations, nor may they participate in any varsity sports activities, intercollegiate forensic activities, or in main stage theatre productions.

The academic standing of a student who withdraws from the College and then seeks re-admission will be based on that of the student's last term of attendance at Carroll.

Students must meet the grade point average described above to be considered as making satisfactory progress. Students who fail to make satisfactory progress may be declared ineligible for financial aid, either institutional or under the Title IV Federal Aid program. Grade point averages falling below

this 2.0 standard are considered unsatisfactory.

Restoration of Good Standing

Full-time students (6 credits or more in summer, 12 credits or more in fall or spring) on academic probation are restored to good standing when their semester grade point average is 2.00 or above and their cumulative grade point average is 2.00 or above when enrolled as a full-time student. A part-time student on probation must complete at least 9 credits with grades of the quality required to be restored to good standing. A student with satisfactory performance in a semester, but a continued unsatisfactory cumulative grade point average, will remain on probation until the cumulative average is above the minimum.

The Pass/Fail Grade

Selected courses are regularly graded on a pass/fail basis. However, students may undertake other courses on a pass/fail basis under the following conditions: They must have completed 60 or more semester hours of college work with a cumulative average of 2.0; courses taken on a pass/fail basis will not be accepted into the major; they may enroll in only one course per semester on this basis, with a maximum of 4 such courses allowable toward graduation; and students who register for such courses must indicate this choice at the time of formal registration, that is during the regular "add" period of each semester, when registration in courses is allowed. After this period, students may not change their registration from regular grade status to pass/fail or from pass/fail to regular grade status.

Credits transferred from other institutions to a student's Carroll College program will not be accepted into the major if taken on a pass/fail basis. No more than 4 such courses will be allowed toward graduation whether they are taken at Carroll or at another institution.

The Major

All students must elect a standard major or develop a multi-disciplinary major. Ordinarily, students decide on a major by the end of the sophomore year.

Students may graduate under the graduation requirements for the year of initial enrollment as degree candidates at the College providing they can complete requirements within a continuous six-year period. If students interrupt attendance or transfer from one program to another, they must graduate under the requirements in effect at the time of re-admission or transfer.

At least half of the credits required in the major field for the Bachelor of Arts degree must be taken at Carroll College. Exceptions require the approval of the major department chairperson and the Vice President for Academic Affairs.

Students are not automatically accepted into all major programs of the College. A number of departments require that certain standards be met and that a formal application be filed. See specific requirements as listed in the academic programs of this bulletin. To qualify for acceptance into the major department, the student must meet college standards as outlined in this bulletin.

The Minor

A specific minor is not required for graduation except with a computer science major and in those cases where a student wishes to graduate under certain teaching options for secondary education. Any student may obtain a minor by fulfilling the departmental requirements for the minor as set forth in this bulletin. At least one-half of the credits required for a minor must be taken at Carroll College.

Multi-disciplinary Major

The purpose of the multi-disciplinary major (MDM) is to permit students in good academic standing to fulfill their personal academic objectives and complete their degree at Carroll College through an integrated program of study that is not possible through an existing major. The program should draw on the curricula of two or more disciplines and create a coherent

academic focus. The student who wishes to pursue a MDM will choose a principal advisor and two additional faculty who will work with the student to plan coursework that will provide breadth and depth in the chosen disciplines.

Requirements for the Multi-disciplinary Major:

- An approved application form must be filed with the Office of the Registrar no later than three semesters prior to graduation. Usually, this deadline will be the end of the student's fifth semester. Application forms are available at the Office of the Registrar and include a listing of steps to follow in developing a Multi-disciplinary Major.
- The student must be in good academic standing prior to submission of the proposal.
- Coursework requirements:
 - At least 18 semester hours must be taken within the sponsoring discipline.
 - The student may not be required to take more than 24 semester hours within the sponsoring department.
 - At least 12 semester hours must be taken in a second discipline.
 - An MDM must include a minimum of 48 semester hours that include courses from the sponsoring discipline and other courses deemed to be relevant by the students and the MDM committee.
 - The list of required courses must contain a minimum of 24 semester hours at the 300/400 level.
- At least one-half of the credits required in the MDM proposal must be taken at Carroll College.
- The regulations governing the honors thesis and the comprehensive examination of the sponsoring discipline will apply.

Course Changes After Registration/Add-Drop

- The last day in a term when students may add a course to their program is indicated in the semester schedule.
- Changes from "credit" to "audit" status or from "audit" to "credit" status and changes from "grade" to "pass/fail" or "pass/fail" to "grade" must be made by the last day to add a class as indicated in the semester schedule.
- To withdraw from any course, a student must obtain approval of the advisor and the instructor of the course. Merely ceasing attendance in any course does not constitute withdrawal. An unauthorized withdrawal results in a failure of the course.

A student may withdraw from a course during the first 10 weeks of the semester after obtaining approval of the advisor and the instructor of the course. For authorized withdrawal, a grade of "W" is indicated on the record. Courses from which the student withdraws within the "add-drop" period of a term will not be entered on the permanent record. Courses from which the student withdraws after the 10th week will be recorded as "F". Withdrawal forms are available at the Office of the Registrar.

Examinations

Examinations, recitations, and reports are required within the semester at the discretion of the instructor. In addition, a final examination is given in most courses during the final examination week of each semester. Students absenting themselves from a scheduled examination without justifiable cause will receive a failing grade for the examination. A scheduled examination is any examination that is announced by an instructor in advance of the class meeting when the examination is administered. A supplementary examination may be taken for a justifiable cause approved by the instructor of the course.

Final Examinations

The final examination week is an essential part of the academic semester. Although final examinations are not required in all classes, it is

expected that classes will meet during the time scheduled for the final examination. Final examinations are to be conducted according to the guidelines of the College catalog and according to the final examinations schedule published at the beginning of each semester as part of the class schedule. The following guidelines are to be observed with respect to final examinations:

1. Final examinations are to be given according to the published schedule.
2. Take home final examinations are not due until the scheduled time for final examinations for that class.
3. Final examinations for evening classes (5-10 p.m.) will be given at the regular class time during finals week or as scheduled.
4. Laboratory and studio art final examinations may be given during the final week of classes.

There are many things required of students during the last few weeks of classes. Faculty are encouraged to work with students in planning for these last weeks and to be sensitive to the many requirements of the end of the semester.

Note: It is possible that individual students may have three finals scheduled during a given day. This creates a difficult situation for some of those students. If requested, the faculty will work with the individual student in rescheduling a test at another time during finals week so as to remedy this situation.

Grade Reports

Student grade reports are issued at mid-semester through the academic advisor. At the end of fall semester and spring semester, students receive a copy of their Carroll transcript by mail. The College does not hold itself responsible for grade report errors unless the Registrar is notified of errors within 6 months after the issue of the report.

Advanced Placement

High school students who receive scores of 3, 4, or 5 on the College Entrance Examination Board Advanced Placement Examination may, upon enrollment, be granted advanced placement and college credit in appropriate subjects. A grade of "P" (pass) is assigned for these credits. Reports on examinations must be sent to the Registrar directly from the College Entrance Examination Board.

Advanced College Experience

A special arrangement with Helena-area high schools enables qualified juniors and seniors to enroll for college credit courses at Carroll while completing their secondary school requirements. Qualified home-schooled students are also welcome to participate in this program. Students may register for a maximum of 6 credits per semester. Application forms and further information are available through the Office of Admission.

Language Placement

Students who wish to continue studying a modern language for which high school credits have already been received should be placed in a course according to the following guidelines:

- Students with 1 year of high school study should enroll in FR/GM/SP 101.
- Students with 2 years of high school study should enroll in FR/GM/SP 101 or 102.
- Students with 3 years of high school study should enroll in FR/GM/SP 203.
- Students with 4 years of high school study should enroll in FR/GM/SP 203 or 204.

If students (or advisors) are uncertain about course placement or if they wish to request an exception, they should consult with the instructor.

Credit for Military Experience

Credit for experience in the armed forces of the United States may be allowed veterans in accordance with the recommendation of the American Council on Education (ACE). Veterans wishing such credit should submit official documents or college transcripts covering the work completed. College credit is not given on the basis of the College Level General Education Development Test scores.

College Level Examination Program

The College Level Examination Program (CLEP) provides people of all ages and backgrounds an opportunity to demonstrate college-level proficiency on the basis of standardized examinations designed to reflect course curricula. Through CLEP examinations, students can demonstrate mastery of general areas and specific subjects for credit and advanced placement.

CLEP may enable Carroll students to receive college credit for what they already know, allow them to bypass introductory courses, or fulfill Carroll College Core Curriculum (CORE) or major and program requirements. Using CLEP credit to fulfill major and program requirements requires approval of the department chairperson. The individual Carroll College departments determine the specific CLEP examinations which may fulfill requirements in their majors or programs in their respective areas. Carroll students must obtain written verification from their academic department in order for CLEP credits to count toward their major.

Carroll follows the recommendations of the Commission on Educational Credit and Credentials of the American Council on Education (ACE) regarding scores for awarding credit. The various departments determine the specific CLEP examination which may fulfill requirements for classes in their majors or programs in their respective academic areas. Candidates should consult the Career Center or Registrar to determine the application of CLEP credits to individual programs of study. Up to 30 semester hours may be earned through CLEP. These credits are registered as pass/fail grades.

Credit by Challenge Examination

Upon application to the Registrar and approval by the appropriate faculty member, examinations for credit in courses offered by the College may be taken with the following restrictions:

1. The student must be currently enrolled as a degree candidate at Carroll College;
2. A challenge credit examination may not be taken in a course in which the student has already been registered (for credit or as an auditor), nor may an advanced credit examination be repeated;
3. The maximum number of credits obtainable by challenge examination is 18, not to exceed six (6) credits in any semester; and
4. A fee of \$35 is charged for each examination administered under this program.

The fee is payable in advance and is used to defray the cost of the special examination.

International Baccalaureate Program

Carroll College recognizes the International Baccalaureate as a challenging program of study and takes this into consideration when reviewing the student's application for admission. Students who present scores of 4 or better on the International Baccalaureate higher level examinations may be awarded college credit. Credit will be awarded to enrolled students on a case-by-case basis. No credit will be awarded for subsidiary level examinations.

Independent Study

Independent study offerings are designated by the course number 485. Independent study is open to junior and senior students only. At the time

of application, a student must have earned a 3.0 cumulative grade point average. A student may register for no more than three (3) semester hours of independent study in any one term. In all cases, registration for independent study must be approved by the appropriate department chairperson and the Vice President for Academic Affairs.

Academic Integrity & Grievance Policy

Students at Carroll College are expected to have high standards of integrity. Any student who cheats or plagiarizes on examinations or assignments, falsifies college records, or fails to give requested academic information on admission documents is subject to dismissal or other appropriate disciplinary action by the College. Cases involving academic integrity shall be referred to the Vice President for Academic Affairs for adjudication. Students so involved have the right to use the College's appeal process.

When a student has questions concerning the conduct of classes or grading procedures (other than a final grade) the following procedural steps are to be followed:

The student must attempt to resolve the matter with the individual instructor. If a mutually satisfactory resolution cannot be reached, the student should bring the concerns to the chairperson of the particular department. If a satisfactory resolution is not reached at this level, the student should contact the Vice President for Academic Affairs for assistance in attempting to reach a resolution.

The College has a formal Academic Grievance Policy that should be followed if a student believes a final grade has been improperly recorded. Only final grades resulting from the failure of an instructor to follow college policies in classes or on examinations may be grieved. Resolutions of grievances should begin with the individual instructor. If the grievance is not resolved at this level, the grievance should be brought to the chairperson or the particular department. The complete policy is on file in the Office of the Vice President for Academic Affairs.

Repeating a Course

Students who receive a grade of "D" or "F" may repeat the course at Carroll. Only grades of "D" or "F" may be repeated. In such cases the second grade shall be the one counted in computing the grade point average required for graduation. The credit hours for a course will be counted only once. Courses repeated at other institutions do not change the Carroll cumulative grade point average.

Correspondence and Extension Courses

Carroll College will accept a maximum of 12 semester hours of correspondence and extension courses taken through the programs of accredited colleges and universities. Permission to take such courses for transfer purposes must be obtained through the Office of the Registrar in advance of pursuing such courses.

Change of Address

It is essential that students notify the Office of the Registrar promptly of any change in residence.

Study Abroad

Opportunities for full-year, semester, or summer studies in another country are available to all Carroll students. Carroll's director for international programs coordinates all opportunities offered for college credit.

Study in the country of a student's major field is required for all French and Spanish language majors. Foreign study programs, normally in the junior year, must be coordinated through the assigned advisor from the Department of Languages and Literature and the director of international programs.

Withdrawal from the College

A student is granted honorable separation when in good standing at the time of withdrawal. Withdrawal from the College with honorable separation requires appropriate signatures on a completed withdrawal form.

Withdrawal forms are available in the Registrar's Office. Failure to comply with this procedure will result in failing grades in all courses.

A student may withdraw from the College on any class day during the semester, but not after the last day of regular classes. A student who withdraws from the College and then wishes to re-enter must complete the admission procedure to be re-admitted.

Transcript of Credit and Record

- Carroll College will issue official academic transcripts only upon the signed request of the student whose transcript is being requested. The first copy of the transcript is provided free of charge. Additional transcripts are \$5.00 each.
- A transcript is not considered official unless it bears the seal of the College, the signature of the Registrar, and is transmitted directly from the Registrar to an authorized recipient.
- The College reserves the right to deny the issuance of transcripts if a student's financial account is not paid or payment plan arrangements have not been followed.
- The College does not hold itself responsible for any error on a transcript which is not brought to the attention of the Registrar within 6 months of issue.
- Work completed at other institutions will not be posted to Carroll College transcripts after a student has received a degree from Carroll (unless the student has declared the intention of completing a subsequent major, minor, Associate of Arts degree, etc. through Carroll).

Photographs of Students

Carroll College and its representatives occasionally take photographs of campus life, events and activities, including athletic events, classroom teaching, extracurricular activities, performances and students in common or public areas. The college uses these photographs in print and electronic publications. This paragraph constitutes public notice of Carroll College's intent to take and use these photographs. If you object to the use of your image, provide advance notice to any photographer taking photos of you on campus that you withhold your consent to have photographs of you released. Anyone who does not provide notice to photographers as stated above is deemed to have consented to be photographed and have their photograph released in print and electronic publications.

Students with Disabilities Statement

In recognizing the unique value of each human being, the Carroll College Mission Statement is in accord with the spirit of both Section 504 Rehabilitation Act of 1973 and the Americans With Disabilities Act of 1990. Currently, the Academic Resource Center (ARC), in cooperation with other campus departments, coordinates assistance for students with special needs during their academic careers. Specifically, Carroll offers the following services to students with disabilities:

- Academic counseling and tutoring from the director and peer tutors at ARC;
- Personal counseling from the staff in the Wellness Center;
- Coordinating accommodations with faculty for students with disabilities and special needs in the classroom, as necessary, e.g., administering tests at the ARC, requesting additional time for assignments or tests as required, or other adaptations needed for class success, such as arranging for peer note-takers or tape recorders.
- Coordination with the student, the student's advisor, and the Vice President for Academic Affairs of reduced course and/or credit load to allow reasonable time for successful completion of degree requirements, as necessary.

In turn, the College requires the following from students who would like to use these services:

- Disclosure of the disability to admission and ARC staff as soon as

possible after learning that an accommodation may be needed.

- Documentation of the disability from a qualified professional whose credentials are appropriate to the disability (for example, a physician for a physical disability, a learning disabilities specialist or psychologist for a learning disability). Verification or more recent documentation may be requested by ARC or the Vice President for Academic Affairs. An Individualized Education Program (IEP) on file at the high school within the last three school years is also acceptable confirmation.

It is important to note that Carroll College maintains the same academic standards for all students regardless of ability. Carroll College cannot provide accommodations for individuals with disabilities if the accommodation fundamentally alters the nature of the services, privileges, advantages, or opportunities provided or poses an undue burden on the College.

Honors and Awards

Dean's Honor List

A student enrolled for 12 graded semester hours or more, whose average for the semester is 3.50 or higher, is placed on the Dean's Honor List. The Dean's List is published each semester. A letter of commendation is sent to the parents when appropriate.

Graduation with Honors

To be eligible for graduation honors, a student must successfully complete the honors thesis and graduate with a cumulative grade point average of not less than 3.25. Honors are awarded at four levels: Cum Laude for those whose cumulative average is not less than 3.25; Magna cum Laude for not less than 3.50; Maxima cum Laude for not less than 3.80; and Summa cum Laude for not less than 4.0. These honors are announced at commencement.

Transfers: To be eligible for graduation honors, a student also must have completed 60 semester hours of course work at Carroll College. The required cumulative average will be calculated from all courses completed at Carroll and all course work accepted for transfer credit.

Graduation with Distinction

To be eligible for graduation with distinction, completion of an honors thesis is not required. However, a student must graduate with a cumulative grade point average of not less than 3.50.

Transfers: To be eligible for graduation with distinction, a student must have completed 60 semester hours of course work at Carroll College. Calculation of cumulative grade point average includes only credits and grades earned at Carroll College.

Honors Thesis

The thesis work for honor students is designed to encourage creative thinking and to stimulate individual research. Interested students should decide upon a thesis project as early as possible in the junior year so that adequate attention may be given to the project. In order to be eligible to apply to write a thesis, a student must have achieved a cumulative grade point average of at least 3.25 based upon all courses completed at Carroll College and any courses accepted for transfer credit from other institutions. Applications and further information are available in the Office of Academic Affairs. Note: If the thesis credits exceed the credit limit, the charge for additional credits will be waived.

Borromeo Award

This award, named for St. Charles Borromeo, patron of Carroll College, may be presented to individuals, groups, or organizations showing outstanding zeal, courage, and devotion in achievements of service to Carroll, the community, and the Church.

Bishop Gilmore Memorial Award

This award is presented to outstanding senior scholars who have attained the highest grade point average after 4 years at Carroll College.

Michael W. Murphy Award For Outstanding Collegiate Citizenship

This award is presented to a graduating senior, who, through personal achievement, generosity, and leadership, has excelled in promoting the true spirit and ideals of Carroll College. The recipient is selected on the basis of contributions to the collegiate community of Carroll College. The award is made in memory of Michael W. Murphy, a deceased student of the College, who himself served as a model for this award.

Honorary Societies

Alpha Kappa Delta

Alpha Kappa Delta International Honor Society was founded in 1920. The purpose of the society is to promote an interest in sociology and to research social problems and other such social and intellectual activities as will lead to an improvement in the human condition.

Delta Epsilon Sigma

Carroll College holds the charter of the Gamma Chapter of Delta Epsilon Sigma, a national honorary society for students of Catholic colleges and universities. Selection of members in Delta Epsilon Sigma is made from among the members of the junior class on the basis of scholastic achievement, good character, and liberal culture.

Lambda Pi Eta

Carroll College holds the Iota Nu chapter of Lambda Pi Eta, the national Communication Honor Society. Membership is granted based on academic excellence. The goals of Lambda Pi Eta are to recognize, foster and reward outstanding achievement; stimulate interest in the field of communication; promote and encourage professional development; provide an opportunity to discuss and exchange ideas about the field establish and maintain close relationships and understanding between faculty and students; and explore options for further graduate studies.

Phi Alpha Theta

The Omega-Eta chapter of Phi Alpha Theta is located at Carroll College. Phi Alpha Theta, established in 1921, is the international honor society in history. With chapters located at colleges and universities in all 50 states, the District of Columbia, Puerto Rico, Canada, and the Philippine Islands, Phi Alpha Theta is one of the highest-rated departmental honor societies in existence. Members of the society may participate in a range of historical activities, including the annual Northwest Phi Alpha Theta History Conference.

Phi Sigma Iota

Carroll College's Department of Languages and Literature has been granted the charter for the Gamma Rho chapter of Phi Sigma Iota. This international honor society has as its ideals and purpose "the recognition of outstanding ability and attainments in the study and teaching of foreign languages, the stimulation of advanced pursuits and individual research in this discipline, and the promotion of cultural enrichment and a sentiment of international amity derived from the knowledge and use of foreign language." Phi Sigma Iota publishes members' work in its international magazine and offers scholarships, fellowships, and awards to its members. Carroll's Gamma Rho chapter is the first chapter to be chartered in Montana.

Phi Sigma Tau

The Carroll College Department of Philosophy sponsors a chapter of Phi Sigma Tau. The objectives of the society are: (1) to serve as a means of awarding distinction to students having high scholarship and personal interest in philosophy; (2) to promote student interest in research and advanced study in this field; (3) to provide opportunities for the publication of student research papers of merit; (4) to encourage a professional spirit and friendship among those who have displayed marked ability in this field; (5) and to popularize interest in philosophy among the general collegiate public.

Psi Chi

The Carroll College Psychology Department holds the charter for the Car-

roll College Chapter in Psi Chi, the national honor society in psychology. According to the Psi Chi bylaws, the purpose of Psi Chi is to encourage, stimulate, and maintain excellence in scholarship and to advance the science of psychology. Active members may hold office and vote on issues of national importance to Psi Chi, as well as attend regional and national psychology conventions. The aims of Psi Chi are summarized in its motto, "Psyche Cheires," which means: "cooperation in the investigation and cultivation of the mind." Psi Chi members are expected to remain active in the Psychology Club and participate in campus and community services.

Sigma Tau Delta

The Department of Languages and Literature at Carroll holds the charter for the Alpha Zeta Epsilon chapter of Sigma Tau Delta, the international English honor society. Carroll's charter is only the second granted in Montana. Sigma Tau Delta "affords exceptional students in the field of English opportunities for furthering culture, for formulating ethical principles, for developing skills in creative and critical writing, and for fostering a spirit of fellowship." Benefits to student members include opportunities for publication in the society's journal, various academic prize competitions, presentations at conferences, internships in Washington, D.C., and merit scholarships, as well as access to an established network of contacts in an international academic body.

Sigma Theta Tau

The Zeta Upsilon Chapter of the international honor society in Nursing is a chapter at large for Montana Schools providing baccalaureate or higher nursing degrees. Sigma Theta Tau's purpose is to encourage and recognize superior scholarship and leadership achievements at the undergraduate and graduate levels in nursing. The criteria for membership is the demonstration of academic excellence by students in baccalaureate and graduate nursing programs.

Theta Alpha Kappa

Theta Alpha Kappa is the national honor society for Theological and Religious studies. It exists to encourage, recognize, and maintain excellence in these fields within baccalaureate and post-baccalaureate degree programs, and also make these studies more broadly understood within the academic profession.

Requirements For Graduation

A degree seeking student enrolled at Carroll College may pursue either a four-year program leading to the Bachelor of Arts degree or a two-year program leading to the Associate of Arts degree.

Students may graduate under the graduation requirements for the year in which they are enrolled for the first time as degree candidates at the College, provided they complete requirements within a continuous six-year period. If students interrupt attendance or transfer from one program to another, they must graduate under the requirements in effect at the time of re-admission or transfer.

Any Carroll course for which college-level credit (course numbers 100-499) is given may be applied toward the total credits needed for graduation, except physical education activity courses [HPE 101-102 and Military Science (MS) courses], in which case only two (2) credits apply toward the total number of credits needed for graduation. A minor is not required for graduation, except for the computer science major and where specified for candidates who graduate under certain teaching options for secondary education.

Carroll College Core Curriculum

Carroll is a Catholic, liberal arts college. In order to ensure that each student shares in the wisdom that goes to make up the foundation of such a school, the College requires all students to participate in a broad spectrum of academic disciplines. It includes those disciplines which help develop the contemporary, enlightened mind, namely, the humanities and fine arts, the social and natural sciences, and the reflective disciplines of philosophy

and theology.

The Carroll College Core Curriculum are applicable to all students receiving the baccalaureate or the associate degree.

Residence Requirements

Of the final 40 credit hours earned toward the baccalaureate or associate degree, a minimum of 30 credit hours must be earned at Carroll College; at least one-half of the credits required in the major and minor, must be taken at Carroll.

Comprehensive Examinations

Each candidate for the Bachelor of Arts degree must satisfactorily complete the written and/or oral comprehensive examination if required by the major department. Some departments offer a course to seniors which replaces the comprehensive examination.

Application for Degree

Application for a degree must be made at the Office of the Registrar within the period indicated in the college calendar.

Commencement

Students are expected to be present at graduation exercises for conferral of degrees.



Family Educational Rights and Privacy Act of 1974 as Amended

The Family Educational Rights and Privacy Act (FERPA) (20 USC Section 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 U.S. Department of Education. Additional information on FERPA is available online at <http://www.ed.gov/policy/gen/guid/fpco/ferpa/index.html>.

Definitions of Terms

Student: Includes any person who attends or has attended Carroll College.

Education Records: Includes any record, with certain exceptions, maintained by Carroll College with a student's name, or students' names, on it. This includes files, documents, and materials in whatever medium which contain information directly related to students and from which students can be individually identified. Exceptions are:

1. A personal record kept by the maker if it is kept in the sole possession of the maker of the record and is not accessible or revealed to any other person except a temporary substitute for the maker of the record.
2. An employment record of an individual whose employment is not contingent on the fact that he or she is a student.
3. Records maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional, which are used solely in connection with the provision of treatment of a student and not disclosed to anyone other than individuals providing such treatment.
4. Alumni records which contain information about a student after he or she is no longer in attendance at Carroll College and which do not relate to the person as a student.

Procedure to Inspect Education Records

Students may inspect and review their education records upon request to the appropriate record custodian. Students should submit to the record custodian a written request that identifies as precisely as possible the record or records he or she wishes to inspect. The record custodian will make the needed arrangements for access as promptly as possible and notify the student of the time and place where the records may be inspected. Access must be given in 45 days or less from the receipt of the request. When a record contains information about more than one student, the student may inspect and review only the records that relate to him or her.

Student Right to Know

Under the terms of the Student Right to Know Act, Carroll College maintains and reports the information to students according to federal guidelines. Statistical reports provided:

- Number of students receiving aid related to athletics reported by race and gender
- Graduation rate for athletes participating in specific sports reported by race and gender
- Graduation rate for students in general reported by race and gender

- Annual campus security report
- Financial assistance available to students enrolled at Carroll College.

Copies of these reports are available by contacting the Registrar's Office or online at <http://www.carroll.edu/about/information/index.cc>.

Right of Carroll College to Refuse Access

Carroll College reserves the right to refuse to permit a student to inspect the following records:

1. The financial statement of the student's parents.
2. Letters and statements of recommendation for which the student has waived his or her right of access, or which were placed in file before January 1, 1975.
3. Records connected with an application to attend Carroll College if that application was denied.
4. Those records which are excluded from the FERPA definition of education records.

Refusal to Provide Copies

Carroll College reserves the right to deny transcripts or copies of records not required to be made available by the FERPA in any of the following situations:

1. The student has an unpaid financial obligation to the College.
2. There is an unresolved disciplinary action against the student.

Fees for Copies of Records

A fee for copies may be charged.

Education Records

Types	Location	Custodian
Admission	Admission or Registrar O'Connell Hall	Admission Staff Registrar's Staff
Academic	Registrar O'Connell Hall	Registrar's Staff
Health	Wellness Center Guadalupe Hall	Wellness Center Staff
Financial Aid	Financial Aid O'Connell Hall	Financial Aid Office Staff
Financial	Business Office O'Connell Hall	Student Accounts Representative
Placement Progress	Career Center Academic Dept. Chairperson	Career Center Staff Academic Dept. Chairperson
Disciplinary	Student Life O'Connell Hall	VP for Student Life

Disclosure of Education Records

Carroll College will disclose information from a student's education records only with the written consent of the student, except:

1. To school officials who have a legitimate educational interest in the records. A school official is:

- A person employed by the College in an administrative, supervisory, academic, or authorized support staff position.
- A person employed by or under contract to the College to perform a special task, such as the attorney or auditor.

A school official has a legitimate educational interest if the official is:

- Performing a task that is specified in his or her position description or by contract agreement.
 - Performing a task related to a student's education.
 - Performing a task related to the discipline of a student.
2. To certain officials of the U.S. Department of Education, Comptroller General, and state and local educational authorities in connection with certain state or federally supported education programs.
 3. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of the aid.
 4. If required by state law requiring disclosure that was adopted before November 19, 1974.
 5. To organizations conducting certain studies authorized by the College.
 6. To accrediting organizations to carry out their functions.
 7. To comply with a judicial order or a lawfully issued subpoena.
 8. To appropriate parties in a health or safety emergency.
 9. To an alleged victim of any crime of violence of the results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime.

Record of Requests for Disclosure

Carroll College will maintain a record of all requests for and/or disclosure of information from a student's education records. The record will indicate the name of the party making the request, and additional party to whom it may be redisclosed, and the legitimate interest the party had in requesting or obtaining the information. The record may be reviewed by the eligible student.

Directory Information

Carroll College designates the following items as college directory information: student name, address, telephone number, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, thesis title, most recent previous school attended, and photograph. The College may disclose any of these items without prior written consent unless notified in writing to the contrary at the time of initial enrollment.

Correction of Education Records

Students have the right to ask to have records corrected that they believe are inaccurate, misleading, or in violation of their privacy rights. Following are the procedures for the correction of records:

1. A student must ask the custodian of the record to amend a record. In so doing, the student should identify the part of the record he or she wants changed and

specify why he or she believes it is inaccurate, misleading, or in violation of his or her privacy or other rights.

2. Carroll College may comply with the request or it may decide not to comply. If it decides not to comply, Carroll College will notify the student of the decision and advise him or her of his or her right to a hearing to challenge the information believed to be inaccurate, misleading, or in violation of the student's rights.
3. Upon request, Carroll College will arrange for a hearing and notify the student reasonably in advance of the date, place, and time of hearing.
4. The hearing will be conducted by a hearing officer who is a disinterested party; however, the hearing officer may be an official of the institution. The student shall be afforded a full and fair opportunity to present evidence relevant to the issues raised in the original request to amend the student's education records. The student may be assisted by one or more individuals, including an attorney.
5. Carroll College will prepare a written decision based solely on the evidence presented at the hearing. The decision will include a summary of the evidence presented and the reasons for the decision.
6. If Carroll College decides that the challenged information is not inaccurate, misleading, or in violation of the student's right of privacy, it will notify the student that he or she has a right to place in the record a statement commenting on the challenged information and/or a statement setting forth reasons for disagreeing with the decision.
7. The statement will be maintained as part of the student's education records as long as the contested portion is maintained. If Carroll College discloses the contested portion of the record, it must also disclose the statement.
8. If Carroll College decides that the information is inaccurate, misleading, or in violation of the student's right of privacy, it will amend the record and notify the student, in writing, that the record has been amended.



Bachelor of Arts Degree

To earn the Bachelor of Arts degree from Carroll College, the following requirements must be met:

1. Completion of the Carroll College Core Curriculum (CORE) for the Bachelor of Arts degree;
2. Completion of all program requirements in the major and minor (if one is taken);
3. Completion of 122 semester credits, only 2 of which may be physical education activity courses (HPE 101-102); and
4. Achievement of a cumulative 2.0 grade point average in
 - a. All courses taken,
 - b. The requirements in the major, taken as a unit,
 - c. The requirements in the minor, taken as a unit, and
 - d. The CORE, taken as a unit.

Core Curriculum—Bachelor of Arts Degree

- I. Foundations: 13 credits to be completed within the first forty-five semester hours at Carroll College

LAS 101 Alpha Seminar	3 credits
(required of all first-year students in the fall semester)	
TH 101 Theological Foundations.....	3 credits
EN 102 College Composition	4 credits
CO 101 Basic Communication	3 credits

Note: Foundations classes may not be used to meet other CORE requirements.
- II. Areas of Knowledge: 30-31 credits

Fine Arts (ART, DNC, MUS, THT)	3 credits
History.....	3 credits
Mathematics	3 credits
Literature	3 credits
Natural Sciences (lab course is required) (AS, BI, CH, EAS, PHYS)	3-4 credits
Philosophy	6 credits
Social Science (EC, GEOG, PO, PSY, SO).....	6 credits
Theology	3 credits
(TH101 may not be used to fulfill this requirement)	
- III. Writing-Intensive Requirement (WI): 2 courses, the two WI courses must be selected from two different disciplines with one in the major.
- IV. Diversity Requirement: 2 courses/experiences (one from A and one from B)
 - A. Global Diversity
 - i. approved study abroad
 - ii. class (GD) that meets criteria

iii. approved acquisition of a second language

B. National Diversity

- i. class (ND) that meets criteria
- ii. approved experiential learning opportunity
- iii. approved acquisition of a second language

Note: Members of the Honor Scholars Program (HSP) have unique course requirements and fulfill 15 of their 49 Carroll College Core Curriculum (CORE) credits by participating in HSP seminars. See index for page numbers for HSP and more information on specific CORE courses for HSP students.

Associate of Arts Degree

The Associate of Arts degree serves the student who does not wish to pursue a four-year baccalaureate program. It is designed to promote cultural growth and acquaintance with the major areas of study and to create a strong foundation in one area. Associate of Arts degrees are available with curricula in art, business administration, computer science, English, English writing, and communication theory.

To earn the Associate of Arts degree from Carroll College, the following requirements must be met:

1. Completion of the Carroll College Core Curriculum (CORE) for the Associate of Arts degree;
2. Completion of all program requirements in the major;
3. Completion of at least 66 semester hours of course work, only 2 of which may be physical education activity courses (HPE 101-102); and
4. Achievement of a 2.0 cumulative grade point average in
 - a. All courses taken,
 - b. The requirements in the major, taken as a unit, and
 - c. The CORE, taken as a unit.

Core Curriculum—Associate of Arts Degree

- I. Foundations: 13 credits to be completed within the first forty-five semester hours at Carroll College

LAS 101 Alpha Seminar	3 credits
(required of all first-year students in the fall semester)	
TH 101 Theological Foundations.....	3 credits
EN 102 College Composition	4 credits
CO 101 Basic Communication	3 credits

Note: Foundations classes may not be used to meet other CORE requirements.
- II. Areas of Knowledge: 15-16 credits (only one course from each area may be counted toward the 15-16 credits)

Fine Arts (ART, DNC, MUS, THT)	3 credits
History.....	3 credits

Mathematics	3 credits
Literature	3 credits
Natural Sciences (AS, BI, CH, EAS, PHYS)	3-4 credits
Philosophy	3 credits
Social Science (EC, GEOG, PO, PSY, SO).....	3 credits
Theology	3 credits
(TH101 may not be used to fulfill this requirement)	

III. Writing-Intensive Requirement (WI) 1 course

IV. Diversity Requirement: 1 course/experience

A. Global Diversity

- i. approved study abroad
- ii. class (GD) that meets criteria
- iii. approved acquisition of a second language

B. National Diversity

- i. class (ND) that meets criteria
- ii. approved experiential learning opportunity
- iii. approved acquisition of a second language

Note: Both full-time and part-time students must meet the Carroll College Core Curriculum in effect at the time they become degree candidates.



Majors & Areas of Concentration

- Accounting
- Biology
- Biology for Secondary Education
- Business Administration
- concentration in:*
 - Economics
 - Finance
 - Management
 - International Business
- Chemistry
- Chemistry for Secondary Education
- Civil Engineering
- Classical Studies
- Communication Studies
- Communication Studies for Secondary Education
- Computer Science
- concentration in:*
 - Computer Networking
 - Computer Programming-Business
 - Computer Programming-Physical Sciences
 - Computer Programming-Biological Sciences
 - Computer Science-Mathematics
 - Computer Science-Individually Designed Program
- Elementary Education
- Engineering (3-2)¹
- affiliate schools*
 - Columbia University
 - University of Notre Dame
 - University of Southern California
 - University of Minnesota
 - Gonzaga University
 - Montana Tech
 - Montana State University
- English
- English for Secondary Education
- English Writing
- Environmental Studies
- concentration in:*
 - Science
 - Community
 - Culture
- Ethics and Values Studies
- French
- Health and Physical Education
- concentration in:*
 - Community Health
 - Sports Management
- History
- History for Secondary Education
- History and Political Science for Screening Education
- International Relations
- Mathematics for Secondary Education
- Mathematics with a Cognate Concentration
- Nursing
- Performing Arts:Theatre
- concentration in:*
 - Acting/Directing
 - Performing Arts Technology
- Philosophy
- Political Science
- Political Science for Secondary Education
- Psychology
- Public Administration
- Public Relations
- concentration in:*
 - Business
 - Journalism
- Social Studies for Secondary Education
- Sociology
- Spanish
- Spanish Education (K-12)
- TESOL(Teaching English to Speakers of Other Languages)
- TESOL (K-12)
- Theology
- concentration in:*
 - Contextual
 - Systematic
- Pre-Professional Programs
- Dentistry
- Law
- Medicine
- Optometry
- Pharmacy
- Physical Therapy
- Physician's Assistant
- Veterinary Medicine
- Special Programs & Course Offerings
- Anthropology
- CILI (Carroll Intensive Language Institute)
- Cooperative Education & Internships
- Honors Scholars Program
- Languages: French, German, Greek, Latin, Linguistics,
Spanish
- Military Science
- Music
- Physics
- Study Abroad Program
- Visual Arts

¹Under the 3-2 program, students attend Carroll for three years and then transfer to an affiliate school to complete specialized studies. Upon completion of the program, students receive two degrees, one from Carroll and one from the affiliate school.

ACCOUNTING

Charles G. Ericksen, Jr., Ed.D.
Belle Marie, M.B.A.

Mission and Goals

The Department of Business, Accounting, and Economics offers Bachelor of Arts degrees in Accounting, Public Administration, or Business Administration. Students selecting majors in Business Administration must choose a concentration in Economics, Finance, International Business or Management. Minors are available in Accounting, Economics, Business or Public Administration and an Associate of Arts Degree is offered in Business Administration. Students may combine majors, minors and emphases.

Consistent with Carroll Colleges, dual goals of vocation and enlightenment, the Department of Business, Accounting, and Economics also serves a dual mission. Students are provided a common body of knowledge necessary for entry into a business-related career. At the same time, the curriculum ensures that students receive a well-rounded liberal arts education. Value oriented discussions, including ethical dilemmas encountered in global business, are included in the curriculum.

The Public Administration major, which is a joint effort between the Business, Accounting and Economics Department and the Political Science Department, provides relevant courses in business and political science to prepare students for administrative careers in local, state and federal governments. In addition, students are prepared to pursue graduate work in public administration.

The Business Administration major prepares students for careers in marketing, finance, management or economics. Students completing the Accounting major are prepared for professional certification exams. They are also provided with skills necessary to perform in an accounting related career. Through the liberal arts education, students develop valuable communication and reasoning skills. Both the Business Administration major and the Accounting major are designed and evaluated to ensure students are prepared for entry directly into the workforce or for acceptance into graduate school.

Major In Accounting

I. Major Program Requirements

Forty-five semester credits of accounting, business, and economics courses:

BA 203-204	Principles of Accounting
BA 301-302	Business Law
BA 303-304	Intermediate Accounting
BA 310	Governmental and Not-for-Profit Accounting
BA 311	Individual Federal Taxation
BA 313	Managerial Finance
BA 315	Cost Accounting
BA 405	Auditing
BA 406	Auditing II
BA 407	Advanced Accounting
EC 201-202	Principles of Economics

II. Other Program Requirements

CS 213	Computer Applications in Business
or BA 365	Advanced Spreadsheet Applications
MA 117	Difference Equations & Linear Algebra
or MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 207	Elementary Statistics

Note for Students Interested in Certification in Public Accountancy: Beginning in 1997, candidates for certification in Montana must have earned at least 150 semester hours of credit, including

those earned toward the baccalaureate degree. The 28 additional hours may be taken at Carroll College or at a graduate degree-granting institution.

The 150 semester hour requirement includes a requirement of 24 upper division accounting hours and 24 business related hours. Business related courses also include computer applications and communications. Students should meet with their advisors to select appropriate courses to satisfy the 150 hour or graduate school admission requirements.

If the student wishes to take the additional course work at Carroll, the following courses are highly recommended:

BA 312	Corporate Income Taxation
BA 360	Accounting and Finance Information Systems
BA 365	Advanced Spreadsheet Applications
BA 417	CPA/CMA Review
EC 406	International Economics

Note: All degree students should review requirements for graduation as described in this catalog.

Minor in Accounting

Minor Program Requirements

Twenty-one semester credits of accounting, including:

BA 203	Principles of Accounting I
BA 204	Principles of Accounting II
BA 303	Intermediate Accounting
BA 315	Cost Accounting
BA 313	Managerial Finance (optional)
BA 360	Accounting and Finance Information Systems (optional)

ANTHROPOLOGY

John Murphy Fox, M.A.

Mission

The mission of this department is to provide students with the requisite analytic tools for delving beneath the surface of everyday reality and perceiving the deeper meanings, recurring patterns, and concomitant structures that constitute the social world. As a department within a liberal arts college, we endeavor to integrate students' study of sociology with Carroll's broader and publicly articulated goals. Finally, as a department within a distinctly Catholic liberal arts college, we are committed to honoring students' search for "Ultimate Truth" and highlighting the ethical ramifications of what students learn in the classroom about society.

Goals

The overall and ongoing goal of this department is to pursue our tripartite mission of honing the "sociological imagination" among our students, demonstrating to them the variegated connections between sociology and other academic skills and disciplines, and conscientiously underscoring the ethical considerations that inevitably accompany their studies in the social world. Commensurate with our pursuit of this goal are the following, more specific objectives:

1. To contribute to a diverse array of course offerings that is constitutive of a liberal arts education in general, and certainly present within the intellectual and Catholic foundations of Carroll College.
2. To provide students with the necessary knowledge base and intellectual skills that will enable them to find meaningful employment and/or enroll in graduate school in their chosen fields.
3. To provide students with the kind of hands-on, practical experience that can both supplement their academic work, and

facilitate their discernment vis-à-vis their eventual career choices and directions for graduate study.

- To help integrate into a community of learners both within the department and within Carroll College as a whole.

Minor in Anthropology

The Anthropology minor is a multidisciplinary program offered through the Department of Sociology/Anthropology. It emphasizes a more inclusive view of human experience and human endeavor through time. Additionally, course work includes a special emphasis in American Indian cultures, of constitutionally recognized significance in Montana.

Minor Program Requirements

Twenty-two semester credits in anthropology, including:

AN 204	Cultural Anthropology
AN 208	The Family
AN 218	Introduction to Native American Studies
AN 317	Ethnic and Racial Relations
AN 318	American Indians
AN 499	Capstone Thesis (1 cr. project)

Note: Three of the remaining six 6 credits must be upper division (300 and 400 level) courses:

GEOG 202	World Regional Geography
LL 220	Introduction to Linguistics
PHIL 223	Oriental Philosophy
CO 325	Intercultural Communication
SO 314	Sociology of Law
SO 351	Medical Sociology

Note: Anthropology courses taken for the minor cannot be counted toward the requirements for a Major in Sociology Minor in Sociology

BIOLOGY

John S. Addis, Ph.D.
Sam Alvey, Ph.D.
Jacqueline E. Brehe, Ph.D.
Jennifer Geiger, Ph.D.
Dan Gretch, Ph.D.
D. Grant Hokit, Ph.D.
Gerald Shields, Ph.D.
David Traynor, D.V.M.

Mission and Goals

The biology major program is designed to provide students with the knowledge and skills needed to enter graduate or professional school or to gain employment in their field. Students completing the major program in biology are expected to have

- an understanding of the basic principles and concepts of the major field;
- the critical thinking skills needed for solving problems in the field;
- the abilities to evaluate and interpret data and to analyze and synthesize information from different sources;
- a working knowledge of fundamental laboratory techniques and the ability to use them to perform experiments in the field;
- the writing and speaking skills needed to communicate effectively in the field.

Major in Biology

I. Major Program Requirements

BI 171-172	Biological Principles I & II
BI 221	Cell Biology
BI 300	Genetics
BI 420	Topics In Biological Sciences
BI 496	Senior seminar
Three additional upper-division courses from the following list:	
BI 305	Microbiology
BI 306	Plant Biology
BI 308	Animal Physiology
BI 311	Ecology
BI 323	Comparative Anatomy
BI 350	Developmental Biology
BI 370	Evolutionary Biology
CH 353	Biochemistry

II. Other Program Requirements

CH 101-102	General Chemistry
CH 301-302	Organic Chemistry
MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 207	Elementary Statistics
PHYS 201-202	General Physics I and II

Notes: 1. All biology majors must earn a grade of “C” or better in all major courses (sections I and II above) and successfully pass the senior comprehensive examination in biology. Students must pass prerequisites with a “C” or better to advance to subsequent courses.

2. All degree students should review requirements for graduation as described in this catalog.

Major In Biology For Secondary Education

I. Major Program Requirements

BI 171-172	Biological Principles I & II
BI 221	Cell Biology
BI 300	Genetics
BI 420	Topics in Biological Science
One additional upper division course from the following list:	
BI 305	Microbiology
BI 306	Plant Biology
BI 308	Animal Physiology
BI 311	Ecology
BI 323	Comparative Anatomy
BI 350	Developmental Biology
BI 370	Evolutionary Biology
CH 353	Biochemistry

II. Other Program Requirements

CH 101-102	General Chemistry
CH 301	Organic Chemistry
MA 207	Elementary Statistics
MA xxx	One additional course in mathematics
PHIL 252	Philosophy and History of Science
PHYS xxx	One course in physics is recommended

Note: All biology for secondary education students must earn a grade of “C” or better in all major courses (sections I and II above) and successfully pass the senior comprehensive examination in biology.

III. Professional Education Requirements

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education

ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 327	Content Area Reading/Language Arts
ED 309	Teaching in the Secondary School
ED 346	Teaching Science in the Secondary School
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement & Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children
United States and contemporary world cultures course(s)—see index for page number.	

IV. Acceptance into the Teacher Education Program and Student Teaching Program

Teacher Education Program: Students pursuing academic programs that lead to teacher licensure must seek admission to the teacher education program by the end of their sophomore year.

Student Teaching Program: In the spring semester of the junior year, all preservice teachers must seek admission to the student teaching program. See index for page numbers for Teacher Education and Student Teaching programs.

Note: In order to be licensed to teach in a secondary school in Montana, a student is required to have a teaching minor in a subject field acceptable for licensure endorsement as well as the teaching major. All degree students should review requirements for graduation as described in this catalog.

Minor in Biology

I. Minor Program Requirements

BI 171-172	Biological Principles I & II
BI 221	Cell Biology
BI 300	Genetics

One additional upper-division course from the following list:

BI 305	Microbiology
BI 306	Plant Systematics
BI 308	Animal Physiology
BI 311	Ecology
BI 323	Comparative Anatomy
BI 350	Developmental Biology
BI 370	Evolutionary Biology
CH 353	Biochemistry

II. Other Program Requirements

CH 101-102	General Chemistry
CH 301	Organic Chemistry

Minor in Biology for Secondary Education

I. Minor Program Requirements

BI 171-172	Biological Principles I & II
BI 221	Cell Biology
BI 300	Genetics

II. Other Program Requirements

CH 101-102	General Chemistry
CH 301	Organic Chemistry
ED 346	Teaching Science in the Secondary School
MA 207	Elementary Statistics
PHIL 252	Philosophy and History of Science

BUSINESS ADMINISTRATION

Charles G. Ericksen, Jr., Ed.D.
Gordon Flanders, M.B.A.
Belle Marie, M.B.A.
Bethalee J. Wilson, M.B.A.

Mission and Goals

The Department of Business, Accounting, and Economics offers Bachelor of Arts degrees in Accounting, Public Administration, or Business Administration. Students selecting majors in Business Administration must choose a concentration in Economics, Finance, International Business or Management. Minors are available in Accounting, Economics, Business or Public Administration and an Associate of Arts Degree is offered in Business Administration. Students may combine majors, minors and emphases.

Consistent with Carroll Colleges, dual goals of vocation and enlightenment, the Department of Business, Accounting, and Economics also serves a dual mission. Students are provided a common body of knowledge necessary for entry into a business-related career. At the same time, the curriculum ensures that students receive a well-rounded liberal arts education. Value oriented discussions, including ethical dilemmas encountered in global business, are included in the curriculum.

The Public Administration major, which is a joint effort between the Business, Accounting and Economics Department and the Political Science Department, provides relevant courses in business and political science to prepare students for administrative careers in local, state and federal governments. In addition, students are prepared to pursue graduate work in public administration.

The Business Administration major prepares students for careers in marketing, finance, management or economics. Students completing the Accounting major are prepared for professional certification exams. They are also provided with skills necessary to perform in an accounting related career. Through the liberal arts education, students develop valuable communication and reasoning skills. Both the Business Administration major and the Accounting major are designed and evaluated to ensure students are prepared for entry directly into the workforce or for acceptance into graduate school.

Goals for Majors in the Department of Business Administration, Accounting and Economics

A successful graduate of the department will be able to:

- Use data and statistics in order to understand and analyze relevant problems
- Understand and analyze financial statements of economic entities
- Read and understand publications covering topics discussed in the various majors in the department
- Organize and present ideas and information orally in small group settings
- Design and carry out independent and collaborative projects
- Use contemporary information technology effectively including the library, the internet and computer software
- Write essays and short papers in a clear and concise fashion with emphasis on content, style and analytical ability
- Understand and explain important issues encountered in economic entities with particular emphasis on ethical and global implications.

Major in Business Administration with an Area of Concentration

I. Major Program Requirements

(For Each Area of Concentration Below)

Thirty-six semester credits of accounting, business, and economics courses, including:

BA 203-204	Principles of Accounting
BA 301-302	Business Law
BA 306	Marketing
BA 313	Managerial Finance
BA 375	Fundamentals of Management
BA 392	International Business
BA 410	Business Policy
EC 201-202	Principles of Economics
EC 309	Financial Markets and Institutions

Plus one of the following areas of concentration (9 Credits):

A. Economics

EC 315	Managerial Economics
EC 316	Intermediate Macroeconomics

And 1 of the following courses:

BA 409	Operations Research
EC 302	Labor Relations and Public Policy
EC 304	Public Finance
EC 406	International Economics

B. Finance

BA 314	Advanced Financial Analysis and Planning
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And 2 of the following courses:

BA 303	Intermediate Accounting
BA 307	Investment Strategies
BA 315	Cost Accounting
BA 365	Advanced Spreadsheet Applications*
BA 409	Operations Research
BA 411	Investment Management

C. Management

Three of the following courses:

BA 377	Small Business Management
BA 380	E-Commerce
BA 408	Human Resource Management
BA 409	Operations Research
BA 413	Organizational Behavior
CO 320	Organizational Communications
EC 302	Labor Relations and Public Policy

D. International Business

Required:

BA 401	International Marketing
EC 406	International Economics

One of the following courses:

CO 325	Intercultural Communication
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Study Abroad Experience (3 credits)

Foreign Language (3 credits)

E. Marketing

BA 320	Marketing Research
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And 2 of the following:

BA 322	Consumer Behavior
BA 324	Marketing Communication and Promotion
BA 326	New Product Development
BA 401	International Marketing

II. Other Program Requirements

CS 213	Computer Applications in Business
or BA 365	Advanced Spreadsheet Applications*
MA 117	Difference Equations & Linear Equations
or MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 207	Elementary Statistics

*Note: BA365 fulfills either a course requirement in the finance concentration or the computer requirement. It cannot be counted as both a finance course and the computer course.

Concentration courses may be double counted to fulfill CORE requirements or requirements for other academic majors and still count as a concentration course. However, each concentration requires the completion of 3 courses and a concentration course may be applied to only one area of concentration. It cannot be double counted to fulfill concentration requirements in more than one area of concentration.

Minor in Business Administration

Minor Program Requirements

Twenty-one semester credits of business and economics courses, including:

BA 203-204	Principles of Accounting
BA 306	Marketing
BA 313	Managerial Finance
BA 375	Fundamentals of Management
EC 201-202	Principles of Economics

Curriculum in Business Administration for the Associate of Arts Degree

Program Requirements

BA 203-204	Principles of Accounting
BA 306	Marketing
BA 375	Principles of Management
EC 201-202	Principles of Economics
And 1 of the following:	
BA 301	Business Law
BA 313	Managerial Finance
BA 408	Human Resource Management

Note: All degree students should review requirements for graduation as described in this catalog.

CHEMISTRY

Dawn Bregel, Ph.D.
Dan Gretch, Ph.D.
John Salzsieder, Ph.D.
Kyle S. Strode, Ph.D.
Ron L. Wilde, Ph.D.

Mission and Goals

The chemistry major program is designed to provide students with the knowledge and skills needed to enter graduate or professional school or to gain employment in their field. Students completing the major program in chemistry are expected to have

- an understanding of the basic principles and concepts of the major field;
- the critical thinking skills needed for solving problems in the field;
- the abilities to evaluate and interpret data and to analyze and synthesize information from different sources;

- a working knowledge of fundamental laboratory techniques and the ability to use them to perform experiments in the field;
- the writing and speaking skills needed to communicate effectively in the field.

Major in Chemistry

I. Major Program Requirements

CH 101-102	General Chemistry
CH 205	Quantitative Analysis
CH 301-302	Organic Chemistry
CH 306	Instrumental Methods
CH 391-392	Physical Chemistry
CH 496	Senior Seminar

One additional upper-division course from the following list:

CH 353	Biochemistry
CH 405	Advanced Inorganic Chemistry
CH 406	Advanced Organic Chemistry

II. Other Program Requirements

MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 233	Multivariable Calculus
PHYS 205-206	Engineering Physics I & II

Note: All chemistry majors must earn a grade of “C” or better in all major courses (Section I and II above). Students must pass prerequisites with a “C” or better to enroll in chemistry courses.

Major in Chemistry for Secondary Education

I. Major Program Requirements

CH 101-102	General Chemistry
CH 205	Quantitative Analysis
CH 301-302	Organic Chemistry
Two additional upper division Chemistry courses	

II. Other Program Requirements

MA 121	Differential Calculus
PHIL 252	Philosophy and History of Science
One additional two-semester course from the following list:	
BI 171-172	Biological Principles I & II
PHYS 201-202	Physics I and II
PHYS 205-206	Engineering Physics

III. Professional Education Requirements

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 309	Teaching in the Secondary School
ED 327	Content Area Reading/Language Arts
ED 346	Teaching Science in the Secondary School
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement & Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children

United States and contemporary world cultures course(s)—see index for page number.

Note: All chemistry for secondary education majors must earn a grade of “C” or better in all major courses (Section I and II above). Students must pass prerequisites with a “C” or better to enroll in chemistry courses.

IV. Acceptance into the Teacher Education Program and Student Teaching Program

A. Teacher Education Program: Individuals pursuing academic programs that lead to teacher licensure must seek admission to the teacher education program by the end of their sophomore year.

B. Student Teaching Program: In the spring semester of the junior year, all preservice teachers must seek admission to the student teaching program. See index for page numbers for these programs.

Note: In order to be licensed to teach in a secondary school in Montana, a student is required to have a teaching minor in a subject field acceptable for licensure endorsement as well as the teaching major. All degree students should review requirements for graduation as described in this catalog.

Minor in Chemistry

I. Minor Program Requirements

CH 101-102	General Chemistry
CH 205	Quantitative Analysis
CH 301-302	Organic Chemistry
Plus 1 additional upper-division chemistry course	

Minor in Chemistry for Secondary Education

I. Minor Program Requirements

CH 101-102	General Chemistry
CH 205	Quantitative Analysis
CH 301-302	Organic Chemistry

II. Other Program Requirements

ED 346	Teaching Science in the Secondary School
MA 121	Differential Calculus
MA 207	Elementary Statistics
PHIL 252	Philosophy and History of Science
Plus 1 additional 4-credit course in biology or physics.	

CIVIL ENGINEERING

Garry Fischer, M.S.
Mary E. Keeffe, Ph.D.
Terence J. Mullen, P.E.
John L. Scharf, Ph.D.
Anthony M. Szpilka, Ph.D.

Mission and Goals

Consonant with the mission of the College, this department is “dedicated to providing for its students the means for their full realization of a dual goal of vocation and enlightenment.” Society requires competent professionals who can solve contemporary problems by using connections among disciplines, especially the humanities, engineering and technology, and the sciences. The Programs within this Department are designed to blend the unique characteristics of Catholic liberal arts education with preparation for productive and rewarding professional careers. The four professional educational objectives of this department are to produce graduates who have:

- 1) The specialized knowledge and skills necessary for initiation into their chosen profession,
- 2) A broad range of skills necessary for effective communication,
- 3) An appreciation for the interrelationships among the branches of knowledge,
- 4) The ethical, social, and aesthetic perspectives necessary for values-based judgment and decision-making.

Major in Civil Engineering

The civil engineering program is accredited by the Engineering Accreditation Commission of the Accreditation Board of Engineering & Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. Telephone: 410-347-7700.

The civil Engineering Program has adopted the philosophy and goals of the department. The four major areas of study with the Program are: structures, environmental, water resources, and transportation.

I. Major Program Requirements

ENGR 104	Engineering Graphics and CAD Applications
ENGR 201	Introduction to Engineering
ENGR 202	Water Distribution Systems
ENGR 302	Engineering Mechanics I: Statics
ENGR 303	Engineering Mechanics II: Solids
ENGR 305	Electrical Circuits and Electronics
ENGR 307	Fluid Mechanics
ENGR 308	Thermodynamics
ENGR 309	Geotechnical Engineering
ENGR 310	Structures I
ENGR 313	Hydrology
ENGR 401	Hydraulics
ENGR 402	Environmental Engineering Principles
ENGR 403	Structures II: Steel Design
ENGR 405	Water and Wastewater Treatment
ENGR 406	Structures III: Reinforced Concrete Design
ENGR 407	Transportation Engineering
ENGR 411-412	Senior Design Project
ENGR 289	Construction Materials

II. Other Program Requirements

EC 201 or 202	Principles of Economics (EC 202 preferred)
EC 203	Project Management Economics
CH 101-102	General Chemistry I and II
EN 325	Technical Writing
MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 232	Differential Equations and Linear Algebra I
MA 233	Multivariable Calculus
MA 334	Differential Equations and Linear Algebra II
MA 336	Probability and Statistics I
PHIL 207	Business Ethics
PHYS 205-206	Engineering Physics

Students must take the Fundamental of Engineering (FE) exam within nine months prior to receiving the degree.

To earn a Bachelor of Arts degree with a major in civil engineering, a student must earn a grade of "C" or better in all of the courses listed under "Major Program Requirements" and under "Other Program Requirements." A lesser grade in any of these courses must be replaced before the Bachelor of Arts degree with a major in civil engineering will be granted. In addition, lesser grades in any of these courses preclude taking subsequent courses for which the deficient courses are a prerequisite.

CLASSICAL STUDIES

Rev. Daniel Shea, Ph.D.

Mission and Goals

The Classical Studies program is designed to provide students with the special knowledge, skills, and pedagogy needed to enter graduate or professional schools or to gain employment in their field. Consequently, students completing this major program are expected to have

- an understanding of the basic knowledge, concepts, and critical theories of the major field;
- the critical thinking skills needed for generating and analyzing both literary and expository texts;
- an ability to read, speak, and write in a second language;
- the writing and speaking skills needed to communicate effectively in the field;
- an understanding of cross-cultural issues.

The major program of study offer sound preparation for graduate study in literature, languages, or writing. In addition, it is possible for a student to design a program to prepare for studying law or for entering a career in journalism, public relations, public information, or communications. An option is available in the senior year to intern in the local community for practical experience under EN/FR/GK/GM/LA/SP 422 Career Internship.

Major in Classical Studies

I. Major Program Requirements

Forty-eight semester credits including:

LA 101-102	Introductory Latin
LA 203-204	Intermediate Latin
GK 201-202	Introductory Greek
GK 301-302	Intermediate Greek
CLST 491	Senior Research Seminar
CLST 492	Senior Writing Seminar

II. Other Program Requirements

Eighteen semester credits from the following:

AT 210	Art Appreciation
ENLT 215	Survey of Classical Literature (must be the Classical Literature section of ENLT 215)
HI 201	Greek History
HI 202	Roman History
HI 203-204	Medieval History
HI 301	History of the Catholic Church
LL 220	Introduction to Linguistics
PHIL 209	Ancient Philosophy
PHIL 302	Medieval Philosophy
TH 207	Introduction to the Old Testament
TH 208	Introduction to the New Testament
TH 303	History of Christian Thought

All candidates for the Bachelor of Arts degree in Classical Studies are required to write a comprehensive paper. By April 1 of the junior year, students must submit a proposal stating the topic of the comprehensive paper and signed by the faculty member who has agreed to direct the paper.

Minor in Classical Studies

Program Requirements

Twenty-six semester credits, including

LA 101 and 102	Introductory Latin
GK 201 and 202	Introductory Greek
And 12 credits	from 4 multi-disciplinary courses

COMMUNICATION STUDIES

Julie Benson-Rosston, M.A.

Charlotte M. Jones, Ph.D.

Doreen Kutufam, Ph.D

Brent Northup, M.A.

Mission and Goals

The mission of the Communication Department mirrors the mission of the college: by seeking the “full realization of the dual goals of vocation and enlightenment.”

The communication department has developed both educational/vocational goals and holistic goals for the enlightenment of our students.

The educational/vocational goals of the Communication Department:

- 1) to teach students to communicate effectively
- 2) to prepare students for a career in a business or another communication-related field
- 3) to prepare students for possible graduate study in communication or a related field
- 4) to prepare students for a possible career in public relations
- 5) to prepare students for a possible career in journalism
- 6) to prepare students for a possible career as a secondary education teacher of communication, speech or forensics
- 7) to train students to succeed in intercollegiate forensics competition

The holistic goals of the Communication Department:

- 1) to advise students comprehensively, including the development of a four-year plan leading to a major or minor and the development of a general career lifeplan
- 2) to illuminate students on the need to use communication constructively and unselfishly, to serve others and to promote peace on all levels - interpersonal, societal and global
- 3) to illuminate students on the moral foundations of communication, which include the need to treat every person with reverence
- 4) to illuminate students on the need for intercultural understanding in order to treat people of all backgrounds with tolerance and respect and
- 5) to teach practical communication skills - such as conflict management skills and relationship-building skills - which can enhance the personal life of students for a lifetime

Major in Communication Studies

I. Major Program Requirements

Thirty-six semester credits of communication courses, including:

CO 101	Basic Communication
CO 108	Desktop Publishing
CO 206	Small Group Communication
CO 225	Professional Communication
CO 280	Gender Communication
CO 308	Communication Ethics
CO 320	Organizational Communication
CO 340	Interpersonal Communication Theory
CO 395	Research Methods
CO 414	Human Communication Theory
CO 495	Senior Practicum: The Graceful Exit

Notes: 1. A maximum of 6 credit hours in forensics at the 200-level or above may apply toward the communication studies major.

2. Forensics at 200-level or above may be substituted for CO 225.
3. All degree students should review requirements for graduation as described in this catalog.

II. Other Program Requirements

ENWR 306/CO 351 Writing for the Media

Note: The Department of Communication Studies will administer a two-part comprehensive exam at the end of each student's senior year. The first part, an oral presentation by the student, is required of all students. The second part, the comprehensive on all communication coursework, is not required of students who complete CO 499, Honors Thesis.

Major in Communication Studies for Secondary Education

I. Major Program Requirements

Thirty-six semester credits of communication, including:

CO 101	Basic Communication
CO 111-112-211-212	Forensics
CO 206	Small Group Communication
CO 225	Professional Communication
CO 280	Gender Communication
CO 308	Communication Ethics
CO 325	Intercultural Communication
CO 340	Interpersonal Communication Theory
CO 395	Research Methods
CO 414	Human Communication Theory

Note: A maximum of 6 credits in forensics at the 200 level or above may apply toward the communication studies major.

II. Other Program Requirements

CS 101	Survey of Computer Science or
or CO 108	Desktop Publishing
CO/ED 417	Methods of Teaching Speech Communication

Note: The Department of Communication Studies will administer a comprehensive oral examination at the end of the student's senior year. Students who complete CO 499 Honors Thesis are not required to take the comprehensive examinations.

III. Professional Education Requirements

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 309	Teaching in the Secondary School
ED 327	Content Area Reading/Language Arts
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children

United States and contemporary world cultures course(s)—see index for page number.

IV. Acceptance into the Teacher Education Program and Student Teaching Program

A: Teacher Education Program: Individuals pursuing academic programs that lead to teacher licensure must seek admission to the teacher education program by

the end of their sophomore year.

B: Student Teaching Program: In the spring semester of the junior year, all preservice teachers must seek admission to the student teaching program, see index for page numbers for these programs.

Notes: 1. In order to be licensed to teach in a secondary school in Montana, a student is required to have a teaching minor as well as a teaching major in a subject field acceptable for licensure.

2. All degree students should review requirements for graduation as described in this catalog.

Minor in Communication Studies

Minor Program Requirements

Twenty-one semester credits in communication, including:

CO 101	Basic Communication
CO 206	Small Group Communication
CO 225	Professional Communication
CO 280	Gender Communication
CO 308	Communication Ethics
CO 340	Interpersonal Communication Theory
CO 351	Writing for the Media

Note: A maximum of 3 semester credits in forensics at the 200-level or above may apply towards the communication studies minor. Forensics at the 200-level or above may be substituted for CO 225.

Minor in Communication Studies for Secondary Education

I. Minor Program Requirements

CO 101	Basic Communications
CO 111-112-212	Forensics (12 credits)
CO 206	Small Group Communication
CO 225	Professional Communication
CO 280	Gender Communication
CO 308	Communication Ethics
CO 325	Intercultural Communication
CO 340	Interpersonal Communication Theory

Note: A maximum of 3 semester credits in forensics at the 200-level or above may apply towards the communication studies minor.

II. Other Program Requirements

CS 101	Survey of Computer Science
or CO 108	Desktop Publishing
CO/ED 417	Methods of Teaching Speech Communication

Curriculum in Communication Studies for the Associate of Arts Degree

Program Requirements

Twenty-four semester credits in communication studies, including:

CO 101	Basic Communication
CO 206	Small Group Communication
CO 225	Professional Communication
CO 280	Gender Communication
CO 308	Communication Ethics
CO 340	Interpersonal Communication Theory
CO 351	Writing for the Media
CO 414	Human Communication Theory

Note: All degree students should review requirements for graduation as described in this catalog.

COMPUTER SCIENCE

R. Stephen Harper, M.S.
David C. Marshall, M.S.
Philip B. Rose, M.Sc.

Mission and Goals

The computer science program is designed to:

- Provide a challenging and appropriate curriculum that will prepare students for productive careers or further education in graduate school.
- Provide an atmosphere in which learning can develop into a life long commitment to learning.
- Teach students to apply their knowledge to solving practical problems by working individually and collaboratively.
- Teach students to communicate effectively orally and in writing.

Major in Computer Science

I. Major Program Requirements

CS 110	Introduction to Computer Science & Java Programming
CS 120	Data Structures and Program Design
CS 230	Software Engineering
CS 240	Software Engineering Project
CS 309	Computer Architectures
CS 310	Database Design & Implementation I
CS 430	Senior Project
CS 495	Computer Science Seminar

II. Other Program Requirements

CO 206	Small Group Communications
EN 325	Technical Writing
MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 328	Discrete Mathematics I

III. Required Area of Concentration

The course of study for a Bachelor of Arts degree with a major in computer science requires selection of an area of concentration. The approved areas of concentration are:

A. Computer Networking

CS 201	Web Design
CS 202	Web Development
CS 330	Computer Networking I
CS 331	Computer Networking II
CS/MA 403	Intro to Modern Cryptography
CS 410	Operating Systems
CS 421	Computer and Network Security

B. Computer Programming– Business

BA 203	Principles of Accounting I
BA 204	Principles of Accounting II
EC 201	Principles of Economics I
EC 202	Principles of Economics II
EC 203	Project Management

plus 3 additional courses from the following list:

BA 306	Marketing
BA 313	Managerial Finance
BA 360	Computerized Accounting & Finance

- BA 375 Fundamentals of Management
- BA 380 E-Commerce
- BA 409 Operations Research

C. Computer Programming – Physical Sciences

- MA 232 Differential Equations & Linear Algebra I
- MA 233 Multivariable Calculus
- MA 334 Differential Equations and Linear Algebra II
- CH 101 General Chemistry I
- CH 102 General Chemistry II
- PHYS 205 Engineering Physics I: Mechanics
- PHYS 206 Engineering Physics II: Electricity & Magnetism

D. Computer Programming – Biological Sciences

- BI 171 Biological Principle I
 - BI 172 Biological Principle II
 - CH 101 General Chemistry I
 - CH 102 General Chemistry II
- plus 3 additional courses from the following list:
- BI 221 Cell Biology
 - BI 300 Genetics
 - BI 306 Plant Systematic
 - BI 308 Animal Physiology
 - BI 311 Ecology
 - BI 370 Evolutionary Analysis
 - CH 301 Organic Chemistry I

E. Computer Science – Mathematics

- MA 232 Differential Equations & Linear Algebra I
- MA 233 Multivariable Calculus
- MA 334 Differential Equations & Linear Algebra II
- MA 336 Probability and Statistics I
- MA 341 Probability and Statistics II
- MA 342 Numerical Computing
- MA 421 Advanced Applications & Optimization

F. Individually Designed Program

Since the standard tracks listed in A. through E. may not address every student's desired educational plan, students may design a custom area of concentration that better addresses their focus. This plan must be approved by the computer science faculty and the college registrar.

To earn a Bachelor of Arts degree with a major or minor in computer science, a student must earn a grade of "C" or better in all of the courses listed under "Major Program Requirements", "Required Area of Concentration", and "Other Program Requirements." A lesser grade in any of these courses must be replaced before the Bachelor of Arts degree with a major or minor in computer science will be granted. In addition, a "D" or "F" grade in any of these courses precludes taking subsequent courses for which the deficient course is a prerequisite.

Major in Computer Information Systems (CIS)

I. Major Program Requirements

- CS 110 Introduction to Computer Science & Java Programming
- CS 120 Data Structures and Program Design
- CS 230 Software Engineering
- CS 213 Computer Apps in Business
- or BA 365 Adv Spreadsheets
- or BA 380 Ecommerce
- CS 310 Database Design & Implementation I
- CS 311 Database II
- BA 360 Accounting IS Systems (Optional)
- BA 375 Fundamentals of Management
- CS 201-202 Web Design and Development

- CS 330-331 Networking I and II
- CS 410 Operating Systems
- CS 421 Computer and Network Security
- BA 301 Business Law
- CS 425/487 Internship

II. Other Program Requirements

- CO 206 Small Group Communications
- EN 325 Technical Writing
- EC 203 Project Management
- BA 203 Accounting I
- MA 207 Probability and Statistics

Minor in Computer Science

I. Programming Minor

- CS 110 Introduction to Computer Science and Java Programming
- CS 120 Data Structures and Program Design
- CS 230 Software Engineering
- CS 240 Software Engineering Project
- CS 310 Database Design & Implementation I
- CS 430 Senior Project
- CS 495 Computer Science Seminar

II. Web Development Minor

- CS 110 Introduction to Computer Science and Java Programming
- CS 120 Data Structures and Program Design
- CS 201 Web Graphics, Animation & Layout
- CS 202 Web Coding & Development
- CS 310 Database Design and Implementation I
- CS 330 Computer Networking I
- CS 331 Computer Networking II
- CS 495 Computer Science Seminar

III. Minor in Computer Science for Secondary Education

A. Minor Program Requirements

- CS 110 Introduction to Computer Science and Java Programming
- CS 120 Data Structures and Program Design
- CS 213 Computer Applications in Business
- CS 309 Computer Architecture
- CS 330 Data Communications
- CS 495 Computer Science Seminar

B. Other Program Requirements

- ED 418 Teaching Mathematics in the Secondary School
- MA 131 Calculus of Single Variable Functions
- or MA 121-122 Differential and Integral Calculus
- MA 207 Elementary Statistics
- MA 328 Discrete Mathematics

C. Professional Education Requirements. See

"Department of Education" and "Secondary Education Requirements" for the professional education requirements.

Minor in Computer Science

Minor Program Requirements

Twenty-two semester credits including:

- CS 110 Introduction to Computer Science & Java Programming
- CS 201-202 Web Coding and Development
- CS 310 Database Design and Implementation
- CS 330 Computer Networking

Plus 1 additional course:

CS 120	Data Structures and Program Design
CS 311	Database II
CS 331	Computer Networking II
CS 410	Operating Systems

Curriculum in Computer Science for the Associate of Arts Degree

Computer Science Course Requirements:

Completion of the requirements for the minor in computer Science

ECONOMICS

Mission and Goals

The Department of Business, Accounting, and Economics offers Bachelor of Arts degrees in Accounting, Public Administration, or Business Administration. Students selecting majors in Business Administration must choose a concentration in Economics, Finance, International Business or Management. Minors are available in Accounting, Economics, Business or Public Administration and an Associate of Arts Degree is offered in Business Administration. Students may combine majors, minors and emphases.

Consistent with Carroll Colleges, dual goals of vocation and enlightenment, the Department of Business, Accounting, and Economics also serves a dual mission. Students are provided a common body of knowledge necessary for entry into a business-related career. At the same time, the curriculum ensures that students receive a well-rounded liberal arts education. Value oriented discussions, including ethical dilemmas encountered in global business, are included in the curriculum.

The Public Administration major, which is a joint effort between the Business, Accounting and Economics Department and the Political Science Department, provides relevant courses in business and political science to prepare students for administrative careers in local, state and federal governments. In addition, students are prepared to pursue graduate work in public administration.

The Business Administration major prepares students for careers in marketing, finance, management or economics. Students completing the Accounting major are prepared for professional certification exams. They are also provided with skills necessary to perform in an accounting related career. Through the liberal arts education, students develop valuable communication and reasoning skills. Both the Business Administration major and the Accounting major are designed and evaluated to ensure students are prepared for entry directly into the workforce or for acceptance into graduate school.

Minor in Economics

Minor Program Requirements

Twenty-one semester credits of economics courses, including:

EC 201-202 Principles of Economics

And 5 upper-division economics courses, including:

BA 409 Operations Research

EDUCATION: TEACHER

Gloria J. Lambertz, Ed.D.

Jonathan C. Matthews, Ph.D.

Robert J. Stansberry, Ed.D.

Roderick M. Thronson, Ed.D.

Lynette E. Zuroff, Ed.D.

Mission

The teacher education unit's mission is to prepare students for lifelong

learning, developing future educators' intellect, imagination, self-confidence, and motivation, while preparing them for the teaching profession. Students investigate, reflect, analyze, and judge reality and truth through inquiry and discussion. Committed to educating each student as a total human being, the teacher education unit helps students to receive, respond to, organize, and characterize values. Specifically, students develop values about teaching, society, health behaviors, moral issues, education, and political influences. We ask our students to think boldly about the opportunities and responsibilities presented to us by a rapidly changing world. Students within the department are encouraged to live Carroll College's mission by participating in community service and by interacting with children and adults from diverse cultural, religious, economic, and intellectual backgrounds.

The teacher education unit advances this mission as it works within the conceptual framework of Carroll College's teacher education unit. That framework is built upon a liberal arts education, structured by traditional educational philosophies, and embraced by an atmosphere of dignity, which values justice of all persons. Access the complete Teacher Education Conceptual Framework and the current Title II pass rates from Carroll College's Education Homepage.

Goals and Objectives

The goal of Carroll College's teacher education program is to assist students in developing teaching competencies in their chosen fields and help them become educational leaders capable of responding to their students' individual needs. Teacher education graduates will demonstrate competence in the 10 INTASC standards, as well as an additional Montana standard. The following dispositions, skills, and knowledge are to be viewed in conjunction with specific goals and objectives established for the college and for each required professional education course.

DISPOSITIONS

1. Demonstrate an attitude of professionalism through
 - a. his/her behavior as a role model to students;
 - b. continuing self-development;
 - c. ethical behavior;
 - d. peer support;
 - e. contributions to the growth of the profession.
2. Maintain healthy student/teacher relationships.
3. Exhibit continued enthusiasm for teaching profession.
4. Have appropriate relationships with administrators, teachers, support personnel, parents, and other community members.
5. Be encouraged to participate in community service.
6. Project a positive self-image.
7. Appreciate the whole person by recognizing the uniqueness of each individual student.

SKILLS

1. Classroom management and coping
2. Classroom motivation and interaction
3. Planning and lesson design
4. Teaching strategies
5. Instructional decision making
6. Problem-solving inquiry
7. Student diagnosis
8. Media and technology resource
9. Effective peer group interaction
10. Effective listening, speaking, reading, writing, thinking, and viewing.

KNOWLEDGE

1. Content (subject matter)
2. Law and ethics
3. Referral systems
4. Instruction of the special child

5. Child development, sociology, learning theory, self-concepts, philosophies of education.
6. Comprehension, analysis, and evaluation of print and non-print information and messages.
7. Standard conventions of writing and speaking
8. Analysis of literature and fine arts.
9. Mathematics
10. Science
11. Social studies
12. Connecting learning with workforce and fulfillment of living

In addition to the above goals and objectives, each licensure area has goals and objectives.

Major in Elementary Education

In order to earn the Bachelor of Arts degree with a major in elementary education and obtain teaching licensure in grades K-8, a student must successfully complete the following:

I. Major and Professional Education Program Requirements

ED 102	Foundations of Education
ED 205	Classroom Management
ED 212	Teaching Mathematics in the Elementary School
ED 228	Children's Literature
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 312	Elementary Science and Social Studies
ED 320	Art Education in the Elementary School
ED 323	Teaching the Communication Arts I
ED 324	Corrective and Remedial Reading
ED 325	Teaching the Communication Arts II
ED 329	Music Education in the Elementary School
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
HPE 109	Techniques of Basic Skills in Physical Education
HPE 314	Physical Education in the Elementary School
SPED 300	Introduction to Exceptional Children

Note: ED 403-404 is an alternative program to student teaching. It is possible to obtain an elementary education major from Carroll without teacher licensure. Students who choose this option need not complete ED 405 or ED 410.

II. Other Program Requirements

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
MA 201-202	Mathematics for Elementary Education
HPE 214	The School Health Program
PSY 227	Child Psychology
One semester of earth science (EAS 201 or AS 102). Lab is required.	
One semester of life sciences (BI 101 or BI 102). Lab is required.	
One semester of physical sciences (CH 111 or PHYS 103). Lab is required.	
A United States history course (see index for page number)	
A contemporary world culture course (see index for page number)	

Notes: 1. All degree students should review requirements for graduation as described in this catalog.

2. Highly recommended: CO 208 Creative Communications in Education

3. Courses in economics, anthropology, and American national government are highly recommended.

III. Acceptance Into Teacher Education Program

All students in programs that lead to teacher licensure (elementary or secondary education) should review requirements for acceptance into this program. See index for page number.

Secondary Education Requirements

To be licensed to teach in a secondary school in Montana, grades five through 12, a student must complete either a broadfield major or a major and a minor. Students interested in a broadfield major or a major and minor should contact not only individuals within the elected department, but must seek additional counsel from an advisor within the Department of Education: Health, Physical, and Teacher. They must be accepted into the teacher education program. See index for page number of the teacher education program.

I. Secondary Education Teaching Options

Carroll College offers the following secondary teaching options:

A. Broadfield Majors: 40 or more semester credits:

English Literature and Writing
History and Political Science
Mathematics
Social Studies

B. Secondary Education Majors: 30 or more semester credits:

Biology
Chemistry
Communication Studies*
English
History
Political Science
Spanish (K-12)
TESOL (K-12) *

C. Secondary Education Minors: 20 or more semester credits:

Biology
Chemistry
Communication Studies*
Computer Science
French (K-12)
History
Health and Physical Education (K-12)
Physics
Psychology*
Reading (K-12)
Spanish (K-12)
Special Education (K-12)

*Students pursuing a psychology or a communication studies endorsement may be required to student teach outside of the Helena area. Students pursuing a TESOL K-12 endorsement will be required to student teach outside of the Helena area.

Note: In addition to the teaching major and minor or broadfield major the student preparing for secondary education must complete professional course work. See the following pages for required courses.

II. Professional Education Requirements For Secondary Education

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
*ED 309	Teaching in the Secondary School
*ED 327	Content Area Reading/Language Arts
ED 405	Education Seminar
ED 408	Student Teaching in the Minor Area or
ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children

Appropriate content-area methods course for both major and the minor fields.

United States and contemporary world cultures course(s)–see below.

*Beginning 2008-2009, students pursuing 5-12 licensure will complete the two-credit course ED 205 Classroom Management. In addition, they will complete a four-credit course that merges the content of ED 309 Teaching in the Secondary School and ED 327 Content Area Reading/Language Arts.

The United States and Contemporary World Cultures Course Options.

Students pursuing teacher education must complete coursework focused on both United States history and contemporary world cultures. Students may fulfill this requirement through completing one of the following four options: 1) one course from category C (see below); 2) one course each from categories A and B; 3) one course each from categories A and C; 4) one course from categories B and C.

A. U.S. History:

HI 221-222	History of the United States
HI 323	20th Century American History
HI 421-422	American Diplomatic History
PO 216	American Political Thought

B. World Cultures:

AN/SO 204	Cultural Anthropology
AN/SO 317	Ethnic and Racial Relations
AT 165	Pop, Rock, and All That Jazz
CO 325	Intercultural Communication
EC 406	International Economics
FR/GM/SP	A modern foreign language
GEOG 202	World Regional Geography
LL 400	Theories and Methods of Learning and Teaching Language
PHIL 223	Oriental Philosophy
PHIL 304	Contemporary Philosophy
PO 206	Modern Political Ideologies
PO 250	Contemporary Issues in American Politics
PO 324	Western European Politics
PO 326	The Communist and Post-Communist World
PO 328	The Developing World
PO 342	War and Peace
PO 344	World Order and Interdependence
SO/AN 218	Introduction to Native American Studies
SO/AN 318	American Indians
TH 206	Comparative Religion
TH 333	Church and State in Latin America

C. U.S. History And World Cultures:	
HI 323	20th Century American History
HI 352	American/East Asian Relations
PO 115	International Relations

Major in History and Political Science for Secondary Education

Because this History and Political Science major includes two major areas of study, a minor is not required.

I. Major Program Requirements

Twenty-seven semester credits of history, including:

HI 101 History of Western Civilization

HI 102	History of Western Civilization
HI 221	History of United States
HI 222	History of United States
HI 231	Montana and the West
Or HI 424	History of the Trans-Mississippi West
Non-Western History course (e.g. HI 251, 271, 372)	
Upper-division History elective (i.e. course numbers between 301-499)	

HI 494	Historiography
HI 495	Research Seminar in History

Twenty-four semester credits of political science courses, including:	
PO 104	American National Government
PO 115	International Relations
PO 206	Modern Political Ideologies
PO 216	American Political Thought
PO 222	United States Foreign Policy
PO 230	Montana State Politics
PO 280	Introduction to Comparative Politics
PO 312	Elections, Political Parties, and Public Opinion

II. Professional Education Requirements for History and Political Science Major

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 309	Teaching in the Secondary School
ED 327	Content Area Reading/Language Arts
ED 344	Secondary Social Studies
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children

United States and contemporary world culture course(s) – see index for page number.

Notes: 1. All degree students should review requirements for graduation as described in this catalog.

III. Acceptance Into Teacher Education Program

All students in elementary or secondary education should review infor-

mation on the Teacher Education Program. See index for page number.

Middle School Area of Concentration

Students with secondary or elementary teaching majors desiring to teach at the middle school level (grades five through eight) should add this emphasis to their academic preparation. This emphasis prepares the prospective teacher for the unique nature of the middle school child and program.

In addition to the Professional Education Requirements for elementary or secondary education, the following course work is required of all students:

ED 350	Middle School Teaching
PSY 227	Child Psychology
and PSY 228 or PSY 105	Adolescent Psychology General Psychology
and PSY 203	Developmental Psychology

Students must also take appropriate elementary and secondary methods courses for the teaching major/minor (secondary students) or area of academic emphasis (elementary) and complete student teaching at the middle school level.

Elementary teaching majors also must take a minimum of 12 semester hours of course work in addition to their elementary major requirements in an area of academic emphasis. Academic areas of emphasis include mathematics, science, language arts (English), and social science. The area of academic emphasis must be mutually agreed to by the student and the academic advisor from the Department of Education: Health, Physical, and Teacher. Actual course work meeting the 12 semester hour requirement must be approved by the academic advisor from the Department of Education: Health, Physical, and Teacher.

Acceptance Into The Teacher Education Program

Admission to Carroll College does not automatically qualify a student for acceptance into the teacher education program. All individuals pursuing academic programs that lead to teacher licensure must, by the end of their sophomore year (before April 1), submit an admission application to the Department of Education: Health, Physical and Teacher. It is the student's responsibility to seek admission to the program.

Students must meet the following criteria:

1. Pre-Professional Skills Tests (PPST) minimum scores of 170 in reading, 170 in writing, and 170 in mathematics;
2. grade of "C" or better in CO 101, and
3. a minimum of 2.5 cumulative grade point average.

In addition, students will be assessed based on the following:

4. a written essay;
5. faculty recommendations;
6. interview;
7. background check/finger printing;
8. portfolio (See *Teacher Development Portfolio: Collect, Select, Reflect*), and
9. previous K-12 field experiences.

The candidate's status will be evaluated by the Department's admissions committee based on the above criteria. The student will be accepted into the program, accepted on a provisional basis, or denied acceptance. Those who are not directly accepted into the program will be informed of their deficiency and may be given further opportunity for acceptance following counseling and/or academic assistance. Students who have been accepted into the teacher education program, but have not been enrolled in Carroll College for one semester or more, must seek readmission into the program.

Transfer students at the junior level are accepted to the program conditionally for one semester. One month prior to the close of that semester, junior transfer students must submit an application for acceptance into the teacher education program. Transfer candidates will be reviewed in the same manner as sophomore students.

All candidates will be informed of their status no later than June 30 of the admission year.

Teacher Development Portfolio

All students majoring in Education at Carroll College are required to maintain a Teacher Development Portfolio. The purpose of this requirement is two-fold:

1. The portfolio you present to your instructors at various times in your program provides them with authentic assessment information about how well you are progressing toward specific program goals in your effort to become a teacher.
2. Creating the portfolio offers you a valuable learning experience by providing you with the opportunity to set personal educational goals, to evaluate your efforts toward these goals, and to see how your personal professional goals match the goals of Carroll's Teacher Education Program.

The Teacher Development Portfolio is a collection of materials assembled to demonstrate to others what you have done and/or are able to do. From years of experience and extensive research efforts, the Interstate New Teacher Assessment and Support Consortium (INTASC), the Montana Board of Public Education, the Carroll College Teacher Education Program faculty, and the Education Advisory Board has identified a set of teaching skills and abilities that prospective teachers must possess in order to be successful as beginning teachers. Your portfolio is a collection of documents (statements, letters, pictures, records, etc.) that document your acquisition of these abilities beyond the letter grade you have earned in a specific course. Students are introduced to the Teacher Development Portfolio and the specifics of the portfolio process in ED 102, Foundations of Education. Further details and requirements for the Teacher Development Portfolio are found in the booklet titled *Teacher Development Portfolio: Collect, Select, Reflect*.

Admission To The Student Teaching Program

Acceptance into the teacher education program at the end of the sophomore year does not automatically permit one to pursue student teaching as a senior student. However, students who have not been admitted to the teacher education program by March 15 of their junior year will not be considered for student teaching. All teaching candidates in K-8, K-12, and 5-12 programs must apply for admission to the student teaching program.

Students must meet the following criteria:

1. a minimum 2.5 grade point average and
2. all Professional Education Requirements and Other Program Requirements must be completed, with a grade of "C" or better.

In addition, students will be assessed based on the following:

3. application to student teaching;
4. recommendations;
5. portfolio, and
6. previous K-12 field experience.

Application must be made to the Department of Education: Health, Physical and Education no later than March 15 of the junior year. Failure to do so will cancel the student's opportunity to student teach during the fall and spring semesters of the following school year. It is the student's responsibility to seek admission to the student teaching program.

Student Teaching Placement

Candidates admitted to student teaching cannot be guaranteed a particular school district, building, or master teacher. The decision for placement is the responsibility of the Director of Student Teaching, department faculty, and school district personnel.

All placements will be sought in school districts of the Helena area. Placements in other communities or settings will be made when: (1) Helena area school districts cannot provide an appropriate placement, or (2) a placement in the Helena area will impose extreme hardship and prevent the student from completing the student teaching experience, and (3) the faculty members of the Department of Education judge that there is a very low probability that the student will require intervention of department faculty members during his/her student teaching experience. These students must seek approval from the faculty members within the Department of Education: Health, Physical, and Teacher by submitting a written request and providing appropriate documentation. If the student's request is approved, all costs for supervision that would exceed those incurred during a Helena placement must be borne by the student teaching candidate. This may include the salary of the college supervisor and all expenses associated with travel, lodging and meals.

Content Knowledge Requirement

In order to be recommended for a Montana teaching license, a student seeking a K-8 license must receive a score of at least "8" on the Content Knowledge Worksheet. This worksheet is based on three indicators of knowledge: 1) student's grade point average of 11 specified content area courses, 2) content knowledge as demonstrated during student teaching, and 3) the score obtained on the PRAXIS II Elementary Content Knowledge test. The Content Knowledge Worksheet may be obtained in 120 O'Connell Hall.

Students seeking a 5-12 license or a K-12 license without a K-8 license, may be required to demonstrate content knowledge by receiving a specific score on a PRAXIS II test.

Competency Requirement: All Education Options

In the event that supervisory personnel of the Department of Education: Health, Physical and Teacher decide to withdraw a student from student teaching or the internship program due to lack of growth toward competency in teaching, every effort will be made to provide alternative routes to graduation.

Education Advisory Board

In striving to provide quality education for Carroll College's elementary and secondary preservice and in-service teachers, the Department of Education: Health, Physical, and Teacher solicits input from people involved in the educational community. The Education Advisory Board is a group of recognized educational professionals and students who gather annually to discuss and document ideas. The Board consists of 36 members who represent diverse geographic areas and interest groups.

ENGINEERING (3-2)

Garry Fischer, M.S.
Mary E. Keeffe, Ph.D.
Terence J. Mullen, P.E.
John L. Scharf, Ph.D.
Anthony M. Szpilka, Ph.D.

Mission and Goals

Consonant with the mission of the College, this department is "dedicated to providing for its students the means for their full realization of a dual goal of vocation and enlightenment." Society requires competent professionals who can solve contemporary problems by using connections among disciplines, especially the humanities, engineering and technology, and the sciences. The

Programs within this Department are designed to blend the unique characteristics of Catholic liberal arts education with preparation for productive and rewarding professional careers. The four professional educational objectives of this department are to produce graduates who have:

- 1) The specialized knowledge and skills necessary for initiation into their chosen profession,
- 2) A broad range of skills necessary for effective communication,
- 3) An appreciation for the interrelationships among the branches of knowledge,
- 4) The ethical, social, and aesthetic perspectives necessary for values-based judgment and decision-making.

3-2 Engineering: Major in Mathematics

A student who completes the requirements for the 3-2 Engineering Major in Mathematics earns two degrees:

1. A Bachelor of Arts degree with a major in mathematics from Carroll College, and

2. A Bachelor of Science degree with a major in a selected field of engineering (e.g., mechanical engineering) from one of the following affiliated engineering schools:

Columbia University, New York, NY
The University of Notre Dame, South Bend, IN
The University of Southern California, Los Angeles, CA
The University of Minnesota, Minneapolis, MN
Gonzaga University, Spokane, WA
Montana Tech of the University of Montana, Butte, MT
Montana State University, Bozeman, MT

Engineering fields, which 3-2 students may select, include the following:

Aerospace Engineering
Engineering Mechanics
Chemical Engineering
Engineering Science
Civil Engineering
Geological Engineering
Computer Engineering
Geophysical Engineering
Electrical Engineering
Industrial Engineering
Environmental Engineering
Material Science Engineering
Mechanical Engineering
Metallurgical Engineering
Applied Biology
Mineral or Mining Engineering
Applied Chemistry
Nuclear Science and Engineering
Applied Geophysics
Operations Research
Biological Engineering
Petroleum Engineering

The purposes of the 3-2 program are to provide the student with a traditional engineering education augmented with a strong liberal arts background and to provide a broader and deeper exposure to mathematics and its applications than would ordinarily be possible in a four year engineering program.

Under the 3-2 program, a student attends Carroll College for three years and then selects and transfers to one of seven affiliated engineering schools for two years of study. Upon successful completion of the five-year program, the student receives a Bachelor of Arts degree with a major in mathemat-

ics from Carroll College and a Bachelor of Science degree with a selected engineering major from the engineering school.

Carroll College continually reviews its curriculum with the seven affiliated schools to ensure that 3-2 students can complete any of the engineering majors in the five-year program.

A program to prepare students for graduate studies in engineering is offered via the mathematics major with a cognate concentration in engineering.

A student in the 3-2 engineering program will be accepted at any one of the seven engineering schools on the written recommendation of the engineering program faculty. Before a student will be considered for a recommendation, at least a 2.60 cumulative grade average and a 2.60 average in the "Major Program Requirements" and in the "Other Program Requirements" must be achieved by the end of the fifth semester at Carroll College.

I. Major Program Requirements

ENGR 104	Engineering Graphics and CAD Applications
ENGR 201	Engineering Design Process
ENGR 302	Engineering Mechanics I: Statics
ENGR 308	Thermodynamics

Technical Electives: Four courses of three or four credits each, selected on the basis of the engineering field of interest and with approval of the engineering advisor. Technical electives must be selected as follows: one from Category I, two from Category II, and one from Category III. Technical electives include the following courses:

CH 301-302	Organic Chemistry I and II (Category I and III)
CS 110	Programming (Category I)
CS 330	Computer Networking I (Category III)
ENGR 303	Engineering Mechanics II: Solids (Category II)
ENGR 304	Engineering Mechanics III: Dynamics (Category III)
ENGR 305-306	Electronics and Circuit Analysis I and II (Category I and III)
ENGR 307	Fluid Mechanics (Category II)
ENGR 309	Geotechnical Engineering (Category II)
ENGR 310	Structures I (Category III)
ENGR 313	Hydrology (Category III)

II. Other Program Requirements

CH 101-102	General Chemistry I and II
EC 201 or 202	Principles of Economics (EC 202 preferred)
EC 203	Project Management Economics
ENWR 305	Technical Writing
MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 232	Differential Equations and Linear Algebra I
MA 233	Multivariable Calculus
MA 334	Differential Equations and Linear Algebra II
MA 336	Probability and Statistics I
MA 341	Probability and Statistics II
or MA 342	Numerical Computing and Visualization
PHYS 205-206	Engineering Physics I and II

III. Carroll College Core Curriculum

To earn a Bachelor of Arts degree from Carroll College a student must complete the Carroll College Core Curriculum as listed in this catalog. However, since these requirements must be completed within 3 years, a total of only nine credits of philosophy and theology instead of twelve, six credits of one and three credits of the other. In addition, a student must earn a grade of "C" or better in all of the courses listed under "Major Program Requirements" and "Other Program Requirements." A lesser grade in any of these courses must be replaced before the Bachelor of Arts degree will be granted. In addition, lesser

grades in any of these courses preclude taking subsequent courses for which the deficient courses are prerequisite.

IV. Additional Requirements

1. The requirements for the Bachelor of Arts degree with a major in mathematics under the 3-2 program differ from those for the four-year mathematics majors. Students in the 3-2 engineering major are not required to fulfill the requirements for the four-year mathematics major.
2. The requirements listed in sections I, II, and III above must be completed before transferring to an affiliated engineering school and cannot be satisfied by credits earned at the engineering school after the student has transferred.
3. Students transferring to Carroll College and entering the 3-2 program must complete at least two full-time semesters at Carroll College before they will be considered for a recommendation to transfer to an affiliated school. In addition, these students must complete a minimum of eighteen credits in the Department of Mathematics, Engineering and Computer Science at Carroll College. Credits transferred to Carroll do not satisfy this requirement.
4. A Student who transfers to a non-affiliated engineering school and completes an engineering degree in an ABET accredited program is eligible to receive the Bachelor of Arts degree with a major in mathematics from Carroll College. The Carroll degree is awarded provided that the student has completed all requirements for the degree listed in sections I, II, III, and IV.
5. Some engineering schools and/or departments require a grade point average higher than 2.60 for admission to junior and senior level courses. Some departments may also require the completion of a summer field or laboratory course for graduation in that department. In rare cases, additional course work may be required to satisfy a specialized engineering curriculum. These are requirements that apply to all students entering these programs and must also be satisfied by 3-2 students. Students in 3-2 engineering must consult with the director of engineering programs at Carroll College to select a school and field of study for which they qualify.

ENGLISH

Debra Bernardi, Ph.D.
Cheryl Conover, Ph.D.
John Murphy Fox, M.A.
Loren Graham, M.F.A.
Jeffrey B. Morris, Ph.D.
Kay A. Satre, Ph.D.

Mission and Goals

The English program is designed to provide students with the special knowledge, skills, and pedagogy needed to enter graduate or professional schools or to gain employment in their field. Consequently, students completing this major program are expected to have

- an understanding of the basic knowledge, concepts, and critical theories of the major field;
- the critical thinking skills needed for generating and analyzing both literary and expository texts;

- an ability to read, speak, and write in a second language;
- the writing and speaking skills needed to communicate effectively in the field;
- an understanding of cross-cultural issues.

The major program of study offer sound preparation for graduate study in literature, languages, or writing. In addition, it is possible for a student to design a program to prepare for studying law or for entering a career in journalism, public relations, public information, or communications. An option is available in the senior year to intern in the local community for practical experience under EN/FR/GK/GM/LA/SP 422 Career Internship.

Major in English Literature

I. Major Program Requirements

ENLE 200	Literary Studies
ENWR264	Introduction to Creative Writing
ENWR 498	Capstone Seminar

A. English Language Requirements

ENLE 333	Introduction to the English Language
ENLE 404	Literary Criticism

B. Foreign Language Requirements

Two years of foreign language study.

C. Literature Requirements

One course in four of the following five literary periods:

- Medieval: ENLT with middle number 0
- Renaissance: ENLT with middle number 2
- 18th Century: ENLT with middle number 4 or 5
- 19th Century: ENLT with middle number 6 or 7
- 20th Century: ENLT with middle number 8 or 9

One course in a single marginalized group:

ENLT ending in 0 or 1

Five English or Literature course electives:

Any additional ENLT, ENWR or ENLE courses or SP 301, 302, FR 301, 302 404, or GM 405

D. Overlapping Literature Requirements

Two British Literature Courses:

ENLT with middle number even

Two American Literature Courses:

ENLT with middle number 5, 7, or 9

Two World Literature courses:

ENLT with middle number 3 or the SP, FR, or GM courses listed above.

The same courses may count for both "Overlapping Literature Requirements" and for "Literature Requirements" (above).

E. Language and Criticism Requirement

1 Additional Course in English Language or Criticism:

Any ENLE in addition to those listed above under "English Language Requirements."

Minimum 48 credits, 16 courses, plus foreign language

The department strongly encourages majors to take one of their literature courses in a language other than English. English Literature Education majors must fulfill additional requirements for a minor certified by the Education Department, a well as professional requirements in Education.

Major in English Literature for Secondary Education

I. Major Program Requirements

ENLE 200	Literary Studies
ENWR264	Introduction to Creative Writing

ENWR 498 Capstone Seminar

A. English Language Requirements

ENLE 333	Introduction to the English Language
ENLE 321	Young Adult Literature
ENLE 476	Teaching English on the Secondary Level

B. Foreign Language Requirements

One year of foreign language study.

C. Literature Requirements

One course in *four of the following five* literary periods:

- Medieval: ENLT with middle number 0
- Renaissance: ENLT with middle number 2
- 18th Century: ENLT with middle number 4 or 5
- 19th Century: ENLT with middle number 6 or 7
- 20th Century: ENLT with middle number 8 or 9

1 Course in a Single Marginalized Group

ENLT ending in 0 or 1

2 English or Literature Course Electives#

Any additional ENLT, ENWR, or ENLE course or SP 301, 302, FR 301, 302, 404, or GM 405

D. Overlapping Literature Requirements

Two British Literature Courses:

ENLT with middle number even*

Two American Literature Courses:

ENLT with middle number 5, 7, or 9

Two World Literature courses:

ENLT with middle number 3 or the SP, FR, or GM courses listed above.

The same courses may count for both "Overlapping Literature Requirements" and for "Literature Requirements" (above).

E. Language and Criticism Requirement

One Additional Course in English Language or Criticism:

Any ENLE in addition to those listed above under "English Language Requirements."

Minimum 42 credits, 14 courses, plus foreign language and education courses

The department strongly encourages majors to take one of their literature courses in a language other than English. English Literature Education majors must fulfill additional requirements for a minor certified by the Education Department, a well as professional requirements in Education (see index).

Major in English Education - Broadfield

I. Major Program Requirements

ENLE 200	Literary Studies
ENWR264	Introduction to Creative Writing
ENWR 498	Capstone Seminar

A. English Language Requirements

ENLE 333	Introduction to the English Language
ENLE 321	Young Adult Literature
ENLE 476	Teaching English on the Secondary Level

B. Foreign Language Requirements

One year of foreign language study.

C. Literature Requirements

One course in four of the following five literary periods:

- Medieval: ENLT with middle number 0
- Renaissance: ENLT with middle number 2
- 18th Century: ENLT with middle number 4 or 5
- 19th Century: ENLT with middle number 6 or 7

20th Century: ENLT with middle number 8 or 9
One Course in a Single Marginalized Group
ENLT ending in 0 or 1
Two English or Literature Course Electives
Any additional ENLT, ENWR, or ENLE course or SP 301, 302, FR 301, 302, 404, or GM 405

D. Overlapping Literature Requirements

Two British Literature Courses:
ENLT with middle number even
Two American Literature Courses:
ENLT with middle number 5, 7, or 9
Two World Literature courses:
ENLT with middle number 3 or the SP, FR, or GM courses listed above.

The same courses may count for credit for both "Overlapping Literature Requirements" and for "Literature Requirements" (above).

E. Language and Writing Requirement

One Additional Course in English Language or Criticism:
Any ENLE in addition to those listed above under "English Language Requirements."
Three Additional Courses in Writing:
Any ENWR courses
Minimum 51 credits, 17 courses, plus foreign language and education courses

The department strongly encourages majors to take one of their literature courses in a language other than English.

Major in English Writing

I. Major Program Requirements

ENLE 200 Literary Studies
ENWR264 Introduction to Creative Writing
ENWR 498 Capstone Seminar

A. Foreign Language Requirements

Two years of foreign language study.

B. Writing Requirements

One Additional 200- or 300-level Writing Course:
ENWR 203, 305, 306, 337, or 347
One Additional 400-level Writing Course
ENWR 451, or 461
Three Writing Electives:
Any ENWR 300- or 400- level

C. Overlapping Writing Requirements

Two Creative Writing Courses:
ENWR 337, 347, or 461
Two Professional Writing Courses
ENWR 203, 305, or 306
The same courses may count for both "Overlapping Writing Requirements" and for "Writing Requirements" (above).

D. Language and Literature Requirement

Two Course in Literature Written before 1800:
ENLT 300-359 or 400-459
Two Courses in Literature Written since 1800:
ENLT 360-399 or 460-499
Two Literature Electives:
Any ENLT courses, SP 301, 302, FR 301, 302, 404, or GM 405
Two Courses in English Language and Criticism:
Any ENLE course

E. Literature Diversity Requirement

One Course in a Single Marginalized Group or in World Literature:
ENLT ending in 0 or 1 or with middle number 3 - or SP 301, 302, FR 301, 302, 404, or GM 405
The same course may count for credit for both "Literature Diversity Requirement" and for "Language and Literature Requirements" (above).
Minimum 48 credits, 16 courses, plus foreign language

The department strongly encourages majors to take one of their literature courses in a language other than English.

Minor in English

Program Requirements
Twenty-one semester credits of English beyond EN 102, including:
ENLE 200 Literary Studies
ENLE 341 Introduction to the English Language

Minor in English Writing

Program Requirements
Twenty-one credits of English writing beyond EN 102, including:
ENLE 200 Literary Studies
ENLE 341 Introduction to the English Language

Curriculum in English for the Associate of Arts Degree

Program Requirements

1. Eighteen semester credits of English beyond ENWR 102, including:
2. Twelve semester credits in literature courses;
3. Six semester credits in writing courses.

Curriculum in English Writing for the Associate of Arts Degree

Program Requirements

1. Eighteen semester credits of English beyond ENWR 102, including:
2. Twelve semester credits in writing courses;
3. Six semester credits in literature courses.

ENVIRONMENTAL STUDIES

(Interdepartmental)

John Murphy Fox, M.A.

D. Grant Hokit, Ph.D.

Mission

To prepare leaders with an enlightened understanding of our biosphere, with an appreciation for the relationship between humans and the environment, and with the skills needed for vocational opportunities in the fields of environmental policy and science.

Goals

1. Because an understanding of the biosphere requires scientific analysis of biological and physical processes, graduates will demonstrate:
 - a. An understanding of the basic principles of biology, chemistry and the earth sciences.
 - b. An ability to evaluate and interpret scientific data.
 - c. A working knowledge of fundamental laboratory techniques.
2. Because sustainable human activities require an integration of scientific, economic, and social information, graduates will demonstrate:
 - a. An understanding of basic political processes at the local, national and global levels.
 - b. An evolving knowledge of sustainable economic practices.
 - c. An ability to integrate and communicate science and social science data with integrity and reason.

- Because solutions to environmental challenges must incorporate human values and a deep respect for social equity, graduates will be able to articulate common rights and the dignity shared by all humanity.
- Because environmental challenges do not acknowledge political or cultural boundaries, graduates will be able to recognize the major physical and cultural gradients around the globe.
- Because the sustainability of biodiversity, natural resources, and environmental quality will ultimately depend on collaboration between all components of society, graduates will be able to describe local and global examples of cooperation leading to effective solutions.

Major in Environmental Studies with an Area of Concentration

I. Major Program Requirements

AN 218	Introduction to Native American Studies
BI 171-172	Biological Principles I and II
EAS 201	Earth Science
ENWR 337	Creative Writing Genres: Nature Writing
ES 495	Environmental Studies Seminar
ES 496	Internship
ES 498	Environmental Studies Research Paper/Project
MA 207	Elementary Statistics
PHIL 206	Environmental Ethics
PO 330	Topics in Political Theory: Environmental Thought
TH 255	Theology of the Land

II. Plus 1 of the following concentrations

A. Science

CH 101-102	General Chemistry
CH 301	Organic Chemistry
EAS 302	Advanced Earth Science
MA 121-122	Differential and Integral Calculus
PHYS 201-202	Physics I & II

And 1 of the following options:

Biology-	
BI 300	Genetics
BI 311	Ecology
Chemistry-	
CH 205	Quantitative Analysis
CH 302	Organic chemistry II
Engineering-	
ENGR 313	Hydrology
ENGR 402	Environmental Engineering

B. Community

CH 111	Essentials of Chemistry - General
CH 112	Essentials of Chemistry - Organic & Biochemistry
CO 206	Small Group Communication
CO 308	Communication Ethics
EC 201-202	Principles of Economics
PO 314	Public Administration and Politics
PAD 205	Introduction to Public Administration
SO 101	Introduction to Sociology

And 1 of the following options:

Communications-	
CO 280	Gender Communications
CO 360	Communications & Well-Being Policy and Management
BA 375	Fundamentals of Management
PO 306	Data Analysis for Public Policy

Sociology-	
SO 215	Contemporary Issues in Rural and Urban Sociology
SO 331	Social Science Research Methods

C. Culture

AN 318	American Indians
CO 325	Intercultural Communication
ENLT 411	Native American Authors
HI 231	Montana and the West
HI 424	History of the Trans-Mississippi West
PHIL 255	Philosophy of Art and Beauty
PHIL 252	Philosophy & History of Science
PO 250	Contemporary Issues in American Politics
TH 209	Christian Social Teachings

And 2 of the following:

ENLT 373	19th Century American Literature
ENLT 363	19th Century British Literature: The Romantics
ENLT 383	20th Century British Literature

Additional Culture requirement: Completion of a modern or classical second language through the intermediate level.

Notes: *1. Majors in the areas of concentration of "Science" and "Culture" who have not previously taken science courses are advised to take BI 101 in their first year, and BI 171-172 in their second year.

2. At least 15 additional credits must be taken in upper-level courses.

Minor in Environmental Studies

I. Minor Program Requirements

AN 218	Introduction to Native American Studies
BI 171-172	Biological Principles I and II
BI 311	Ecology
ENWR 337	Creative Writing Genres: Nature Writing
ES 495	Environmental Studies Seminar
PO 330	Topics in Political Theory: Environmental Thought
TH 255	Theology of the Land

ETHICS AND VALUES STUDIES

Barry J. Ferst, Ph.D.
Richard T. Lambert, Ph.D.
John Ries, M.A.
William Mark Smillie, Ph.D.

Mission and Goals

The major in Ethics and Values Studies acknowledges three goals for its program of study:

- Introduce students to the discussion of the ultimate truth and ultimate good;
- Bring students to an awareness of the role of ethics and values in many areas of personal and social endeavor; and,
- Move students toward ethical decision-making in all areas of social interaction.

Major in Ethics and Values Studies

Thirty-three credit hours, including the following:

PHIL 107	Ethics
PHIL 324	Ethical Theory
PHIL 496	Ethical Issues in Contemporary Media

Two of the following courses:

PHIL 206	Environmental Ethics
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PHIL 207	Business Ethics
PHIL 208	Bioethics
CO 308	Communication Ethics

Three of the following courses:

PHIL 151	Ancient Philosophy
PHIL 202	Medieval Philosophy
PHIL 303	Modern Philosophy
PHIL 304	Contemporary Philosophy

Three of the following courses, to be chosen from three different disciplines:

AN/SO 208	The Family
AN/SO 317	Ethnic and Racial Relations
CO 280	Gender Communications
PHIL 121	Philosophy of Human Being
PHIL 255	Art and Beauty
PHIL 256	Social and Political Philosophy
PO 206	Modern Political Ideologies
PO 250	Contemporary Issues in American Politics
SO 200	Social Problems
SO 215	Contemporary Issues in Rural and Urban Sociology
SO 351	Medical Sociology
TH 205	Moral Theology
TH 209	Christian Social Teachings
TH 220-229	Ethical Studies
TH 255	Theology of the Land

II. Other program requirements

1. Modern or classical language through the intermediate level
2. Successful completion of the department's comprehensive examination or successful completion of an honor's thesis with at least the director or one reader from the Philosophy Department.

Minor in Ethics and Values Studies

Minor Program Requirements	
Eighteen semester credits including:	
PHIL 107	Ethics
PHIL 324	Ethical Theory
PHIL 496	Ethical Issues in Contemporary Media

Two of the following courses:

PHIL 206	Environmental Ethics
PHIL 207	Business Ethics
PHIL 208	Bioethics
CO 308	Communication Ethics

One of the following courses:

AN/SO 208	The Family
AN/SO 218	Ethnic and Racial Relations
CO 280	Gender Communications
PHIL 121	Philosophy of Human Being
PHIL 255	Art and Beauty
PHIL 256	Social and Political Philosophy
PO 206	Modern Political Ideologies
PO 250	Contemporary Issues in American Politics
SO 200	Social Problems
SO 215	Contemporary Issues in Rural and Urban Sociology
SO 351	Medical Sociology
TH 205	Moral Theology
TH 209	Christian Social Teachings
TH 220-229	Ethical Studies
TH 255	Theology of the Land

FINE ARTS

Charles D. Driscoll, M.F.A.
 Ralph L. Esposito, M.F.A.
 Nancy Harper, B.A., Teaching Artist
 Michael McNeilly, B.F.A., Teaching Artist
 Sallyann Mulcahy, Artist in Residence
 Edward Noonan, A.B.
 Lynn L. Petersen, Ph.D.
 Robert D. Psurny Jr., D.M.A.

Mission and Goals

In the liberal arts tradition, the fine arts command an important position. Expanding the awareness and understanding of all the arts and enriching lives through aesthetic and creative experiences are the goals to which all areas in this department aspire.

Goals - Visual Arts

Art classes give students fundamental training in various media, an opportunity to participate and express themselves visually and a greater appreciation for visual art. Classes provide quality instruction that challenges students and simultaneously encourages success for those with little experience in art.

Goals - Dance

The goal of Dance classes is to provide the student with introductory courses in the art of dance. These courses help with the fundamentals of movement and body awareness, but also include the concepts of rhythm, relationship to music and composition.

Goals - Music

Our goal is to give students a greater appreciation for music as an art form and a vehicle for self-expression. We provide quality instruction that provides challenge but also takes into consideration the limited musical background of many of our students.

Goals - Theatre

Majors - Our goal is to provide learning outcomes that go far beyond technical skills or virtuosity. Theatre studies will give students the means to place their work in the context of history, culture and society while exploring the boundaries between appearance and reality. The key outcome is for the graduate to leave Carroll College equipped to inform his/her art with on going experience, and a holistic understanding of what it is to grow as artists and human beings.

Non-Majors - Our goal is to give students a greater appreciation for Theatre/Film as art forms and as vehicles for self-expression. We provide quality instruction that provides challenge but also welcomes students with limited performance backgrounds.

Major in Fine Arts: Theatre with an Area of Concentration

I. Major Program Requirements

Twenty-four semester credits:	
DNC 128	Dance I
THT 104	Theatre Practicum
THT 111	Introduction to Acting
THT 121	Stagecraft
THT 403-404	Theatre Projects
THT 318	History of Theatre I
THT 319	History of Theatre II
THT 426	Survey of Drama

Plus 1 of the following areas of concentration (18 credits):

A. Acting/Directing

THT 160	Acting/Improvisation
THT 212	Acting/Adv Methods
THT 311	Play Directing
DNC 328	Choreography

Plus 2 of the following courses:

DNC 129	Introduction to Basic Ballet
DNC 228	Partner Dancing
MUS 109	Musicianship I
MUS 119	Sight-Singing and Aural Skills
MUS 125	Voice I

B. Design/Stagecraft

THT 223	Costuming
THT 322	Scene Design
THT 323	Stage Lighting
THT 422	Advanced Design Practices

Plus 2 of the following courses:

THT 220	Scenic Art
THT 224	Stage Make-up
THT 321	Sound and Stage

II. Other Program Requirements

Twelve additional credits chosen from any Fine Arts courses, designated by ART, DNC, MUS, or THT.

Note: All degree students should review requirements for graduation as described in this catalog.

Minor in Fine Arts: Theatre

I. Minor Program Requirements

Twenty semester credits designated "THT" of which:

At least 6 credits must be upper-division, to be selected with the advice of theatre faculty and

At least 3 must be THT 104 Theatre Practicum.

Minor in Fine Arts: Arts Management and Administration

I. Minor Program Requirements

Twenty-four semester credits consisting of the following:

One course from any three of the four Fine Arts disciplines is required. The following courses are suggestions: (9 credits)

ART - ART 189	Intro to Art, ART 210 Art Appreciation
DNC - DNC 128	Dance I, DNC 228 Dance II
MUS - MUS 109	Musicianship I, MUS 119 Sight-Singing and Aural Skills, MUS 125 Voice I
THT - THT 118	Intro to Theatre, THT 111 Elements of Acting, THT 121 Stagecraft I

Plus the following courses in Arts Management: (6 credits):

THT 150	Fundamentals of Arts Management
ART 490	Art Internship (Holter/Bray)
or DNC 490	Dance Internship (Artisan Dance, Missouri River Dance Co.)
or MUS 490	Music Internship (Helena Symphony)
or THT 490	Theatre Internship (Myrna Loy/Grandstreet)

The following courses are required in Business Administration & Communications (9 credits):

BA 306	Marketing (3 credits) or BA 375 Fundamentals of Management (3 credits)
CO 215-216	Introduction to Public Relations: Theory & Practice (6 credits)

Minor in Fine Arts: Combined

Minor Program Requirements

Twenty-one semester credits, including:

I. Three courses chosen from the following:

ART 189*	Introduction to Art
or ART 210	Art Appreciation
DNC 128	Dance I: Elements of Dance
MUS 109	Musicianship I
or MUS 261	Music Appreciation
THT 118	Introduction to the Theatre
or THT 111	Elements of Acting

*Offered as a special topic, will be submitted for approval fall of 2007.

II. Twelve additional Fine Arts credits from at least two different disciplines (art, music, theatre, dance):

Note: No more than 6 credits of practicum or Applied Music can count towards minor. Credits for Pep Band do not count towards minor.

Recommended Core Course:

PHIL 255	Philosophy of Art and Beauty
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Credits earned for this minor will not count towards a separate Theatre minor. A minimum of 6 credits for this minor must be taken at Carroll College.

FRENCH

Nathalie Caulliez, M.A.

Mission and Goals

The French program is designed to provide students with the special knowledge, skills, and pedagogy needed to enter graduate or professional schools or to gain employment in their field. Consequently, students completing this major program are expected to have

- an understanding of the basic knowledge, concepts, and critical theories of the major field;
- the critical thinking skills needed for generating and analyzing both literary and expository texts;
- an ability to read, speak, and write in a second language;
- the writing and speaking skills needed to communicate effectively in the field;
- an understanding of cross-cultural issues.

The major program of study offer sound preparation for graduate study in literature, languages, or writing. In addition, it is possible for a student to design a program to prepare for studying law or for entering a career in journalism, public relations, public information, or communications. An option is available in the senior year to intern in the local community for practical experience under EN/FR/GK/GM/LA/SP 422 Career Internship.

Major in French

I. Major Program Requirements

Twenty-four semester credits of upper-division French courses beyond FR 204, including:

FR 303-304	French Grammar
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II. Other Program Requirements

1. Two upper-division French literature courses (FR 301, FR 302, FR 401, FR 402, FR 403, FR 404)
2. Successful participation in an approved program of study in a French-speaking country. French majors may choose to study abroad either:

- a.) One academic year and take 12 upper-division credits in residence at Carroll, or
 - b.) One semester or two summers and take 18 upper-division credits in residence at Carroll.
3. Students who are taking courses abroad must take corresponding examinations abroad in order to receive credits at Carroll. No credits will be accepted at Carroll for any examination with less than a "C" or a 2.00 grade in the course abroad. Credits will be accepted only for students returning to Carroll.
 4. Students are responsible for sending an original copy of their foreign transcripts, as well as a translation of it, directly to the Registrar's Office.

Note: A minimum of 12 credits of upper-division French courses must be taken in residence at Carroll.

Minor in French

In order to earn a minor in French, a student must successfully complete 12 semester credits of upper-division courses (beyond FR 204).

Minor in French Education (K-12)

I. Program Requirements

- FR 101-102 Elementary French I and II*
- FR 203-204 Intermediate French I and II*
- Nine upper-division credits in French in residence at Carroll, including:
 - FR 303-304 French Grammar
 - FR 305 French Phonetics
 - Two of the following French literature courses:
 - FR 301 Francophone Literature of the Maghreb
 - FR 302 French Literature through the 18th Century
 - FR 401 or 402 French Literature of the 19th and 20th Centuries
 - FR 403 Le Français en Action
 - FR 404 Le Conte Français

*See index for page number of Language Placement Guidelines.

II. Other Program Requirements

- LL 400 Theories and Methods of Learning and Teaching Language
- PSY 227 Child Psychology
- PSY 228 Adolescent Psychology

And successful participation in an approved program of study in a French speaking country for at least one summer session or semester.

II. Proficiency Exam

All French education (K-12) students are required to take the ACTFL oral proficiency exam in French during their senior year.

Note: To obtain teacher licensure (K-12) in French, students must major in either a secondary education area which leads to teacher licensure or in elementary education. See Department of Education: Health, Physical, and Teacher for more details.

HEALTH AND PHYSICAL EDUCATION

Lauri Fahlberg, Ed.D.
Gloria J. Lambertz, Ed.D.
Brian Coble, ATC/R, CSCS.

Mission

The Health and Physical Education program seeks to produce a well-rounded, entry-level professional, an aim expressed by Carroll's Mission

Statement as well as by its liberal arts focus. In addition to preparing students for the demands of future employment, the faculty members of the Health and Physical Education program strongly believe in the importance of promoting a healthy lifestyle which will assist each member of the Carroll community to meet the demands of everyday life.

Graduates of the Health and Physical Education program must understand learners/clients, be knowledgeable of programs, be well-founded in the methods of delivering programs designed to meet the unique needs of learners/clients, and be capable of evaluating the effectiveness of their professional programs.

A common model for most Health and Physical Education programs includes six dimensions of optimal well being (physical, emotional, mental, social, spiritual, and environmental). Within these six dimensions can be found the essence of the Carroll College Mission Statement, as well as that of the Health and Physical Education program. The Carroll College Mission Statement and the Carroll College goals and objectives guide and direct the development of the Health and Physical Education non-teaching major.

Goals and Objectives

The Department of Education: Health and Physical offers a non-teaching degree with a concentration in Community Health and/or Sport Management. It also provides coursework essential to the Teacher Education curriculum, other Carroll College programs, and the promotion of healthy lifestyles.

The Health and Physical Education program works toward the following goals and objectives:

Objective #1: To prepare Health and Physical Education graduates with theoretical knowledge and skills necessary for careers in health and physical education-related fields (e.g., recreation, physical fitness, athletic coaching, pedagogy, sport management, and community health). Student Outcomes: Students who graduate from Carroll College's Department of Education: Health, Physical, and Teacher with a non-teaching degree in Health and Physical Education will demonstrate the following skills:

1. organization and management;
2. program planning, implementation, and evaluation;
3. educational strategies;
4. instructional decision making;
5. problem-solving inquiry;
6. learner/client diagnosis;
7. media and technology resource;
8. effective peer group interaction;
9. managing stress;
10. subject matter comprehension;
11. knowledge and application of law and ethics;
12. knowledge of referral systems;
13. oral and written communication competence;
14. critical thinking;
15. meeting the needs of diverse populations;
16. application of foundation knowledge in human development, learning styles, self concepts, philosophy of health and physical education, and;
17. comprehension, analysis, and evaluation of professional information.

Objective #2: To ensure that the Health and Physical Education graduate is a well-rounded individual who demonstrates the ability to integrate his/her field with the concepts, theories, and methodologies of other disciplines. Student Outcomes: Upon graduation the student will demonstrate the ability to: obtain, evaluate, and use new information to make health-promoting

decisions; integrate and synthesize information from a variety of sources and disciplines; participate in multidisciplinary discussions of health and fitness.

Objective #3: To ensure that the Health and Physical Education graduate is conversant in the dimensions of optimal well being (physical, emotional, intellectual, social, spiritual, and environmental). Student Outcomes: Upon graduation the student will have documented his/her development and practice of attitudes, skills, and behaviors that enhance quality of life; development and practice of attitudes, skills, and behaviors that maximize personal and community potential; consistent participation in a personal wellness program; and study of the physical, emotional, intellectual, social, spiritual, and environmental aspects of health and well being.

Objective #4: To provide coursework for students seeking a certifiable teaching minor in Physical Education K-12. Student Outcomes: Students who successfully complete the Physical Education teaching minor will demonstrate the following abilities:

1. To identify, demonstrate, describe, and teach critical elements of motor skill performance in a variety of physical activities using skillful movement (e.g., fitness principle, game tactics, and skill improvement principles).
2. To describe and apply bioscience (anatomical, physiological, biomechanical) and psychological concepts to skillful movement, physical activity, and fitness.
3. To demonstrate knowledge and understanding of approved state and national content standards, current law including the Indian Education for All, and local program goals as related to health and physical education.
4. To identify, select, and implement appropriate learning/practice opportunities based on developmental needs and learning styles of students and apply that learning to produce a productive and safe learning environment inside and outside of the learning environment.
5. To develop and apply an effective classroom management plan and promote effective communication skills among students in physical activity settings.
6. To identify, develop, and implement appropriate program and instructional goals based on principles of effective instruction and goal planning.
7. To demonstrate knowledge and apply assessment techniques to assess student performance, provide feedback, and communicate student progress.
8. To design, develop, and implement student learning activities that integrate information technology, locate resources, and enhance continuing professional development.

Objective #5: To provide coursework necessary to meet specific teacher education requirements. Specific objectives for the Health and Physical Education required courses are included in each course syllabus.

Objective #6: To promote healthy lifestyles and enrich lifetime participation in activities of the general college population by providing a variety of physical activity courses. These courses include all of the HPE 101-102 Physical Activities courses, which emphasizes lifetime participation in a variety of individual, dual, and sport-related activities.

Major in Health and Physical Education (K-12)

I. Major Program Requirements

HPE 103	Foundations of Health & Physical Education
HPE 109	Techniques of Basic Skills in Physical Education
HPE 135	Introduction to Wellness
HPE 150	Responding to Emergencies
HPE 214	The School Health Program
HPE 216	Methods of Teaching Health
HPE 234	Sports Nutrition & Conditioning

HPE 301-302	Methods and Techniques of Teaching Fall/Spring Activities
HPE 314	Physical Education and the Elementary School Teacher
HPE 325	Applied Anatomical Kinesiology
HPE 413	Exercise Physiology & Human Performance Testing

II. Other Program Requirements

BI 102 Human Biology

III. Professional Education Program Requirements

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 309	Teaching in the Secondary School
ED 327	Content Area Reading/Language Arts
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
PSY 227	Child Psychology
and PSY 228	Adolescent Psychology
or PSY 105	General Psychology
and PSY 203	Developmental Psychology
SPED 300	Introduction to Exceptional Children

See page XXX for United States and contemporary world cultures courses.

This major is pending approval from the Montana Board of Public Education.

Note: All students are required to meet the quantitative and qualitative requirements for graduation from Carroll College as listed in this catalog.

Admission to the HPE Internship Program in Community Health and/or Sport Management

All Health and Physical Education majors must apply for admission to the internship program. Applicants must have a minimum 2.5 grade point average and a grade of "C" or better in HPE requirements and other program requirements. Applications must be submitted to the internship director no later than April 1 of the junior year. Failure to do so will cancel the student's opportunity to participate in an internship during the fall or spring semesters of the following school year. It is the student's responsibility to seek admission to the internship program. The student's eligibility will be considered by the Department of Education faculty upon receipt of the appropriate forms and 3 recommendations from Carroll College faculty and staff.

Major in Health and Physical Education with an Area of Concentration in either Community Health or Sport Management

I. Major Program Requirements

Thirty-two credits, including:

Two HPE 101 or 102 Physical Education Activities Courses (Must be different activities)

HPE 103	Foundations of Health & Physical Education
HPE 135	Introduction to Wellness
HPE 150	Responding to Emergencies
HPE 200	Field Experience in HPE
HPE 234	Sports Nutrition & Conditioning
HPE 325	Applied Anatomical Kinesiology

- HPE 365 Psychosocial Aspects of Exercise and Sport
- HPE 405 Senior Seminar
- HPE 410 Organization and Administration of Health & Physical Education Programs
- HPE 413 Exercise Physiology & Human Performance Testing
- HPE 415 Internship*

*Students with a double concentration will be required to complete a 9 credit internship. Students with a single concentration will be required to complete a 6 credit internship.

II. Other Program Requirements

- BI 102 Human Biology

Plus one of the following areas of concentration:

A. Community Health Concentration

- Twenty-four credits, including:
 - CO XXX Advanced Communication
 - HPE 214 The School Health Program
 - HPE 216 Methods of Teaching Health
 - HPE 330 Introduction to Community Health
 - MA 207 Elementary Statistics
 - PSY 105 General Psychology
 - or PSY 203 Developmental Psychology
- And 6 semester credits chosen with the advice of faculty in the HPE program.

Health and Physical Education Advisory Board

The Health and Physical Education Advisory Board is a body of recognized health professionals, sport professionals, and concerned students that meets from time to time to formulate recommendations for the HPE program. The input received from this board contributes to the development of curriculum and instructional methods offered to students majoring in Health and Physical Education with concentrations in Community Health and/or Sports Management.

Minor in Health & Physical Education (K-12)

I. Minor Program Requirements

- Thirty-one semester hours of physical education courses, including:
 - ED 408 Student Teaching in the Minor Area or ED 410 Student Teaching
 - HPE 103 Foundations of Physical & Health Education
 - HPE 109 Techniques of Basic Skills in Physical Education
 - HPE 150 Responding to Emergencies
 - HPE 216 Methods of Teaching Health
 - HPE 301-302 Methods and Techniques of Teaching
 - Fall/Spring Activities
 - HPE 314 Physical Education and the Elementary School Teacher
 - HPE 325 Applied Anatomical Kinesiology
 - HPE 413 Exercise Physiology and Human Performance Testing

II. Other Program Requirements

- BI 102 Human Biology

Notes: 1. To teach health and physical education K-12 in Montana with only a minor, a student must either major in elementary education or pursue a secondary education major, which leads to teaching licensure.

2. Students in any level of teacher education must be accepted into the education program by the Department of Education: Health, Physical, and Teacher. Please see index for page numbers for teacher education.

Health and Physical Education (HPE) Advisory Board

The Health and Physical Education Advisory Board is a body of recognized health professionals, sport professionals, and concerned students that meets

from time to time to formulate recommendations for the HPE program. The input received from this board contributes to the development of curriculum and instructional methods offered to students majoring in Health and Physical Education with concentrations in Community Health and/or Sport Management.

HISTORY

- Jeanette Fregulia, Ph.D.
- Gillian Glaes, Ph.D.
- Robert R. Swartout, Jr., Ph.D.

Mission

The mission of the Department of History at Carroll College is twofold. First, it is our responsibility to provide all Carroll students with an appreciation for history so that they may have a clearer understanding of the society—locally as well as globally—within which they live. Our second responsibility is to provide students with the appropriate knowledge and skills so that they may pursue professional careers in the field of history and history-related areas. This twin mission of the department is a direct outgrowth of the Carroll College Mission statement, which declares that the school “is dedicated to providing its students the means for their full realization of a dual goal of vocation and enlightenment.” Within the Department of History, faculty develop is viewed as an extension of both the college’s mission and the department’s mission.

Goals and Objectives

In its effort to provide Carroll students with an appreciation for history, and thus the society within which they live, the History Department offers a broad range of courses in Classical, Early and Modern European, American, East Asian, and Latin American history. The department purposely avoids offering narrowly focused courses that may be of benefit to a very select number of students. We firmly believe that more broadly based courses are of greater value to majors and non-majors alike, especially when those students are all undergraduates.

Those broadly based courses, including History of Western Civilization, History of Modern Europe, and History of the United States, also provide the foundation for students who wish to pursue professional careers in history and history-related fields. An examination of the course offerings in the department shows that we teach a significant number of upper-division courses that enable our students to obtain an increasingly sophisticated knowledge of history.

Major in History

I. Major Program Requirements

- Thirty-three semester credits of history, including:
 - HI 101-102 History of Western Civilization
 - HI 211-212 History of Modern Europe
 - HI 221-222 History of the United States
 - HI 494 Historiography
 - HI 495 Research Seminar in History

Note: At least 6 of the remaining 9 credits must be taken in courses at the 300-400 level.

II. Other Program Requirements

- Completion of a modern foreign or classical language through the intermediate level.

Note: All degree students should review requirements for graduation as described in this catalog.

Major in History for Secondary Education

I. Major Program Requirements

Thirty-six semester credits of history, including:
 HI 101-102 History of Western Civilization
 HI 211-212 History of Modern Europe
 HI 221-222 History of the United States
 HI 231 Montana and the West
 HI 251 Introduction to East Asia
 HI 494 Historiography
 HI 495 Research Seminar in History

And 6 semester credits of history courses at the 300-400 level.

II. Other Program Requirements

Completion of a modern foreign or classical language (Latin or Greek) through the intermediate level.

III. Professional Education Requirements

AN/SO 218 Introduction to Native American Studies
 CS 103 Instructional Media and Technology
 ED 102 Foundations of Education
 ED/PSY 229 Educational Psychology
 ED 245 Diversity Field Experience
 ED 327 Content Area Reading/Language Arts
 ED 309 Teaching in the Secondary School
 ED 344 Secondary Social Studies
 ED 405 Education Seminar
 ED 410 Student Teaching
 ED 412 Measurement & Assessment in Teaching
 HPE 214 The School Health Program
 PSY 228 Adolescent Psychology
 SPED 300 Introduction to Exceptional Children

United States and contemporary world cultures course(s)—see index for page number.

Note: Students interested in the secondary education option should also consult the social science program in the Department of Education: Health, Physical and Teacher section.

IV. Acceptance into the Teacher Education Program and Student Teaching Program

- A. Teacher Education Program: Individuals pursuing academic programs that lead to teacher licensure must seek admission to the teacher education program by the end of their sophomore year.
- B. Student Teaching Program: In the spring semester of the junior year all preservice teachers must seek admission to the student teaching program. See index for page numbers for the Teacher Education and Student Teaching Program.

Notes: 1. In order to be licensed to teach in a secondary school in Montana, a student is required to have a teaching minor as well as the teaching major in a subject field that is acceptable for licensure.

2. All degree students should review requirements for graduation as described in this catalog.

Minor in History

I. Minor Program Requirements

Twenty-one semester credits of history, including:
 HI 101-102 History of Western Civilization
 HI 211-212 History of Modern Europe
 HI 221-222 History of the United States

Minor in History for Secondary Education

I. Minor Program Requirements

Twenty-four semester credits of history, including:
 HI 101-102 History of Western Civilization

HI 211-212 History of Modern Europe
 HI 221-222 History of the United States
 HI 231 Montana and the West
 HI 251 Introduction to East Asia

II. Other Program Requirement

ED 344 Secondary Social Studies

Note: All history minors for secondary education must include course work in economics, anthropology, and sociology to fulfill the 9 credit social science Carroll College Core Curriculum.

HUMAN ANIMAL BONDING

Anne Perkins, Ph.D.

Mission & Goals

The Human-Animal Bonding Program explores the unique relationships between humans and animals and teaches animal training techniques for utilizing animals in service and therapy. Maximizing the benefits of human-animal bonding requires an in-depth knowledge of psychological foundations. This is where Carroll College's program stands out in the field of animal training. Students learn how physical disabilities, cognitive functioning, emotional states and family/community dynamics affect the bonding process.

Minor in Human-Animal Bonding

I. Minor Program Requirements

Twenty-three semester credits of human-animal bonding, including:

HAB 107 Intro. to Human-Animal Bonding
 HAB 108 Survey of Animals in Service
 PSY 307 Learning and Cognition
 HAB 441 Principles of Animal Behavior (*Pending Approval)

A. Canine Tract

HAB 312 Basic Canine Science and Training (*Pending Approval)
 HAB 313 Canine Assisted Therapy
 PSY 417 Practicum
 or PSY 418 Practicum

B. Equine Tract

HAB 331 Basic Equine Science and Training
 HAB 332 Equine Assisted Therapy
 PSY 417 Practicum
 or PSY 418 Practicum

INTERNATIONAL RELATIONS

(Interdepartmental)

Erik K. Pratt, Ph.D.

Mission & Goals

International Relations is an interdisciplinary major designed to provide students with the undergraduate training necessary to pursue careers in international business, government, law, teaching, and other related fields. This mission comports with Carroll's "dual goal of vocation and enlightenment." Moreover, as an interdisciplinary program, International Relations is particularly suited to achieve the college's objective of imparting to our graduates the interrelationships among branches of knowledge.

The primary goals and objectives of the program are to train generalists who have a sound foundation in technical skills (economics and foreign

languages) as well as in the theory and history of International Relations. Coupled with the six college-wide goals, these goals provide the foundation for the course requirements of the major.

Major in International Relations

I. Major Program Requirements

Thirty-three semester credits of international relations, including:

EC 406	International Economics
HI 422	American Diplomatic History
IR 495	Research Seminar in International Relations
PO 115	International Relations
PO 280	Introduction to Comparative Politics

And at least 6 semester credits from the following:

PO 324	Western European Politics
PO 328	The Developing World
PO 342	War and Peace
PO 348	International Negotiation Simulation

And the remainder to be chosen from the following:

AN/SO 204	Cultural Anthropology
BA 392	International Business
CO 325	Intercultural Communication
GEOG 202	World Regional Geography
HI 211	History of Modern Europe to 1870
HI 212	History of Modern Europe since 1870
HI 251	Introduction to East Asia
HI 312	History of Modern Britain
HI 314	History of Modern France
HI 316	History of Modern Germany
HI 317	The Weimar Republic: Nazi Dictatorship
HI 320	History of Modern Russia
HI 321	History of Iberia
HI 352	American-East Asian Relations
HI 372	History of Modern Mexico
HI 406	20 th Century Dictatorships in Europe
HI 411	The Holocaust
HI 421	American Diplomatic History
IR 486	Readings and Conference
IR 492	Internship in International Relations
IR 499	Honors Thesis
PHIL 223	Oriental Philosophy
PO 206	Modern Political Ideologies
PO 222	U. S. Foreign Policy
PO 244	World Order & Interdependence
PO 306	Data Analysis for Public Policy
SP 401-402	Spanish Culture and Literature
SP 403-404	Latin-American Culture and Literature
TH 206	Comparative Religions
TH 333	Church and State in Latin American

II. Other Program Requirements

EC 201-202 Principles of Economics

Completion of a modern second language through the intermediate level.

Note: All degree students should review requirements for graduation as described in this catalog.

Minor in International Relations

I. Minor Program Requirements

Twenty-one semester credits of international relations, including:

HI 422	American Diplomatic History
PO 115	International Relations
PO 280	Introduction to Comparative Politics

And the remainder to be chosen from the following:

AN/SO 204	Cultural Anthropology
BA 392	International Business
CO 325	Intercultural Communication
EC 406	International Economics
GEOG 202	World Regional Geography
HI 211	History of Modern Europe to 1870
HI 212	History of Modern Europe since 1870
HI 251	Introduction to East Asia
HI 312	History of Modern Britain
HI 314	History of Modern France
HI 316	History of Modern Germany
HI 317	The Weimar Republic: Nazi Dictatorship
HI 320	History of Modern Russia
HI 321	History of Iberia
HI 352	American-East Asian Relations
HI 372	History of Modern Mexico
HI 406	20 th Century Dictatorships in Europe
HI 411	The Holocaust
HI 421	American Diplomatic History
IR 486	Readings and Conference
IR 492	Internship in International Relations
IR 495	Research Seminar
IR 499	Honors Thesis
PHIL 223	Oriental Philosophy
PO 206	Modern Political Ideologies
PO 222	U. S. Foreign Policy
PO 244	World Order & Interdependence
PO 306	Data Analysis for Public Policy
PO 324	Western European Politics
PO 326	Communist & Post-Communist World
PO 328	Developing World
PO 342	War and Peace
PO 348	International Negotiation Simulation
SP 401-402	Spanish Culture and Literature
SP 403-404	Latin-American Culture and Literature
TH 206	Comparative Religions
TH 333	Church and State in Latin American

II. Other Program Requirement

Completion of a modern second language through the intermediate level.

LATIN AMERICA

Tomas L. Graman, Ph.D.

Eric K. Pratt, Ph.D.

Alexis J. Rincón, M.S.

Mission & Goals

The Latin American program will provide a rigorous study of 1) Latin American affairs, 2) the acquisition of Spanish, 3) completion of practical and theoretical projects pertinent to specific student and faculty interest and expertise, i.e., history, political science, Hispanic linguistics, Hispanic literature, economics, theology, biology, comparative literature, comparative education, anthropology or sociology. An objective of the MLAS minor is to provide its participants with a thorough perspective of the people, history conditions, and aspirations of this region of the world. The methods of evaluation applied to the various components of the program aim to foster a critical and transformative experience for the participants. Students and faculty will emerge from the MLAS minor with experience in the region, fluency in Spanish and a critical and informed perspective toward the multiple aspects of the Latin American societies.

I. Minor Program Requirements

Twenty-two semester credits, including:

MLAS 200	Gateway Course in Latin American Studies
MLAS 495	Capstone Seminar in Latin American Studies

Plus 18 additional credits from these two categories:

Concentration Courses (12 credits)

ENLT 410	Women's Literature: Latina/Chicana Writers
HI 271	History of Modern Latin America
HI 372	History of Modern Mexico
PO 348	International Negotiation: Argentina
SP 105-250-350	Intensive Spanish Immersion
ENWR 363	Literary Translation
SP 301-302	Hispanic Short Story I and II
TH 333	Church and State in Latin America

Allied Courses (6 credits)

AN/SO 318	American Indians
SA 275	Study Abroad: Belize
BI 101	Life Science
FR 301	Francophone Literature
GEOG 202	World Regional Geography
PO 280	Intro. to Comparative Politics
PO 328	The Developing World
AN/SO 204	Cultural Anthropology
AN/SO 317	Ethnic and Racial Relations
SP 304	Spanish Phonetics and Phonology
TH 210	Catholicism

II. Other Program Requirement

Completion of Spanish acquisition through the intermediate level.

LIBERAL ARTS STUDIES

Kay A. Satre, Ph.D.

MATHEMATICS

Kelly Cline, Ph.D.
Mary E. Keeffe, Ph.D.
Terence J. Mullen, P.E.
Jack E. Oberweiser, Jr., M.A.T.
Mark R. Parker, Ph.D.
Philip B. Rose, M.Sc.
John L. Scharf, Ph.D.
Anthony M. Szpilka, Ph.D.
James A. Trudnowski, Ed.D.
Holly Zullo, Ph.D.

Mission and Goals

Consonant with the mission of the College, this department is "dedicated to providing for its students the means for their full realization of a dual goal of vocation and enlightenment." Society requires competent professionals who can solve contemporary problems by using connections among disciplines, especially the humanities, engineering and technology, and the sciences. The Programs within this Department are designed to blend the unique characteristics of Catholic liberal arts education with preparation for productive and rewarding professional careers. The four professional educational objectives of this department are to produce graduates who have:

1) The specialized knowledge and skills necessary for initiation into

their chosen profession,

- 2) A broad range of skills necessary for effective communication,
- 3) An appreciation for the interrelationships among the branches of knowledge,
- 4) The ethical, social, and aesthetic perspectives necessary for values-based judgment and decision-making.

Major in Mathematics with a Cognate Concentration, Minor, or Second Major

The mathematics program has adopted the philosophy and goals of the department.

I. Major Program Requirements

MA 131	Calculus of Single Variable Functions or MA 121-122 Differential and Integral Calculus
MA 232	Differential Equations and Linear Algebra I
MA 233	Multivariable Calculus
MA 301	Foundations of Mathematics
MA 328	Modern Applications of Discrete Mathematics
MA 334	Differential Equations and Linear Algebra II
MA 336	Probability and Statistics I
MA 341	Probability and Statistics II
MA 342	Numerical Computing and Visualization
MA 366	Junior Seminar
MA 401	Abstract Algebra and Applied Geometry
MA 421	Optimization
MA 4xx	Honors Thesis/Senior Project (for a total of at least 3 credits)

II. Required Cognate Concentration, Minor, or Second Major

The course of study for a Bachelor of Arts degree with a major in mathematics requires selection of a cognate concentration, a minor, or a second major, approved by the student's faculty advisor and the chair of the mathematics department. Approved selections include Biology, Business and Economics, Chemistry, Computer Science, Engineering, and Environmental Science. In consultation with faculty advisors and the mathematics department chair, a student can develop a proposal for a cognate concentration, minor, or a second major other than those listed. Requirements for approved concentrations, minors, and second majors are as follows:

A. Concentration in Biology

A minor or a second major in biology.

B. Concentration in Business and Economics

BA 203-204	Principles of Accounting I and II
BA 313	Managerial Finance
BA 375	Fundamentals of Management
BA 409	Operations Research
EC 202	Principles of Economics II and
EC 201	Principles of Economics I
or EC 203	Project Management Economics
Plus 3 additional BA, CS, or EC credits at the 200 level or above approved by the mathematics department.	

C. Concentration in Chemistry

A minor or a second major in chemistry.

D. Concentration in Computer Science

A minor or a second major in computer science.

E. Concentration in Engineering

CH 101-102	General Chemistry
ENGR 104	Engineering Graphics and CAD
ENGR 302	Engineering Mechanics I: Statics
PHYS 205-206	Engineering Physics I and II

CS 110 Programming
Plus at least 12 additional semester-credit hours in engineering courses 300 or above.

F. Concentration in Environmental Science

BI 161-162 Introductory Biology
BI 211 Ecology
CH 111-112 Essentials of Chemistry
ENGR 313 Hydrology
ENGR 402 Environmental Engineering Principles
EAS 201 Earth Science
EAS 302 Advanced Earth Science

G. Concentration in Physics

A minor in physics.

III. Other Program Requirements

ENWR 305 Technical Writing
or ENWR 301 Business Writing (for the Business and Economics Concentration only)

To earn a Bachelor of Arts degree with a major in mathematics, a student must earn a grade of “C” or better in all of the courses listed under “Major Program Requirements,” “Required Cognate Concentration or Minor,” and “Other Program Requirements.” A lesser grade in any of these courses must be replaced before the Bachelor of Arts degree with a major in mathematics will be granted. In addition, lesser grades in any of these courses preclude taking subsequent courses for which the deficient courses are prerequisite.

Major in Mathematics for Secondary Education

I. Broadfield Major Program Requirements

MA 131 Calculus of Single Variable Functions
or MA 121-122 Differential and Integral Calculus
MA 232 Differential Equations and Linear Algebra I
MA 233 Multivariable Calculus
MA 301 Foundations of Mathematics
MA 328 Modern Applications of Discrete Mathematics
MA 334 Differential Equations and Linear Algebra II
MA 336 Probability and Statistics I
MA 341 Probability and Statistics II
MA 342 Numerical Computing and Visualization
MA 401 Abstract Algebra and Applied Geometry
MA 421 Optimization
MA 471 History Seminar in Mathematics
MA 4xx Honors Thesis/Senior Project (for a total of at least 3 credits)

II. Other Program Requirements

Two semesters of college science approved by the mathematics department.

ENWR xxx One English writing course above ENWR 102

III. Professional Education Requirements

AN/SO 218 Introduction to Native American Studies
ED 102 Foundations of Education
ED/PSY 229 Educational Psychology
ED 245 Diversity Field Experience
ED 309 Teaching in the Secondary School
ED 327 Content Area Reading/Language Arts
ED 405 Education Seminar
ED 410 Student Teaching
ED 412 Measurement & Assessment in Teaching
ED 418 Teaching Mathematics in the Secondary School
HPE 214 The School Health Program

PSY 228 Adolescent Psychology
SPED 300 Introduction to Exceptional Children
United States and contemporary world cultures course(s)
see index for page number.

IV. Acceptance into the Teacher Education Program and the Student Teaching Program

A. Teacher Education Program: Students pursuing academic programs that lead to teacher licensure must be accepted into the teacher education program by the end of their sophomore year.

B. Student Teaching Program: All preservice teachers must obtain admission to the student teaching program in the spring semester of their junior year. For details see index for page numbers for Teacher Education and Student Teaching Programs.

Note: All secondary education students must consult both with the Department of Education: Health, Physical and Teacher and the Department of Mathematics, Engineering, and Computer Science.

Minor in Mathematics

Minor Program Requirements

MA 131 Calculus of Single Variable Functions

or MA 121-122 Differential and Integral Calculus
MA 232 Calculus, Linear Algebra, and Differential Equations
MA 233 Multivariable Calculus
MA 334 Differential Equations and Linear Algebra
MA 336 Probability and Statistics I
Plus two more 3- or 4-credit mathematics courses at the 300 level or above approved by the mathematics program director.

NURSING

Maria Brosnan, R.N., M.S.N., A.P.R.N.
Kim Garrison, R.N., M.N.
Judith Gedrose, R.N., M.N.
Donna Greenwood, R.N., M.S.N.
Cynthia Gustafson, Ph.D., R.N.
Heather Onstad, R.N., M.S.N.
Jocelynn R. Waldron, R.N., M.N.
Joni Walton, Ph.D., A.P.R.N.

Mission

Inspired by the mission of our College, we are dedicated to preparing professional nurses who promote excellence in holistic care. As community leaders, they are critical thinkers, change agents, compassionate and skilled caregivers, as well as lifelong learners. Our graduates serve Montana, our region and the world.

Goals

The Department of Nursing prepares its graduates to enter into the practice of professional nursing with a framework of knowledge integrated from the sciences, arts and humanities. Emphasis is placed on the delivery of holistic nursing care which recognizes the dignity and uniqueness of every person. Completion of the major provides the foundation for life-long learning and graduate study in nursing.

The Faculty of the Department of Nursing seeks distinction in teaching, nursing scholarship and clinical expertise, for planning, directing and evaluating the curriculum.

Expected Outcomes

A graduate of the Department of Nursing will pass the NCLEX-RN licensure examination and enter into the profession of nursing with the following abilities:

1. Integrate knowledge from the sciences, arts and humanities into nursing practice.
2. Utilize the nursing process to deliver holistic human care to individuals, families, aggregates and communities.
3. Utilize knowledge and skill to practice independently and collaboratively with other disciplines in diverse settings.
4. Integrate moral, ethical and legal principles into nursing practice.
5. Demonstrate excellence in communication.
6. Utilize theory and research and evidence-based practice to optimize health and well-being.
7. Assume personal accountability for upholding the standards of nursing practice.
8. Influence changing social, political, economic and environmental factors that affect nursing and the health care system.
9. Assume responsibility for personal and professional development.

Major in Nursing

The nursing program at Carroll College offers a Bachelor of Arts degree with a major in nursing, preparing students to practice as professional nurses or for graduate studies in nursing. Upon graduation, students are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The nursing program is accredited by the Commission on Collegiate Nursing Education and is approved by the Montana State Board of Nursing.

Students may enter into courses prerequisite to nursing as a major program of study upon admission to the college, but need to be formally accepted to the nursing major for registration in nursing courses other than NU 101.

Admission to the Nursing Major

Applications for Admission to the nursing major are available from the Department of Nursing and are due May 20 each year for admission into the major the following Fall semester. Students will be notified by June 15 of their acceptance. Students seeking admission into the nursing major must meet the following criteria to be eligible to make application to the Department of Nursing:

1. Complete the following pre-requisites with a "C" or better at the time of application: BI 201, BI 202, CH 111, CO 101, ENWR 102, NU 101, PSY 105
2. Have an overall college career Grade Point Average of 2.75 or higher on a 4-point scale. (This includes all attempted credits at an accredited college or university.)
3. A student can repeat or withdraw from no more than 2 courses considered pre-requisite to nursing or nursing courses taken either at Carroll or other institutions.
4. Complete background check/finger printing.

The Department of Nursing reserves the right to accept for admission into the major the number of students for whom a quality educational program can be provided. If there are more applications than spaces available, the Department will use a priority ranking system based on the following criteria to select students for admission.

1. Those students whose post high school academic credits were completed at Carroll will have highest priority over students with any transfer credits.
2. Selected GPA for the following Carroll courses: BI 201, BI 202, CH 111, CO 101, ENWR 102, PSY 105. A course from another institution must be accepted at Carroll as an equivalent course to be calculated in this selected GPA.

3. Interviews by the Department of Nursing faculty.
4. Student essay administered by the Department of Nursing.

Progression in the Nursing Major:

To progress in the nursing major, the student must:

1. Have a grade of "C" or better in all nursing courses and the following co-requisites: BI 214, CH 112, MA 207, PHIL 107 or PHIL 208, SO 101, PSY 203.
2. Maintain a CUM Carroll GPA of 2.75 at the end of each semester after admission into the nursing major.
3. Pass/Fail grades may be acceptable for courses not co-requisite to nursing courses as long as the student is within the parameters of the guidelines of the Academic Policies as stated in the Carroll College Catalog currently in effect. Nursing courses, other than those designated by the Department, cannot be taken pass/fail.

If a student does not meet the above criteria, he or she is not eligible to continue in the nursing major. Students may petition the Department of Nursing for exceptions to the above criteria if there are extenuating circumstances.

Access to Clinical Experiences

Clinical experience begins in the 100-level nursing courses and occurs in diverse community settings, varying from Helena's hospitals to public health, assisted-living, long-term care, home-visits, and psychiatric and school settings. Each nursing course at Carroll provides quality, personalized learning experiences.

Students are expected to purchase uniforms, lab coats, name tags, and other items needed for clinical experience. Prior to beginning 200-level courses, nursing students must show proof of freedom from communicable tuberculosis and immunity to hepatitis B, poliomyelitis, varicella, rubeola, rubella and mumps. Students must also show proof of current CPR, including two-rescuer and use of masks and AED. Students must update TB test and CPR certification annually.

Professional nursing is regulated in Montana by the Board of Nursing to protect the health, safety, and welfare of the public. As part of their educational program, student nurses are entrusted with the responsibility of providing certain kinds of nursing care to clients/patients. It is the responsibility of the clinical instructor to determine that the student nurse has demonstrated reasonable competence to render nursing interventions without risk to the client/patient. If the clinical instructor's evaluation of the student nurse's behavior or health status indicates that he or she is likely to provide unsafe nursing care, the clinical instructor has the legal responsibility to deny the student nurse access to clinical learning experience. Professional liability insurance coverage is required for students engaged in clinical experiences and is included in registration fees

CCSNA

The Carroll College Student Nurses' Association is the college chapter for the state and national Student Nurses' Association. CCSNA brings students together to help further the growth of nursing, providing opportunities for education, experience, service and fellowship.

Sigma Theta Tau International (STTI)

STTI is the Honor Society of Nursing, whose vision is to create a global community of nurses who lead using scholarship, knowledge and technology to improve the health of the world's people. Nursing programs at Carroll College and the Montana State University College of Nursing form the STTI chapter for Montana, called Zeta Upsilon. Membership is by invitation to nursing students in the spring of their senior year who demonstrate excellence in scholarship, and to nurse leaders exhibiting exceptional achievements in nursing. An induction ceremony is held at either Carroll College

or MSU-Bozeman each spring.

Suggested Course Schedule

Freshman

Fall Semester

BI 201	Anatomy & Physiology + Lab	4
LAS 101	Alpha Seminar	3
PSY 105	General Psychology	3

Spring Semester

BI 202	Anatomy & Physiology + Lab	4
CH 111	Essentials of Chemistry + Lab	4
PSY 203	Developmental Psychology (or fall semester of sophomore year)	3

Required courses for Freshman Year, may be taken Fall or Spring:

NU 101	Intro Professional Nursing	2
ENWR 102	College Composition	4
CO 101	Basic Communication	3

Additional courses that may be taken Fall or Spring of Freshman Year:

PHIL 107	Ethics	3
SO 101	Intro to Sociology	3
TH 101	Theological Foundations	3

Sophomore

Fall Semester

CH 112	Organic and Biochemistry	3
TH 101	Theological Foundations	3
NU 201	Fundamentals & Health Promotion +Lab	4
NU 202	Assessment & Health Promotion + Lab	4

Spring Semester

BI 214	Microbiology	4
NU 301	Care of the Family	4
or NU 302	Psychosocial Health	4
NU 208	Nutrition	3
*CORE		3

Additional required courses, may be taken either Fall or Spring:

PHIL 107	Ethics	3
or PHIL 208	Bioethics	3
SO 101	Intro to Soc	3

Junior

Fall Semester

NU 301	Care of the Family	4
or NU302	Psychosocial Health	4
NU 308	Pathophysiology & Pharmacology	3
MA 207	Statistics	3
*CORE		3
*CORE		3

Spring Semester

NU 304	Illness Across the Lifespan I	4
NU 305	Clinical Nursing Care I	4
NU 307	Nursing Research	3
*CORE		3
*CORE		3

Senior

NU 404	Illness Across the Lifespan II	4
NU 413	Clinical Nursing Care II	3
*NU 406	Nursing Management (WI)	4
NU 414	Community Health Nursing (ND)	4
NU 417	Capstone Clinical	4
NU 420	Prof Role: Leader	3
NU 430	Cardiac Nursing (elective)	1
*CORE		3

Total Credits=122

+ CORE – One course needed in each of the following areas: Fine Arts, History, Literature, Philosophy (in addition to PHIL 107), and Theology (in addition to TH 101). Of these courses, will need one course designated as Global Diversity and one course designated as Writing Intensive outside the nursing major.

WI -Writing Course for the major

ND - Satisfies National Diversity

(Students will need to purchase lab coat, scrubs, nametag and stethoscope in NU 101/201/202)

PHILOSOPHY

Barry J. Ferst, Ph.D.

Richard T. Lambert, Ph.D.

Elvira Roncalli, Ph.D.

William Mark Smillie, Ph.D.

Mission

The Department of Philosophy offers a selection of courses that provide the intellectual tools for discussing and pursuing the ultimate truth and ultimate good, the core mission of Catholic liberal arts college education.

Goals

The major in Philosophy acknowledges three goals for its program of study:

1. Introduce students to the discussion of the ultimate truth and ultimate good;
2. Familiarize students with major philosophical issues and thinkers; and,
3. Prepare majors, minors and others for graduate study in such professional fields as philosophy, theology, and law.

Major in Philosophy

I. Minor Program Requirements

Thirty-three semester credits of philosophy, including the following:

PHIL 113	Formal Logic
PHIL 151	Ancient Philosophy
PHIL 202	Medieval Philosophy
PHIL 303	Modern Philosophy
PHIL 304	Contemporary Philosophy
PHIL 310	Metaphysics
PHIL 313	Epistemology
PHIL 324	Ethical Theory
PHIL 495	Philosophy Seminar

II. Other Program Requirements

- 1.A modern or classical second language through intermediate level.
- 2.A comprehensive examination at the end of the student's senior year.
The philosophy examination consists of written answers to questions selected from a previously disclosed list and later oral discussion of the written answers. Students who are writing an honors thesis are exempt from the comprehensive examination.

Note: All degree students should review requirements for graduation as described in this catalog.

Minor in Philosophy

Minor Program Requirements

Eighteen semester credits of philosophy, including:

PHIL 495 Philosophy Seminar

and at least one course from among the following:

PHIL 310 Metaphysics

PHIL 313 Epistemology

PHIL 324 Ethical Theory

PHYSICS

Kelly Cline, Ph.D.

Mary E. Keeffe, Ph.D.

Terence J. Mullen, P.E.

Anthony M. Szpilka, Ph.D.

Mission and Goals

The chemistry major program is designed to provide students with the knowledge and skills needed to enter graduate or professional school or to gain employment in their field. Students completing the major program in chemistry are expected to have

- an understanding of the basic principles and concepts of the major field;
- the critical thinking skills needed for solving problems in the field;
- the abilities to evaluate and interpret data and to analyze and synthesize information from different sources;
- a working knowledge of fundamental laboratory techniques and the ability to use them to perform experiments in the field;
- the writing and speaking skills needed to communicate effectively in the field.

Minor in Physics

I. Minor Program Requirements

PHYS 205 Engineering Physics I: Mechanics

PHYS 206 Engineering Physics II: Electricity and Magnetism

PHYS 322 Modern Physics

PHYS 322L Mathematical Methods of Modern Physics

PHYS 323 Optics and Electromagnetic Radiation

PHYS/ENGR 305 Electronics and Circuit Analysis I

One additional course from the following list:

ENGR 302 Engineering Mechanics I: Statics

PHYS/ENGR 306 Electronics and Circuit Analysis II

PHYS/ENGR 308 Thermodynamics

II. Math Prerequisites

MA 121 and 122 Differential and Integral Calculus

or MA 131 Calculus of Single Variable Functions

MA 233 Multivariable Calculus

III. Recommended Course

MA 232 Differential Equations and Linear Algebra I

Minor in Physics for Secondary Education

Pending approval of the Montana Board of Public Education

I. Minor Program Requirements

PHYS 205 Engineering Physics I: Mechanics

PHYS 206 Engineering Physics II: Electricity and Magnetism,
Optics

PHYS 321 Geometrical Optics

PHYS 322 Modern Physics

PHYS/ENGR 305 Electronics and Circuit Analysis I

II. Other Program Requirements

PHIL 252 Philosophy and History of Science

ED 346 Teaching Science in the Secondary School

MA 207 Elementary Statistics

Two courses chosen from Astronomy, Chemistry, or Earth Science

III. Math Prerequisites

MA 121 and 122 Differential and Integral Calculus

IV. Recommended Course

ENGR 302 Engineering Mechanics I: Statics

POLITICAL SCIENCE

Erik K. Pratt, Ph.D.

Dennis E. Wiedmann, M.A.

Goals

1. Challenging our students to express ideas clearly and coherently.
2. Engaging our students in problem solving and analysis of policy options.
3. Introducing students to empirical methods of inquiry.
4. Learning to analyze research studies in a critical fashion.
5. Preparing students for graduate work and professional careers.

Major in Political Science

I. Major Program Requirements

Thirty-three semester credits of political science courses, including:

PO 104 American National Government

PO 115 International Relations

PO 206 Modern Political Ideologies

PO 280 Introduction to Comparative Politics

PO 495 Senior Seminar

II. Other Program Requirements

A. Program Options—Depending on their background and field of interest, political science majors may choose one of the following 2 options to fulfill their skills requirement for the Department:

Option I: Two semesters of a modern foreign language. Those with previous language training are urged to begin at the appropriate level to fulfill the two-course requirement.

Option II: MA 207 Elementary Statistics and PO 306 Data Analysis for Public Policy. Both courses assume a basic knowledge of algebra.

B. Writing Competency For Majors And Minors

The Political Science department expects its graduates to be able to write well. In this regard all majors and minors are required to take EN 227 or another advanced writing course with the approval of the department.

Major in Political Science for Secondary Education

I. Major Program Requirements

Thirty semester credits of political science courses, including:

PO 104 American National Government

PO 115 International Relations

PO 206 Modern Political Ideologies

PO 216 American Political Thought

PO 230 Montana State Politics

PO 280 Introduction to Comparative Politics

- PO 312 Elections, Political Parties, and Public Opinion
 PO 319 Urban Politics

II. Other Program Requirements

- MA 207 Elementary Statistics

III. Program Recommendations

- PO 222 United States Foreign Policy

IV. Professional Education Requirements

- AN/SO 218 Introduction to Native American Studies
 CS 103 Instructional Media and Technology
 ED 102 Foundations of Education
 ED/PSY 229 Educational Psychology
 ED 245 Diversity Field Experience
 ED 309 Teaching in the Secondary School
 ED 327 Content Area Reading/Language Arts
 ED 344 Secondary Social Studies
 ED 405 Education Seminar
 ED 410 Student Teaching
 ED 412 Measurement and Assessment in Teaching
 HPE214 The School Health Program
 PSY 228 Adolescent Psychology
 SPED 300 Introduction to Exceptional Children
 United States and contemporary world cultures course—see index for page number

Note: Secondary education students with this major must have a teaching minor. Please see “Department of Education: Health, Physical and Teacher” for details.

V. Acceptance into the Teacher Education Program and Student Teaching Program

- A. Teacher Education Program: Individuals pursuing academic programs that lead to teacher licensure must seek admission to the teacher education program by the end of their sophomore year.
 B. Student Teaching Program: In the spring semester of the junior year, all preservice teachers must seek admission to the student teaching program. For details see index for page numbers for Teacher Education and Student Teaching programs.

Note: All students are required to meet the requirements for graduation from Carroll College as listed in this catalog.

Minor in Political Science

I. Minor Program Requirements

Twenty-one semester credits of political science courses, including:

- PO 104 American National Government
 PO 115 International Relations
 PO 206 Modern Political Ideologies
 PO 230 Montana State Politics
 PO 280 Introduction to Comparative Politics
 PO 495 Senior Seminar

II. Other program requirements

The Political Science department expects its graduates to be able to write well. In this regard all majors and minors are required to take EN 227 or another advanced writing course with the approval of the department.

PSYCHOLOGY

Brad Elison, Ed.D.
 Thomas W. Hamilton, M.S.
 Joy Holloway, Ph.D.
 Anne Perkins, Ph.D.

Mission and Goals

The Psychology Department is designed to prepare students for entry into professional degree programs or employment in applied professional programs that offer human services. Students who successfully complete the degree in psychology are expected to have:

- An understanding of the theories, principles, methods, and applications that define the discipline of psychology.
- The critical and analytical thinking skills needed to solve problems that are germane to the human condition.
- Research skills that include formulating hypotheses, selecting appropriate research designs for the questions asked, using and interpreting data analyses for descriptive and inferential research.
- Communication skills using APA writing style and oral communication in group settings.
- A passion for improving the human condition using a holistic biopsychosocial perspective.

Major in Psychology

I. Major Program Requirements

Thirty-four semester credits of psychology courses:

- PSY 105 General Psychology
 PSY 203 Developmental Psychology
 or PSY 227 Child Psychology
 and PSY 228 Adolescent Psychology
 PSY 216 Social Psychology
 PSY 222 History and Systems in Psychology
 PSY 304 Theories and Research in Counseling Psychology
 PSY 305 Junior Seminar
 PSY 306 Abnormal Psychology
 PSY 307 Learning and Cognition
 PSY 309 Research Methods I
 PSY 310 Research Methods II
 PSY 414 Physiological Psychology

One of the following:

- PSY 417 Practicum
 PSY 418 Practicum
 PSY 425 Psychology Internship
 PSY 486 Readings, Research or Teaching
 PSY 499 Honors Thesis

II. Other Program Requirements

- BI 102 Human Biology
 MA 207 Elementary Statistics

Comprehensive Field Test in Psychology: Students are required to take the Comprehensive Field Test in Psychology during the Fall Semester of their Senior Year at a time and place designated by the department. Some graduate schools will require the GRE test in addition to this field test.

III. Program Recommendations

- CS 101 Survey of Computer Science

Note: All degree students should review requirements for graduation as described in this catalog.

Minor in Psychology

Minor Program Requirements

Twenty-one semester credits of psychology courses chosen with the advice of faculty in the Psychology Department.

Minor in Psychology for Secondary Education

I. Minor Program Requirements

Eighteen semester credits of psychology courses, including:

PSY 105	General Psychology
PSY 216	Social Psychology
PSY 228	Adolescent Psychology
PSY 306	Abnormal Psychology
PSY 309	Research Methods I

II. Other Program Requirements

PSY/ED 229	Educational Psychology
ED 344	Secondary Social Studies

Note: Read "Acceptance into Teacher Education Program," see index for page number.

PUBLIC ADMINISTRATION

Bethalee J. Wilson, M.B.A.

Mission and Goals

The Department of Business, Accounting, and Economics offers Bachelor of Arts degrees in Accounting, Public Administration, or Business Administration. Students selecting majors in Business Administration must choose a concentration in Economics, Finance, International Business or Management. Minors are available in Accounting, Economics, Business or Public Administration and an Associate of Arts Degree is offered in Business Administration. Students may combine majors, minors and emphases.

Consistent with Carroll Colleges, dual goals of vocation and enlightenment, the Department of Business, Accounting, and Economics also serves a dual mission. Students are provided a common body of knowledge necessary for entry into a business-related career. At the same time, the curriculum ensures that students receive a well-rounded liberal arts education. Value oriented discussions, including ethical dilemmas encountered in global business, are included in the curriculum.

The Public Administration major, which is a joint effort between the Business, Accounting and Economics Department and the Political Science Department, provides relevant courses in business and political science to prepare students for administrative careers in local, state and federal governments. In addition, students are prepared to pursue graduate work in public administration.

The Business Administration major prepares students for careers in marketing, finance, management or economics. Students completing the Accounting major are prepared for professional certification exams. They are also provided with skills necessary to perform in an accounting related career. Through the liberal arts education, students develop valuable communication and reasoning skills. Both the Business Administration major and the Accounting major are designed and evaluated to ensure students are prepared for entry directly into the workforce or for acceptance into graduate school.

Goals for Majors in the Department of Business Administration, Accounting and Economics

A successful graduate of the department will be able to:

- Use data and statistics in order to understand and analyze relevant problems
- Understand and analyze financial statements of economic entities
- Read and understand publications covering topics discussed in the various majors in the department
- Organize and present ideas and information orally in small group settings
- Design and carry out independent and collaborative projects

• Use contemporary information technology effectively including the library, the internet and computer software

• Write essays and short papers in a clear and concise fashion with emphasis on content, style and analytical ability

• Understand and explain important issues encountered in economic entities with particular emphasis on ethical and global implications.

Major In Public Administration

Public administration is a program that combines relevant courses in business and political science designed to provide students with the undergraduate training necessary to pursue administrative careers in local, state, and federal governments.

I. Major Program Requirements

Thirty-nine semester credits, including:

BA 203-204	Principles of Accounting I and II
BA 310	Governmental and Not-for-Profit Accounting
EC 201-202	Principles of Economics I and II
PAD 205	Introduction to Public Administration
PO 104	American National Government
PO 250	Contemporary Issues in American Politics
PO 306	Data Analysis for Public Policy
PO 314	Public Administration and Policy
And 3 courses from the following:	
BA 408	Human Resource Management
BA 409	Operations Research
PAD 412	Administrative Internship
PO 230	Montana State Politics
PO 319	Urban Politics

II. Other Program Requirements

CS 213	Computer Applications in Business
or BA 365	Advanced Spreadsheet Applications

Note: All degree students should review requirements for graduation as described in this catalog.

Minor in Public Administration

Minor Program Requirements

Twenty-one semester credits, including:

BA 310	Governmental and Not-for-Profit Accounting
EC 201-202	Principles of Economics I and II
PAD 205	Introduction to Public Administration
PO 104	American National Government
PO 250	Contemporary Issues in American Politics
PO 306	Data Analysis for Public Policy

PUBLIC RELATIONS

Julie Benson-Rosston, M.A.
Charlotte M. Jones, Ph.D.
Doreen Kutufam, Ph.D.
Brent Northup, M.A.

Mission and Goals

The mission of the Communication Department mirrors the mission of the college: by seeking the "full realization of the dual goals of vocation and enlightenment."

The communication department has developed both educational/vocational goals and holistic goals for the enlightenment of our students.

The educational/vocational goals of the Communication Department:

- 1) to teach students to communicate effectively
- 2) to prepare students for a career in a business or another communication-related field
- 3) to prepare students for possible graduate study in communication or a related field
- 4) to prepare students for a possible career in public relations
- 5) to prepare students for a possible career in journalism
- 6) to prepare students for a possible career as a secondary education teacher of communication, speech or forensics
- 7) to train students to succeed in intercollegiate forensics competition

The holistic goals of the Communication Department:

- 1) to advise students comprehensively, including the development of a four-year plan leading to a major or minor and the development of a general career lifeplan
- 2) to illuminate students on the need to use communication constructively and unselfishly, to serve others and to promote peace on all levels - interpersonal, societal and global
- 3) to illuminate students on the moral foundations of communication, which include the need to treat every person with reverence
- 4) to illuminate students on the need for intercultural understanding in order to treat people of all backgrounds with tolerance and respect and
- 5) to teach practical communication skills - such as conflict management skills and relationship-building skills - which can enhance the personal life of students for a lifetime

Major in Public Relations with an Area of Concentration

I. Major Program Requirements

Thirty three semester credits of interdepartmental studies, including:

- CO 101 Basic Communication
- CO 206 Small Group Communication
- CO 215 Introduction to Public Relations: Theory
- CO 216 Introduction to Public Relations: Practice
- CO 225 Professional Communication
- CO 308 Communication Ethics
- CO 310 Mass Media
- CO 340 Interpersonal Communication Theory
- CO/ENWR 306 Writing for the Media
- CO 395 Research Methods
- CO 425 Career Internship
- CO 495 Senior Practicum: The Graceful Exit

Plus one or both of the following areas of concentration (15 credits):

A. Marketing

- BA 306 Marketing
- BA 375 Fundamentals of Management
- CO 320 Organizational Communication

Plus 2 of the following:

- BA 401 International Marketing
- BA 322 Consumer Behavior
- BA 320 Market Research
- BA 326 New Product Development
- BA 324 Marketing Communications and Promotions

B. Journalism

- ART 114 Photography I
- CO 108 Desktop Publishing
- CS 213 Computer Applications in Business

- or CS 201 Web Graphics, Animation, and Layout
- ENWR 305 Technical Writing
- CO 426-427 Prospector Internship (two semesters, totaling three credits)

The Department of Communications Studies will administer a two-part comprehensive exam at the end of each student's senior year. The first part, an oral presentation, is required by all students. The second part, the comprehensive on all communications coursework is not required of students who complete CO 499, Honors Thesis.

Minor in Public Relations

Minor Program Requirements

- BA 306 Marketing
- CO 101 Basic Communication
- CO 108 Desktop Publishing
- CO 206 Small Group Communication
- CO 215 Introduction to Public Relations: Theory
- CO 216 Introduction to Public Relations: Practice
- CO 308 Communication Ethics
- CO 310 Mass Media
- CO 425 Career Internship
- CO 426-427 Prospector Internship
- CO/ENWR 306 Writing for the Media

READING

Lynette Z. Zuroff, Ed.D.

Mission

The teacher education unit's mission is to prepare students for lifelong learning, developing future educators' intellect, imagination, self-confidence, and motivation, while preparing them for the teaching profession. Students investigate, reflect, analyze, and judge reality and truth through inquiry and discussion. Committed to educating each student as a total human being, the teacher education unit helps students to receive, respond to, organize, and characterize values. Specifically, students develop values about teaching, society, health behaviors, moral issues, education, and political influences. We ask our students to think boldly about the opportunities and responsibilities presented to us by a rapidly changing world. Students within the department are encouraged to live Carroll College's mission by participating in community service and by interacting with children and adults from diverse cultural, religious, economic, and intellectual backgrounds.

The teacher education unit advances this mission as it works within the conceptual framework of Carroll College's teacher education unit. That framework is built upon a liberal arts education, structured by traditional educational philosophies, and embraced by an atmosphere of dignity, which values justice of all persons. Access the complete Teacher Education Conceptual Framework and the current Title II pass rates from Carroll College's Education Homepage.

Goals and Objectives

The goal of Carroll College's teacher education program is to assist students in developing teaching competencies in their chosen fields and help them become educational leaders capable of responding to their students' individual needs. Teacher education graduates will demonstrate competence in the 10 INTASC standards, as well as an additional Montana standard. The following dispositions, skills, and knowledge are to be viewed in conjunction with specific goals and objectives established for the college and for each required professional education course.

DISPOSITIONS

1. Demonstrate an attitude of professionalism through
 - a. his/her behavior as a role model to students;
 - b. continuing self-development;
 - c. ethical behavior;
 - d. peer support;
 - e. contributions to the growth of the profession.
2. Maintain healthy student/teacher relationships.
3. Exhibit continued enthusiasm for teaching profession.
4. Have appropriate relationships with administrators, teachers, support personnel, parents, and other community members.
5. Be encouraged to participate in community service.
6. Project a positive self-image.
7. Appreciate the whole person by recognizing the uniqueness of each individual student.

SKILLS

1. Classroom management and coping
2. Classroom motivation and interaction
3. Planning and lesson design
4. Teaching strategies
5. Instructional decision making
6. Problem-solving inquiry
7. Student diagnosis
8. Media and technology resource
9. Effective peer group interaction
10. Effective listening, speaking, reading, writing, thinking, and viewing.

KNOWLEDGE

1. Content (subject matter)
2. Law and ethics
3. Referral systems
4. Instruction of the special child
5. Child development, sociology, learning theory, self-concepts, philosophies of education.
6. Comprehension, analysis, and evaluation of print and non-print information and messages.
7. Standard conventions of writing and speaking
8. Analysis of literature and fine arts.
9. Mathematics
10. Science
11. Social studies
12. Connecting learning with workforce and fulfillment of living

In addition to the above goals and objectives, each licensure area has goals and objectives.

Minor In Reading (K-12)

I. Minor/Professional Education Program Requirements

ED 228	Children's Literature
ED 323	Teaching the Communication Arts I
ED 324	Corrective and Remedial Reading
ED 325	Teaching the Communication Arts II
ED 327	Content Area Reading/Language Arts
ED 407	Organization and Administration of the Reading Program
ED 412	Measurement and Assessment in Teaching

II. Other Program Requirements

ENLE 365	Young Adult Literature
LL 400	Theories and Methods of Learning and Teaching Language

or TESL 392 TESOL Methods and Applications: Reading and Writing
SPED 301 Characteristics of Learning Disabilities

III. Teacher Licensure

To obtain teacher licensure in reading, a student must complete:
ED 408 Student Teaching in the Minor Area
or ED 410 Student Teaching

SOCIAL STUDIES FOR SECONDARY EDUCATION

Jonathan C. Matthews, Ph.D.
Roderick M. Thronson, Ed.D.

Major In Social Studies For Secondary Education

The broadfield major in social studies embraces at least 54 semester credits of course work in history, political science, sociology, economics, psychology, and geography. Since the major and the minor are combined in this program, a teaching minor is not required for licensure.

I. Major Program Requirements

At least 54 semester credits of course work in history, political science, sociology, economics, psychology, and geography, distributed as follows:

Twenty-four credits of History, including:

HI 101-102	History of Western Civilization
HI 212	History of Modern Europe since 1870
HI 221-222	History of the United States
HI 251	Introduction to East Asia or
HI 271	History of Modern Latin America or
HI 372	History of Modern Mexico
HI 424	History of the Trans-Mississippi West
HI 494	Historiography

Fifteen credits of Political Science, including:

PO 100	Justice and the Just Society: Introduction to Politics
PO 104	American National Government
PO 115	International Relations
PO 216	American Political Thought
PO 250	Contemporary Issues in American Politics

Twelve credits in one of the following areas:

Economics, Geography, Psychology, or Sociology

*Additional Required Courses:

EC 106	Survey of Economics
GEOG 202	World Regional Geography
SO 101	Introduction to Sociology
SO 200	Social Problems

*These courses and those in Professional Education Program Requirements may also count toward partially meeting the 12-credit requirement, above, in Economics, Geography, Psychology, or Sociology.

II. Professional Education Program Requirements for Social Studies Major

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 309	Teaching in the Secondary School
ED 327	Content Area Reading/Language Arts
ED 344	Secondary Social Studies
ED 405	Education Seminar

ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children

United States and contemporary world cultures course(s)—see index for page number.

Notes: 1. All degree students should review requirements for graduation as described in this catalog.

III. Acceptance Into Teacher Education Program

All students in elementary or secondary education should review information on the Teacher Education Program. See index for page number.

SOCIOLOGY

John Murphy Fox, M.A.
Elizabeth Chute, Ph.D.
Jamie Dolan, M.?
Rev. Jeremiah Lowney, Ph.D.

Mission

The mission of this department is to provide students with the requisite analytic tools for delving beneath the surface of everyday reality and perceiving the deeper meanings, recurring patterns, and concomitant structures that constitute the social world. As a department within a liberal arts college, we endeavor to integrate students' study of sociology with Carroll's broader and publicly articulated goals. Finally, as a department within a distinctly Catholic liberal arts college, we are committed to honoring students' search for "Ultimate Truth" and highlighting the ethical ramifications of what students learn in the classroom about society.

Goals

The overall and ongoing goal of this department is to pursue our tripartite mission of honing the "sociological imagination" among our students, demonstrating to them the variegated connections between sociology and other academic skills and disciplines, and conscientiously underscoring the ethical considerations that inevitably accompany their studies in the social world. Commensurate with our pursuit of this goal are the following, more specific objectives:

1. To contribute to a diverse array of course offerings that is constitutive of a liberal arts education in general, and certainly present within the intellectual and Catholic foundations of Carroll College.
2. To provide students with the necessary knowledge base and intellectual skills that will enable them to find meaningful employment and/or enroll in graduate school in their chosen fields.
3. To provide students with the kind of hands-on, practical experience that can both supplement their academic work, and facilitate their discernment vis-à-vis their eventual career choices and directions for graduate study.
4. To help integrate into a community of learners both within the department and within Carroll College as a whole.

Major in Sociology

I. Major Program Requirements

Thirty-three semester credits of sociology courses, including:

SO 101	Introduction to Sociology
SO 331	Social Science Research Methods
SO 392	Modern Social Theory
SO 495	Senior Seminar

Note: Nine of the remaining 21 credits must be upper-division (300 and 400 level) courses.

II. Other Program Requirements

CO/ENWR 306	Writing for the Media
or ENWR 305	Technical Writing
MA 207	Elementary Statistics

Notes: 1. All students are required to meet the quantitative and qualitative requirements for graduation from Carroll College as listed in this catalog.

2. It is possible to obtain a broadfield social science for secondary education major with an emphasis in sociology.

3. If a student is interested in criminal justice or juvenile justice, the following courses are recommended but not required:

SO 200	Social Problems
SO 220	Sociology of Sports
SO 262	Alcoholism, Drug Abuse and Dependency Behavior
SO 309	Crime and Criminology
SO 310	Field Service in Sociology of Crime
SO 312	Juvenile Delinquency and Deviant Behavior
SO 313	Field Service in Sociology of Juvenile Delinquency
SO 314	Sociology of Law
SO 317	Ethnic and Racial Relations
SO 318	American Indians
PO 210	Introduction to Constitutional Law
PSY 228	Adolescent Psychology
PSY 306	Abnormal Psychology

4. If a student is interested in Human Services, the following courses are recommended but not required:

SO 102	Introductory Field Service in Sociology
SO 200	Social Problems
SO 208	The Family
SO 262	Alcoholism, Drug Abuse and Dependency Behavior
SO 291	Social Gerontology
SO 309	Crime and Criminology
SO 310	Field Service in Sociology of Crime
SO 312	Juvenile Delinquency and Deviant Behavior
SO 313	Field Service in Sociology of Juvenile Delinquency
SO 351	Medical Sociology
SO 352	Field Service in Medical Sociology
PSY 105	General Psychology
PSY 304	Theories and Research in Counseling Psychology
PSY 306	Abnormal Psychology

One of the following:

SO 218	Introduction to Native American Studies
SO 317	Ethnic and Racial Relations
SO 318	American Indians

5. If a student is interested in physical therapy, graduate programs may require a variety of sociology courses. These may include SO 351 Medical Sociology, SO 352 Field Service in Medical Sociology, SO 291 Social Gerontology, SO 425 Sociology Internship, SO 200 Alcoholism, Drug Abuse and Dependency Behavior, as well as a course in Ethnic and Racial Relations or Native American studies and a course in the area of deviance (SO 309 or SO 312). Students are encouraged to take SO 220 Sociology of Sport. In addition, numerous courses in chemistry, biology, physics and psychology are required by graduate programs in physical therapy.

Minor in Sociology

Minor Program Requirements

Twenty-one semester credits of sociology courses, including:

SO 101 Introduction to Sociology

SO 392 Modern Social Theory

Note: At least 6 of the remaining 15 credits required must be upper-division (300 and 400 level) courses.

SPANISH

Tomas L. Graman, Ph.D.

Alexis J. Rincón, M.S.

Mission and Goals

The Spanish program is designed to provide students with the special knowledge, skills, and pedagogy needed to enter graduate or professional schools or to gain employment in their field. Consequently, students completing this major program are expected to have

- an understanding of the basic knowledge, concepts, and critical theories of the major field;
- the critical thinking skills needed for generating and analyzing both literary and expository texts;
- an ability to read, speak, and write in a second language;
- the writing and speaking skills needed to communicate effectively in the field;
- an understanding of cross-cultural issues.

The major program of study offer sound preparation for graduate study in literature, languages, or writing. In addition, it is possible for a student to design a program to prepare for studying law or for entering a career in journalism, public relations, public information, or communications. An option is available in the senior year to intern in the local community for practical experience under EN/FR/GK/GM/LA/SP 422 Career Internship.

Major In Spanish

I. Major Program Requirements

Twenty-four semester hours of upper-division courses beyond SP 204.

SP 101-102 Acquisition of Spanish I and II*

SP 203-204 Acquisition of Spanish III and IV*

Plus the following 15 upper-division Spanish credits in residence at Carroll:

SP 301 or 302 The Hispanic Short Story I or II

SP 304 Spanish Phonetics and Phonology

SP 305 Reading and Writing in Spanish

SP 306 Spanish Morphology & Syntax

and any one of the following four classes:

SP 402, 402, 403, or 404

II. Other Program Requirements

1. Successful participation in an approved program of study in a Spanish-speaking country. Spanish majors may choose to study abroad either:
 - a.) One academic year and take 14 upper-division credits in residence at Carroll, or
 - b.) One semester or two summers and take 18 upper-division credits in residence at Carroll.
2. The remaining 10 upper-division credits from option (a) or the remaining 6 upper-division credits from option (b) will be taken at the selected institution abroad, with prior approval of the department.
3. Students who are taking courses abroad must take corresponding examinations abroad in order to receive credits. No credits will be given

for any examination with less than a "C" or a 2.00 grade in the course. Credits will be accepted only for students returning to Carroll.

4. Students are responsible for sending an original copy of their foreign transcripts, as well as a translation of it, directly to the Registrar's Office.

Major in Spanish Education (K-12)

I. Major Program Requirements

SP 101-102 Acquisition of Spanish I and II*

SP 203-204 Acquisition of Intermediate Spanish III & IV*

Plus 24 semester hours of upper-division Spanish courses, including:

SP 301 or 302 The Hispanic Short Story I or II

SP 401 or 402 Culture and Literature of Spain I or II

SP 304 Spanish Phonetics and Phonology

SP 305 Reading and Writing in Spanish

SP 306 Spanish Morphology & Syntax

SP 403 or 404 Culture and Literature of Latin America I or II

*See index for page number of Language Placement Guidelines.

II. Professional Education Requirements

AN/SO 218 Introduction to Native American Studies

CS 103 Instructional Media and Technology

ED 102 Foundations of Education

ED/PSY 229 Educational Psychology

ED 245 Diversity Field Experience

ED 309 Teaching in the Secondary School

ED 327 Content Area Reading/Language Arts

ED 405 Education Seminar

ED 410 Student Teaching

ED 412 Measurement & Assessment in Teaching

LL 400 Theories and Methods of Learning and Teaching Language

HPE 214 The School Health Program

PSY 227 Child Psychology

and PSY 228 Adolescent Psychology

or PSY 105 General Psychology

and PSY 203 Developmental Psychology

SPED 300 Introduction to Exceptional Children

United States and contemporary world cultures course(s)—see index for page number.

III. Other Program Requirements

Majors in Spanish education must fulfill other standard requirements for the Spanish major as listed above in "Spanish Major Program Requirements."

IV. Acceptance Into The Teacher Education Program

Read pages describing and consult with the director of the teacher education program.

V. Proficiency Exam

All Spanish education (K-12) students are required to take the ACTFL oral proficiency examination during their senior year.

Minor in Spanish

In order to earn a minor in Spanish, a student must successfully complete 12 semester credits of upper-division courses (beyond SP 204). The Spanish minor also requires SP 304, SP 305, SP 306, and at least one Hispanic literature course in residence at Carroll as part of the 12 credits.

Minor in Spanish Education (K-12)

I. Minor Program Requirements

SP 101-102 Acquisition of Spanish I and II*

SP 203-204 Acquisition of Spanish III and IV*

And 14 upper-division credits in Spanish in residence at Carroll, includ-

- ing:
- SP 301 or 302 The Hispanic Short Story I or II
 - SP 304 Spanish Phonetics and Phonology
 - SP 305 Reading and Writing in Spanish
 - SP 306 Spanish Grammar
 - SP 403 or 404 Culture and Literature of Latin America I or II
- *See index for page number for Language Placement Guidelines.

II. Other Program Requirements

- LL 400 Theories and Methods of Learning and Teaching Language
- PSY 227 Child Psychology
- PSY 228 Adolescent Psychology

And successful participation in an approved program of study in a Spanish speaking country for at least one summer session or semester.

III. Proficiency Exam

All Spanish education (K-12) students are required to take the ACTFL oral proficiency exam in Spanish during their senior year.

Note: To obtain teacher licensure (K-12) in Spanish, students must major in either a secondary education area which leads to teacher licensure or in elementary education. See Department of Education: Health, Physical, and Teacher for more details.

SPECIAL EDUCATION

Robert J. Stansberry, Ed.D.

Mission

The teacher education unit's mission is to prepare students for lifelong learning, developing future educators' intellect, imagination, self-confidence, and motivation, while preparing them for the teaching profession. Students investigate, reflect, analyze, and judge reality and truth through inquiry and discussion. Committed to educating each student as a total human being, the teacher education unit helps students to receive, respond to, organize, and characterize values. Specifically, students develop values about teaching, society, health behaviors, moral issues, education, and political influences. We ask our students to think boldly about the opportunities and responsibilities presented to us by a rapidly changing world. Students within the department are encouraged to live Carroll College's mission by participating in community service and by interacting with children and adults from diverse cultural, religious, economic, and intellectual backgrounds.

The teacher education unit advances this mission as it works within the conceptual framework of Carroll College's teacher education unit. That framework is built upon a liberal arts education, structured by traditional educational philosophies, and embraced by an atmosphere of dignity, which values justice of all persons. Access the complete Teacher Education Conceptual Framework and the current Title II pass rates from Carroll College's Education Homepage.

Goals and Objectives

The goal of Carroll College's teacher education program is to assist students in developing teaching competencies in their chosen fields and help them become educational leaders capable of responding to their students' individual needs. Teacher education graduates will demonstrate competence in the 10 INTASC standards, as well as an additional Montana standard. The following dispositions, skills, and knowledge are to be viewed in conjunction with specific goals and objectives established for the college and for each required professional education course.

DISPOSITIONS

1. Demonstrate an attitude of professionalism through
 - a. his/her behavior as a role model to students;
 - b. continuing self-development;
 - c. ethical behavior;
 - d. peer support;
 - e. contributions to the growth of the profession.
2. Maintain healthy student/teacher relationships.
3. Exhibit continued enthusiasm for teaching profession.
4. Have appropriate relationships with administrators, teachers,

- support personnel, parents, and other community members.
5. Be encouraged to participate in community service.
6. Project a positive self-image.
7. Appreciate the whole person by recognizing the uniqueness of each individual student.

SKILLS

1. Classroom management and coping
2. Classroom motivation and interaction
3. Planning and lesson design
4. Teaching strategies
5. Instructional decision making
6. Problem-solving inquiry
7. Student diagnosis
8. Media and technology resource
9. Effective peer group interaction
10. Effective listening, speaking, reading, writing, thinking, and viewing.

KNOWLEDGE

1. Content (subject matter)
2. Law and ethics
3. Referral systems
4. Instruction of the special child
5. Child development, sociology, learning theory, self-concepts, philosophies of education.
6. Comprehension, analysis, and evaluation of print and non-print information and messages.
7. Standard conventions of writing and speaking
8. Analysis of literature and fine arts.
9. Mathematics
10. Science
11. Social studies
12. Connecting learning with workforce and fulfillment of living

In addition to the above goals and objectives, each licensure area has goals and objectives.

Minor in Special Education (K-12)

I. Minor/Professional Education Program Requirements

SPED 300	Introduction to Exceptional Children
SPED 301	Characteristics of Learning Disabilities
SPED 302	Characteristics of Mental Retardation
SPED 303	Characteristics of Emotional Disturbance/Behavior Disorders
SPED 323	Assessment and Evaluation in Special Education
SPED 408	Methods for Teaching Students with Mild Disabilities
SPED 413	Speech, Language and Hearing Disorders

II. Other Program Requirements

ED 205	Classroom Management
ED 324	Corrective and Remedial Reading
ED 412	Measurement and Assessment in Teaching
PSY 227	Child Psychology
and PSY 228	Adolescent Psychology
or PSY 105	General Psychology
and PSY 203	Developmental Psychology

III. Teacher Licensure

To obtain teacher licensure in special education, a student must complete:

ED 408	Student Teaching in the Minor Area
or ED 410	Student Teaching

Note: To teach special education (K-12) in Montana with only a minor concentration in the field, a student must either major in elementary education or pursue a secondary education major which leads to teacher licensure. See the listing of secondary teaching majors under "Secondary Education Requirements" in this catalog.

TESOL (Teaching English to Speakers of Other Languages) Michelle Lewis, M.A.

See Education:Teacher for Mission and Goals

Major in Teaching English to Speakers of Other Languages (TESOL)

This interdisciplinary major will prepare students to teach English to speakers of other languages in domestic and international settings and is a complement to other Carroll majors. The TESOL major integrates appropriate Carroll courses in a program that offers American and international students another practical, marketable field of study.

I. Program Requirements

CO 325	Intercultural Communication or an approved study abroad
CS103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 309	Teaching in the Secondary School*
ED 412	Measurement and Assessment in Teaching
ENLE 332	English Grammar
ENLE 333	History of the English Language
LL220	Introduction to Linguistics
PSY 105	General Psychology
PSY 203	Developmental Psychology
TESL 391	Methods and Applications: TESOL Listening and Speaking
TESL 392	Methods and Applications: TESOL Reading and Writing
TESL 430	TESOL Practicum

* Note: ED 205, ED 323, and ED 325 (all three together) are accepted in place of ED 309.

II. Other Program Requirements

1. modern foreign language study equivalent to 2 years experience.
2. Six credits in cross-cultural courses such as history, world geography, oriental philosophy, or comparative religions

Note: All degree students should review requirements for graduation as described in this catalog.

III. TESOL Program requirements

A minimum 2.50 cumulative grade point average must be maintained throughout the course of study.

IV. Criteria for Admission to the Practicum: TESL 430

1. senior class standing
2. a grade of at least "C" in ED 309 and either TESL 391 or TESL 392

Criteria for A Letter of Completion

Students may earn a TESOL major that will be verified by a letter of completion.

To complete the TESOL major, a student must have completed an undergraduate degree from an accredited college or university; and have earned at least 18 credits at Carroll College, including TESL 391, TESL 392, and TESL 430; and meet all TESOL requirements as listed in sections I, II, III, & IV.

Major in Teaching English to Speakers of Other Languages (TESOL) K-12

I. Program Requirements

CO 325	Intercultural Communication or an approved study abroad
ENLE 332	English Grammar
ENLE 333	History of the English Language
TESL 391	Methods & Applications: TESOL Listening & Speaking
TESL 392	Methods & Applications: TESOL Reading & Writing
	Modern foreign language study equivalent to two (2) years experience.
	6 credits in cross-cultural courses such as history, world geography, oriental philosophy, or comparative religions.
	Demonstrate native English language competence, or a 550 TOEFL score or above, or complete the CILI classes necessary to develop the appropriate English competence.

II. Professional Education Requirements

AN 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 309	Teaching in the Secondary School and
ED 327	Content Area Reading/Language Arts
or ED 205	Classroom Management
ED 323	Communication Arts I and
ED 325	Communication Arts II
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement and Assessment in Teaching
HPE 214	The School Health Program
PSY 227	Child Psychology and
PSY 228	Adolescent Psychology
or PSY 105	General Psychology and
PSY 203	Developmental Psychology
SPED 300	Introduction to Exceptional Children

United States and contemporary world cultures course(s)—see index for

page number.

THEOLOGY

James T. Cross, Ph.D.

Christopher Fuller, Ph.D.

Annette Moran, C.S.J., Ph.D.

John Ries, M.A.

Mission

The theology department's mission is to promote careful biblical and theological reflection, spiritual awareness, and an understanding of the Catholic tradition. As mandated by the mission of the college, the theology department serves the college community, the wider civic community and the diocese of Helena in "acting as a mediator between religion and culture (and) by carrying on an academic dialogue with philosophy, science, the liberal arts, the believing community and secular society" (Carroll College's Mission Statement).

Goals

- To provide students with an understanding of the basic principles and concepts in biblical, moral and doctrinal theology from a Catholic perspective;
- To acquaint students with a variety of theological perspectives and to provide them with the ability to interpret and evaluate them;
- To provide students with the skills of critical thinking and their application in reading, speaking and writing;
- To require students to investigate and to articulate the relationship between theology and other fields of study;
- To provide students with the necessary background, knowledge, and intellectual skills to succeed in graduate study.

Introductory Courses

One basic course (TH 101) and 7 second-level courses (TH 201, TH 205, TH 206, TH 207, TH 208, TH 209, and TH 210) are designed to give the student an overall view of theology. Students in the major programs should complete at least 3 second-level courses before taking specialized courses. Exceptions to this general policy must be approved by the Theology Department chairperson.

Specialized Courses

The theology program is designed to allow for a wide variety of course offerings, according to the needs of students and the availability of professors. If necessary, visiting professors will be invited to offer courses.

Interdisciplinary Courses

Specified courses from other departments may be taken with the permission of the Theology Department chairperson and in accordance with the needs of an individual student's program. The Theology Department encourages interdisciplinary and cross-disciplinary communication.

Major in Theology with an Area of Concentration

I. Major Program Requirements

The theology major requires 39 semester credits of theology courses. Majors in theology may choose from among 2 areas of concentration for their major (systematic theology or contextual theology). Both concentrations have a common core of 19 semester credits of theology courses, including:

TH 205	Moral Theology
TH 207	Introduction to the Old Testament
TH 208	Introduction to the New Testament
TH 209	Christian Social Teachings

TH 303-304	History of Christian Thought
TH 495	Theology Seminar
TH 496	Theology Research Paper or Theology Research Project
or TH 499	Honors Thesis

II. Other Program Requirements

EN 227	Expository Writing
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Specific requirements for each area of concentration include:

A. Systematic

HI 301-302	History of the Catholic Church
TH 201	Church and Worship
TH 303-304	History of Christian Thought
TH 321	Christology

B. Contextual

TH 206	Comparative Religion
TH 327	Sin and Grace in Theology and Literature
TH 333	Church and State in Latin America
TH 355	Spirit, Science, and Nature

1. Course sequence for majors: TH 101; then at least 3 200-level courses; then upper-division courses. All degree students should review requirements for graduation as described on page 53.

2. The following course may apply toward fulfilling the 37 credits required for the theology major:

PHIL 216	Philosophy of God and Religion
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II. Other Program Requirements

Completion of a modern or classical second language through the intermediate level.

Minor in Theology

Minor Program Requirements

Twenty-one semester credits of theology, including:

TH 205	Moral Theology
TH 207	Introduction to the Old Testament
TH 208	Introduction to the New Testament
TH 303-304	History of Christian Thought
TH 495	Theology Seminar

The remaining 3 hours must be 200 level or above

Ministry Formation

Carroll College students interested in preparing themselves for service to the Church in ministry positions may participate in the program of Formation of Lay Ministers of the Diocese of Helena.

The Formation of Lay Ministers program is under the direction of the Office of Ministries of the Diocese of Helena. It is expressly designed for the spiritual, intellectual, and psychological/emotional formation of those who are called by the Church to serve the Church as Lay Ministers. It is an intensive two-year program and involves 16 weekend sessions. Each weekend involves 12 hours of instruction as well as community building exercises. At the completion of the two-year program, a certificate of completion is granted to the participant by the Diocese of Helena.

Admission to this program for Carroll College students is determined by the Office of Ministries of the Diocese of Helena. Fees for the program are adjusted annually and are the responsibility of the participant.

PRE-PROFESSIONAL PROGRAMS

3-2 Engineering: Major in Mathematics

Mr. Terence J. Mullen, Advisor

A student who completes the requirements for the 3-2 Engineering Major in Mathematics earns two degrees:

1. A Bachelor of Arts degree with a major in mathematics from Carroll College, and
2. A Bachelor of Science degree with a major in a selected field of engineering (e.g., mechanical engineering) from one of the following affiliated engineering schools:

- Columbia University, New York, NY
- The University of Notre Dame, South Bend, IN
- The University of Southern California, Los Angeles, CA
- The University of Minnesota, Minneapolis, MN
- Gonzaga University, Spokane, WA
- Montana Tech of the University of Montana, Butte, MT
- Montana State University, Bozeman, MT

Engineering fields, which 3-2 students may select, include the following:

- Aerospace Engineering
- Engineering Mechanics
- Chemical Engineering
- Engineering Science
- Civil Engineering
- Geological Engineering
- Computer Engineering
- Geophysical Engineering
- Electrical Engineering
- Industrial Engineering
- Environmental Engineering
- Material Science Engineering
- Mechanical Engineering
- Metallurgical Engineering
- Applied Biology
- Mineral or Mining Engineering
- Applied Chemistry
- Nuclear Science and Engineering
- Applied Geophysics
- Operations Research
- Biological Engineering
- Petroleum Engineering

The purposes of the 3-2 program are to provide the student with a traditional engineering education augmented with a strong liberal arts background and to provide a broader and deeper exposure to mathematics and its applications than would ordinarily be possible in a four year engineering program.

Under the 3-2 program, a student attends Carroll College for three years and then selects and transfers to one of seven affiliated engineering schools for two years of study. Upon successful completion of the five-year program, the student receives a Bachelor of Arts degree with a major in mathematics from Carroll College and a Bachelor of Science degree with a selected engineering major from the engineering school.

Carroll College continually reviews its curriculum with the seven affiliated schools to ensure that 3-2 students can complete any of the engineering majors in the five-year program.

A program to prepare students for graduate studies in engineering is also offered via the mathematics major with a cognate concentration in engineering.

A student in the 3-2 engineering program will be accepted at any one of the seven engineering schools on the written recommendation of the engineering program faculty. Before a student will be considered for a recommendation, at least a 2.60 cumulative grade average and a 2.60 average in the "Major Program Requirements" and in the "Other Program Requirements" must be achieved by the end of the fifth semester at Carroll College.

See 3-2 Engineering: Major in mathematics under the Department of Mathematics Engineering and Computer Science.

Pre-Medical and Pre-Dental Programs

Dr. Sam Alvey, Advisor

Admission to medical or dental school requires completion of courses in biology, chemistry, physics, mathematic, and English. While most premedical students graduate from Carroll College with a degree in biology, the choice of a major field of study is left open to the student. The following are recommended minimum requirements:

BI 171-172	Biological Principles I & II
BI 221	Cell Biology
BI 300	Genetics
CH 101-102	General Chemistry
CH 301-302	Organic Chemistry
CH 353	Biochemistry
PHYS 201-202	Physics I & II
MA 121-122	Differential and Integral Calculus
MA 207	Elementary Statistics

In almost all cases, students enter medical or dental school after completing a four-year undergraduate program. Occasionally, highly qualified students enter after three years. A student who enters medical or dental school after three years of undergraduate study may receive the Bachelor of Arts degree with a major in biology from Carroll College under the following conditions.

1. Successful completion of the first 3 years of course work in the major program.
2. Fulfillment of all Carroll College Core Curriculum requirements.
3. Successful completion of the first 2 years of professional school; and
4. Application for degree and receipt by the Registrar's Office of an official transcript from the professional school.

Pre-Law Program

Mr. Dennis Wiedmann, Advisor

Accredited law schools require the bachelor's degree for admission, yet rarely do they specify a particular major field of study. Law schools are particularly interested in applicants who have had broad exposure to the humanities and social sciences and have proven ability for cogent written and oral expression. Degrees in English, history, political science, philosophy, sociology, mathematics, accounting, economics, business, and other areas are suitable for the pre-law student. Students interested in law school are urged to become familiar with the requirements of the specific schools to which they plan to apply. Carroll College has a pre-law speaker series and a legal internship program in the Department of Political Science, both of which enable the student to become well-acquainted with the legal profession. The Department of Political Science offers a one-credit pass/fail course, PO 201, designed to expose potential law students to various aspects of the profession.

Also available to students considering legal careers is the Carroll College Pre-Law Handbook, a short guide to prepare for the study of law and law school admissions processes.

Pre-Optometry Program

Dr. Marilyn Schendel, Advisor

Admission requirements for doctor of optometry programs vary from program to program and students should check individual web sites for specific information. General requirements include calculus, statistics, organic chemistry, anatomy, physiology, microbiology and psychology. Carroll students often major in either biology or chemistry since many of the course requirements coincide with these majors. However a science degree is not required.

Pre-Pharmacy Program

Dr. Kyle Strode, Advisor

Pharmacy programs usually consist of a pre-pharmacy program followed by four years of pharmacy school. Beginning in 2001, all pharmacy schools in the U. S. began granting only pharmacy doctoral degrees. A typical pre-pharmacy student at Carroll would take the courses listed below to meet the pharmacy prerequisites for the University of Montana, with which we maintain a close relationship. It is possible to finish these pharmacy prerequisites in two years (but see the note in italics below). In addition, Carroll students, regardless of their original state of origin, are considered "in-state" applicants at the University of Montana and pay the corresponding in-state tuition. All eight students Carroll students who applied to the UM Pharmacy program in 2006 were accepted.

Pharmacy schools vary in their prerequisite requirements. Some pharmacy schools might require additional coursework prior to admission (examples listed below), which make it necessary to do three or four years of pre-pharmacy coursework. *Most of the pharmacy schools in the Northwest U.S. (including the University of Montana) reported that the majority of their students admitted in 2006 had completed three years of coursework or received a bachelor's degree. Successful applicant profiles at most of the institutions are available on their web sites.*

Recommended minimum requirements:

LAS 101	Alpha Seminar
BI 171-172	Biological Principles I and II
BI 221	Cell Biology
CH 101-102	General Chemistry I and II
CH 301-302	Organic Chemistry I and II
MA 121	Calculus I
MA 207	Elementary Statistics
ENWR 102	College Composition
COMM 101	Basic Communication
PSY 105	General Psychology
or SOC 101	General Sociology
ECON 201	Microeconomics
PHYS 201	Physics I

Some programs may require the following additional courses:

BI 201-202	Human Anatomy and Physiology
BI 214	Microbiology
CH 353	Biochemistry

Pre-Physical Therapy Program

Dr. Jacqueline Brehe, Advisor

Although students interested in physical therapy may select any major, the following are the most frequently chosen: Psychology, Sociology, Health and Physical Education, and Biology. *Students who choose to major in Biology may need to spend extra time in college to complete all major requirements and all physical therapy requirements as well.*

Strong academic performance is considered paramount; the degree emphasis is secondary. Although many schools list an overall minimum GPA of 3.0 for admission, to be competitive a GPA of at least 3.5 is needed. The prerequisite GPA is usually higher.

Applicants to schools of physical therapy must demonstrate an understanding of the profession they wish to enter. Programs typically require a minimum of 80-100 hours of full or part time experience (volunteer or salaried) under the supervision of a certified physical therapist. Usually two or more settings are stipulated with acute care often being recommended as one of the settings.

Schools of physical therapy vary somewhat in their admission requirements. Therefore, it is highly recommended that students contact the particular physical therapy schools to which they wish to apply to gain a thorough understanding of the prerequisites so that their academic programs at Carroll can be planned to accommodate any changes to the recommendations

listed below. It is advisable that the selection of physical therapy schools to which the students intend to apply be done early in the students' academic careers so there is time to make accommodations.

Carroll College recommends the following courses for those preparing to enter a physical therapy program. These represent minimum requirements for most schools (*Additional courses may be necessary depending on the school of physical therapy selected by the student. For example, the University of Montana requires Human Anatomy and Physiology, a course in microbiology, an additional advanced biology course and an exercise physiology course, but does not require general biology.*)

Biology (3 courses):

BI 171	Biological Principles I (some schools require a second general biology course)
BI 201-202	Human Anatomy and Physiology

Chemistry (2 courses):

CH 101-102	General Chemistry
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Physics (2 courses):

PHYS 201-202	Physics I and II
or PHYS 205-206	Engineering Physics I and II

Math (2 courses):

MA 117	Difference Equations and Liner Algebra
or MA 121	Differential Calculus
MA 207	Statistics

Psychology (2 courses):

PSY 105	General Psychology
PSY 203	Developmental Psychology
or PSY 306	Abnormal Psychology

Other Requirements: Computer literacy is assumed. Students may be asked to provide documentation of their proficiency. Certification in Advanced First Aid and CPR is required by most schools. Communication and English composition prerequisites are included in Carroll Core requirements. A small number of schools allow courses in Comparative Anatomy and Vertebrate Physiology to substitute for Human Anatomy and Physiology. *Revised 1/2006*

Pre-Physician's Assistant Program

Dr. Jacqueline Brehe, Advisor

There is a great diversity in the requirements for admission to Physician Assistant programs and the student is advised to check individual web-sites for specific information. Generally, 1000-2000 hours of direct patient care is required as is human anatomy and physiology, microbiology and chemistry. A science major is not required.

Pre-Veterinary Program

Dr. Jennifer Geiger, Advisor

Students interested in veterinary medicine should take a core of science courses that are required for admission. Each professional school will have its own set of pre-admission courses but a general course of study would include:

2 semesters	Intro Biology
1 semester	Biochemistry
2 semesters	Gen Chemistry
1 semester	Genetics
2 semesters	Org Chemistry
1 semester	Physics
1 semester	Statistics

English composition, communications and other courses outside of the sciences

Additional Biology courses may be required or recommend

Students should check individual websites for specific information on admission requirements.

Most Carroll students major in either biology or chemistry since the course requirements coincide with these majors. However a science degree is not required. In fact the applicant can be accepted before completion of an undergraduate degree, but students are advised to pursue a specific major.

SPECIAL PROGRAMS

Cooperative Education And Internship Programs

Recognizing that learning can take place outside the classroom, Carroll College allows its students to participate in a work program that relates to their area of studies. This employment must relate directly to classroom work in order to qualify for cooperative education/internship. Close cooperation between Carroll and the participating companies insures a work experience that contributes significantly to the student's overall growth and professional development.

Juniors and seniors in any major area may participate in either program with the approval of the department chairperson, academic advisor, cooperative education program director, and the Vice President for Academic Affairs. Students receive monetary compensation and credit for cooperative education and credit only for internships. A student may earn a maximum of 6 semester hours in the cooperative education program. Enrollment in the course must be during the same semester in which the actual work experience takes place. Interested students should contact the Director of the Internship Program at the Career Center.

General Studies

General studies students (students with undeclared majors) typically pursue CORE course requirements for their freshmen and sophomore years while exploring a range of possible liberal arts and science major degree programs for the Bachelor of Arts degree. Students should consult with their academic advisor for more information about pursuing general studies in their first years of college.

Honors Scholars Program

Philosophy

Interdisciplinary studies, assisted by a careful and thorough study of philosophy and theology, enable students to acquire an organic vision of reality, and to develop a continuing desire for intellectual progress.

Ex corde ecclesiae, Pope John Paul II

The Carroll College Honors Scholars Program is designed for those students who excel in academic scholarship, personal character, and social commitment. Enhancing these three qualities is the educational goal that Carroll College celebrates in its Mission Statement.

Carroll College prides itself on its academic reputation. Yet, as important as academic studies are, Carroll understands that an institution of higher learning must also be concerned with the development of a student's personal character and sense of social responsibility. These concerns drive Carroll's Honors Scholars Program.

The Honors Scholars program is dedicated to the education and scholarship of Carroll's academically focused students and to projecting this image of excellence of the Carroll community. It is a program that belongs to the entire Carroll community: students, staff, and faculty.

Moreover, the program offers arts and letters beyond the classroom setting. A wide variety of cultural programs, projects, and activities are scheduled,

including a speaker series, discussions, educational trips, dinners at faculty homes, and attendance at performing arts events followed by special sessions with performers and artists. Honors Scholars also develop their sense of social responsibility through volunteering for community service projects.

Mission

The Honors Scholars Program affirms three basic components - academic scholarship, cultural learning, and service learning. Indeed, such integration is critical for the living quest: moving from the realm of information into the world of knowledge. These components are held in the heart of the overall mission of Carroll College. No simple formula can accomplish this mission. Indeed, success depends upon the heart of a student's favorite professor, and the religiosity of spirit found at Carroll College.

Goals

1. Scholars will participate in a unique sequence of five seminar courses as part of the student's Carroll College Core Curriculum;
2. Scholars will share the excitement of cultural events and meetings with visiting artists, scholars, and performers, developing an appreciation of program camaraderie;
3. Scholars will participate in service learning projects individually and in groups;
4. Scholars will develop these projects within their majors with HSP influence;
5. Scholars will interact directly with professors and other Honors Scholars beyond the classroom, developing a vivid sense of Carroll's identity;
6. Scholars will take part in an advanced academic program mentored by a committee of professors devoted to developing the best education in America.
7. Scholars will earn recognition as an Honors Scholar at Carroll academic awards presentations, at graduate proceedings, on transcripts and diploma;

Members of the four-year Honors Scholars Program at Carroll College are selected in their freshman year from all academic majors. Admission to the program is competitive with no more than sixteen students accepted into each class. Honors Scholars participate in classroom seminars, attend a variety of cultural events, and pursue community service projects of their own conception.

Beginning in the spring term of their freshman year, students participate in a sequence of five interdisciplinary seminars listed as 'HNR' courses on their transcripts. Through open discussion, students explore the pivotal ideas presented in seminal works from the Western intellectual tradition.

During the freshman seminar, participants begin tracing the interrelationships and ramifications of key ideas evolving through the classical Greek and Roman periods. Students develop skills in critical reading, thinking, discourse, and writing while assessing important concepts and values forming the foundation of our cultural heritage. Subsequent seminars proceed chronologically across academic disciplines, including Judeo-Christian and Medieval, Renaissance and Reformation, Restoration and Enlightenment, ending with Romantic and Modern. By breaking through disciplinary boundaries, participants acquire an integrated view of fundamental human concepts and refine skills in critical inquiry that can be applied to the study of any academic field or culture. The Honors Scholars Program upholds rigorous standards in assessing the work of its students.

The HNR seminars substitute for CORE at Carroll College as follows:

HNR 150 - Philosophy 3 credits

HNR 250 - Theology 3 credits

HNR 251 - Literature 3 credits

HNR 350 - Social Science 6 credits

HNR 450 - Philosophy 3 credits

HSP Requirements

1. HNR 150 - Classical Greek and Roman Thought (Classical period 500 BC - 500 AD)
2. HNR 250 - Judeo-Christian and Medieval Thought (Medieval period 500 AD - 1500 AD)
3. HNR 251 - Renaissance Thought (Arts and Science Revolution 1450 AD - 1650 AD)
4. HNR 350 - Restoration and Enlightenment Thought (The Rise of Empiricism 1600 AD - 1820 AD)
5. HNR 450 - Modern Thought (Romanticism to post Modern 1820 AD - Today)
6. HNR 495 - Honor Thesis Writing (spring semester junior year)
7. HNR 499 - Honors Thesis

HSP students must take one additional social science 200-400 level course.

HSP students must take 6 credits of a foreign language. Students with knowledge of a foreign language may demonstrate competency through placement examination. Attainment of fluency through intermediate level is strongly encouraged.

HSP students are encouraged to satisfy the CORE fine arts requirement through a visual arts course

HSP students are encouraged to satisfy the CORE natural science requirement with a four-credit lab science course.

HSP students must take the HI 101/HI 102 - History of Western Civilization series, preferably in their freshman year.

Military Science and Leadership (ROTC) Program

Army Reserve Officer Training Corps (ROTC) offers Carroll College students the opportunity to serve as a Commissioned Officer in the U.S. Army, the Army National Guard, or the U.S. Army Reserve upon graduation from College. ROTC enhances a student's education by providing unique leadership and management training, along with practical leadership experiences beyond the usual classroom academics. Students develop many of the qualities basic to success while earning a college degree in their selected major and an Army officer's commission at the same time. Army ROTC can be completed in two or four years, depending on the student's qualifications, through the Basic Course and the Advanced Course.

Basic Military Science

The Basic Military Science courses, usually taken during the freshman and sophomore years, cover such subjects as management principles, national defense, military history, and leadership development. Any student can enroll in Basic Military Science courses. All necessary textbooks, uniforms, and other material for the basic courses are furnished to students at no cost. Students taking basic courses are under no obligation to the military. After completion of the Basic Course, students who have demonstrated the desire and potential to become Army officers, and who meet the physical, moral, and scholastic standards, are eligible to enroll in the Advanced Military Science courses.

Advanced Military Science

The Advanced Military Science Courses are usually taken during the junior and senior years by qualified students (who have taken prerequisite Basic Courses, or the 5-week Leadership Training Course, or are Prior Service

military). Instruction includes organization and management, tactics, military ethics and professionalism, as well as further enhancement in leadership skills. During the summer between the junior and senior year, students attend the ROTC National Advanced Leadership Camp (NALC), a fully paid five-week leadership internship. Each student (cadet) enrolled in the Advanced Course receives a tax-free subsistence allowance of up to \$4,000 per year of attendance.

ROTC Scholarships and Financial Assistance

Four-year and two-year Army ROTC scholarships are offered and awarded on a competitive basis to the most outstanding students who apply. Nursing students can qualify for a variety of scholarships not available to other students. Each student receiving an ROTC scholarship is required to fulfill a military obligation in the Army National Guard, U.S. Army Reserve, or the Active Army, depending on the scholarship type awarded. Each scholarship pays for all college tuition and fees, up to \$300 per semester for textbooks and supplies, and provides a tax-free subsistence allowance of up to \$4,000 per year.

Note: College credit is awarded for Military Science courses, however, only up to 2 credits of MSL 315 will be counted toward the Bachelor of Arts or the Associate of Arts Degree at Carroll College

Study Abroad Programs

Carroll College encourages students to study abroad to enhance their educational experience and to provide an enriching international exchange between individuals, cultures, and ideas from around the world. Carroll believes that students learn about themselves, their host country, and their native land through international experiences.

Students interested in studying during the breaks, a semester or a full year abroad have a wide range of opportunities. Carroll continues to establish new relationships with other colleges and universities around the world.

Carroll's faculty and staff lead credit bearing courses during the fall, winter, spring and summer breaks for students who cannot or do not wish to study abroad for a full year or semester.

Carroll Offers Direct Exchange Programs with the Following Schools:

Kumamoto-Gakuen University, Japan
Cheju National University, Korea

Carroll is pleased to be affiliated with the following study abroad organizations:

The American Institute for Study Abroad (AIFS)
AustraLearn
International Studies Abroad (ISA)
The National University of Ireland, Galway

Through these organizations, Carroll students have many choices for spring, summer, fall and full year study abroad.

For more information, please see our web site: <http://www.carroll.edu/academics/international/abroad/index.cc>, visit the Study Abroad Office in St. Charles, Room 14, send an email to sackeret@carroll.edu or call 406-447-4469.

Pre-Professional Programs

3-2 Engineering: Major in Mathematics

Mr. Terence J. Mullen, Advisor

A student who completes the requirements for the 3-2 Engineering Major in Mathematics earns two degrees:

1. A Bachelor of Arts degree with a major in mathematics from Carroll College, and

2.A Bachelor of Science degree with a major in a selected field of engineering (e.g., mechanical engineering) from one of the following affiliated engineering schools:

Columbia University, New York, NY
 The University of Notre Dame, South Bend, IN
 The University of Southern California, Los Angeles, CA
 The University of Minnesota, Minneapolis, MN
 Gonzaga University, Spokane, WA
 Montana Tech of the University of Montana, Butte, MT
 Montana State University, Bozeman, MT

Engineering fields, which 3-2 students may select, include the following:

Aerospace Engineering
 Engineering Mechanics
 Chemical Engineering
 Engineering Science
 Civil Engineering
 Geological Engineering
 Computer Engineering
 Geophysical Engineering
 Electrical Engineering
 Industrial Engineering
 Environmental Engineering
 Material Science Engineering
 Mechanical Engineering
 Metallurgical Engineering
 Applied Biology
 Mineral or Mining Engineering
 Applied Chemistry
 Nuclear Science and Engineering
 Applied Geophysics
 Operations Research
 Biological Engineering
 Petroleum Engineering

The purposes of the 3-2 program are to provide the student with a traditional engineering education augmented with a strong liberal arts background and to provide a broader and deeper exposure to mathematics and its applications than would ordinarily be possible in a four year engineering program.

Under the 3-2 program, a student attends Carroll College for three years and then selects and transfers to one of seven affiliated engineering schools for two years of study. Upon successful completion of the five-year program, the student receives a Bachelor of Arts degree with a major in mathematics from Carroll College and a Bachelor of Science degree with a selected engineering major from the engineering school.

Carroll College continually reviews its curriculum with the seven affiliated schools to ensure that 3-2 students can complete any of the engineering majors in the five-year program.

A program to prepare students for graduate studies in engineering is also offered via the mathematics major with a cognate concentration in engineering.

A student in the 3-2 engineering program will be accepted at any one of the seven engineering schools on the written recommendation of the engineering program faculty. Before a student will be considered for a recommendation, at least a 2.60 cumulative grade average and a 2.60 average in the "Major Program Requirements" and in the "Other Program Requirements" must be achieved by the end of the fifth semester at Carroll College.

See 3-2 Engineering: Major in mathematics under the Department of Mathematics Engineering and Computer Science.

Pre-Medical and Pre-Dental Programs

Dr. Sam Alvey, Advisor

Admission to medical or dental school requires completion of courses in biology, chemistry, physics, mathematic, and English. While most premedical students graduate from Carroll College with a degree in biology, the choice of a major field of study is left open to the student. The following are recommended minimum requirements:

BI 171-172	Biological Principles I & II
BI 221	Cell Biology
BI 300	Genetics
CH 101-102	General Chemistry
CH 301-302	Organic Chemistry
CH 353	Biochemistry
PHYS 201-202	Physics I & II
MA 121-122	Differential and Integral Calculus
MA 207	Elementary Statistics

In almost all cases, students enter medical or dental school after completing a four-year undergraduate program. Occasionally, highly qualified students enter after three years. A student who enters medical or dental school **after three years of undergraduate study** may receive the Bachelor of Arts degree with a major in biology from Carroll College under the following conditions.

1. Successful completion of the first three (3) years of course work in the major program.
2. Fulfillment of all Carroll College Core Curriculum requirements.
3. Successful completion of the first two (2) years of professional school; and
4. Application for degree and receipt by the Registrar's Office of an official transcript from the professional school.

Pre-Law Program

Mr. Dennis Wiedmann, Advisor

Accredited law schools require the bachelor's degree for admission, yet rarely do they specify a particular major field of study. Law schools are particularly interested in applicants who have had broad exposure to the humanities and social sciences and have proven ability for cogent written and oral expression. Degrees in English, history, political science, philosophy, sociology, mathematics, accounting, economics, business, and other areas are suitable for the pre-law student. Students interested in law school are urged to become familiar with the requirements of the specific schools to which they plan to apply. Carroll College has a pre-law speaker series and a legal internship program in the Department of Political Science, both of which enable the student to become well-acquainted with the legal profession. The Department of Political Science offers a one-credit pass/fail course, PO 201, designed to expose potential law students to various aspects of the profession.

Also available to students considering legal careers is the Carroll College Pre-Law Handbook, a short guide to prepare for the study of law and law school admissions processes.

Pre-Optometry Program

Dr. Marilyn Schendel, Advisor

Admission requirements for doctor of optometry programs vary from program to program and students should check individual web sites for specific information. General requirements include calculus, statistics, organic chemistry, anatomy, physiology, microbiology and psychology. Carroll students often major in either biology or chemistry since many of the course requirements coincide with these majors. However a science degree is not required.

Pre-Pharmacy Program

Dr. Kyle Strode, Advisor

Pharmacy programs usually consist of a two-year pre-pharmacy program followed by four years of pharmacy school. Beginning in 2001, all pharmacy schools in the U.S. began granting only pharmacy doctoral degrees. A typi-

cal pre-pharmacy student at Carroll would take the courses listed below to meet the pharmacy prerequisites for the University of Montana, with which we maintain a close relationship. Other pharmacy schools might require additional coursework prior to admission (listed below). Most Carroll students complete the pre-pharmacy requirements in two years and then transfer to a college of pharmacy so they do not have to fulfill actual major requirements.

Recommended minimum requirements:

LAS 101	Alpha Seminar
BI 171-172	Biological Principles I and II
BI 221	Cell Biology
CH 101-102	General Chemistry I and II
CH 301-302	Organic Chemistry I and II
MA 121	Calculus I
MA 207	Elementary Statistics
ENWR 102	College Composition
COMM 101	Basic Communication
PSY 105	General Psychology
or SOC 101	General Sociology
ECON 201	Microeconomics
PHYS 101	Elements of Physics

Some programs may require the following additional courses:

BI 201-202	Human Anatomy and Physiology
BI 214	Microbiology
CH 353	Biochemistry

Pre-Physical Therapy Program

Dr. Jacqueline Brehe, Advisor

Although students interested in physical therapy may select any major, the following are the most frequently chosen: Psychology, Sociology, Health and Physical Education, and Biology. *Students who choose to major in Biology may need to spend extra time in college to complete all major requirements and all physical therapy requirements as well.*

Strong academic performance is considered paramount; the degree emphasis is secondary. Although many schools list an overall minimum GPA of 3.0 for admission, to be competitive a GPA of at least 3.5 is needed. The prerequisite GPA is usually higher.

Applicants to schools of physical therapy must demonstrate an understanding of the profession they wish to enter. Programs typically require a minimum of 80-100 hours of full or part time experience (volunteer or salaried) under the supervision of a certified physical therapist. Usually two or more settings are stipulated with acute care often being recommended as one of the settings.

Schools of physical therapy vary somewhat in their admission requirements. Therefore, it is highly recommended that students contact the particular physical therapy schools to which they wish to apply to gain a thorough understanding of the prerequisites so that their academic programs at Carroll can be planned to accommodate any changes to the recommendations listed below. It is advisable that the selection of physical therapy schools to which the students intend to apply be done early in the students' academic careers so there is time to make accommodations.

Carroll College recommends the following courses for those preparing to enter a physical therapy program. *These represent minimum requirements for most schools (Additional courses may be necessary depending on the school of physical therapy selected by the student. For example, the University of Montana requires Human Anatomy and Physiology, a course in microbiology, an additional advanced biology course and an exercise physiology course, but does not require general biology.)*

Biology (3 courses):

BI 171	Biological Principles I (some schools require a second general biology course)
BI 201-202	Human Anatomy and Physiology

Chemistry (2 courses):

CH 101-102	General Chemistry
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Physics (2 courses):

PHYS 201-202	Physics I and II
or PHYS 205-206	Engineering Physics I and II

Math (2 courses):

MA 117	Difference Equations and Linear Algebra
or MA 121	Differential Calculus
MA 207	Statistics

Psychology (2 courses):

PSY 105	General Psychology
PSY 203	Developmental Psychology
or PSY 306	Abnormal Psychology

Other Requirements: Computer literacy is assumed. Students may be asked to provide documentation of their proficiency. Certification in Advanced First Aid and CPR is required by most schools. Communication and English composition prerequisites are included in Carroll Core requirements. A small number of schools allow courses in Comparative Anatomy and Vertebrate Physiology to substitute for Human Anatomy and Physiology. *Revised 1/2006*

Pre-Physician's Assistant Program

Dr. Jacqueline Brehe, Advisor

There is a great diversity in the requirements for admission to Physician Assistant programs and the student is advised to check individual web-sites for specific information. Generally, 1000-2000 hours of direct patient care is required as is human anatomy, microbiology and chemistry. A science major is not required.

Pre-Veterinary Program

Dr. Marilyn Schendel, Advisor

Students interested in veterinary medicine should take a core of science courses that are required for admission. Each professional school will have its own set of pre-admission courses but a general course of study would include:

2 semesters	Intro Biology
1 semester	Biochemistry
2 semesters	Gen Chemistry
1 semester	Genetics
2 semesters	Org Chemistry
1 semester	Physics
1 semester	Statistics

English composition, communications and other courses outside of the sciences

Additional Biology courses may be required or recommend

Students should check individual websites for specific information on admission requirements.

Most Carroll students major in either biology or chemistry since the course requirements coincide with these majors. However a science degree is not required. In fact the applicant can be accepted before completion of an undergraduate degree, but students are advised to pursue a specific major.



Carroll Course Descriptions

MONTANA

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Common Terms and Course Numbers

Credit: The unit of academic credit at Carroll College is the semester credit.

Course Number: Each course is identified by a prefix of letters, which refers to its department or discipline, and by 3 numerals which indicate its level, and often its sequence, in the department's set of courses. Courses that apply toward a degree are numbered from 100-499. The courses numbered 100-299 are lower-division courses and are generally intended for freshmen and sophomore students. Course numbers 300-499 are upper-division courses, generally for junior and senior students.

CORE: Refers to the Carroll College Core Curriculum common to all degree programs at Carroll College.

Common Course Numbers: Each department uses its own prefix with a number common to all departments:

425 Internships: Credits are arranged

A number of departments offer internship programs most with a 425 course number although a few departments use a different course number. Internships are unpaid educational experiences open to junior and seniors.

485 Independent Study: Credits are arranged

Independent study is held under the direction of the faculty members of the appropriate department. It may include laboratory/library research, extensive reading, and reports. Offered annually to juniors and seniors having a grade point average of at least 3.0; requires the consent of department chairperson and the Vice President for Academic Affairs.

487 Cooperative Education: Credits are arranged

Juniors and seniors may participate in work-and-study arrangements. The specifics of each program are arranged with departments, academic advisors, workplace supervisors, and the Vice President for Academic Affairs.

289/389/489 Special Topics: Credits are arranged

Special topics include ad-hoc courses on various selected topics; not part of the regular program. These offerings will be announced in advance and will be offered at the discretion of each department.

499 Honors Thesis: Credits are arranged

In order to graduate with honors from the College, a student is required to complete the honors thesis.

CLASS CANCELLATION

The College reserves the right to withdraw courses lacking sufficient enrollment.

AN: Courses In Anthropology

Department of Sociology & Anthropology

AN/SO 204 Cultural Anthropology 3 Cr

An analysis of the nature of culture and society and a survey of the range of cultural phenomena with emphasis placed on social structures and the dynamic interrelationship existing between the various social institutions offered even years. Fall semester. Fulfills global diversity requirement.

AN/SO 208 The Family 3 Cr

An anthropological and sociological investigation of the marriage and family institutions in various cultures and their influences upon both individuals and social organizations. Analysis of family communications; one's choices in relationships; parenting; life transitions; and the roles of gender, property, power, and love in marriage and family. Prerequisite: SO 101 or consent of instructor. Odd year, Fall semester. Fulfills National Diversity requirement.

AN/SO 218 Introduction to Native American Studies 3 Cr

An overview of American Indian histories, cultures, religions, and philosophies. The course examines the continuity between traditional and contemporary ways of life, Native American education, and American Indians in Montana. Every semester. Fulfills national diversity requirements.

AN/SO 317 Ethnic and Racial Relations 3 Cr

An anthropological and sociological examination of ethnic and racial relations within and between different socio-cultural groups, including an analysis of ethnic differences and the various patterns of individual, social, social psychological, and cultural relationships. Prerequisite: SO 101. Offered even year Spring. Fulfills National Diversity requirement.

AN/SO 318 American Indians 3 Cr

An in-depth examination of selected Native American groups, cultural areas, and contemporary issues, such as Tribal Law, Federal and State legal issues including water, hunting and fishing rights, or Native American spirituality. Prerequisite AN/SO 204 or AN/SO 218. Odd year, Spring semester. Fulfills global diversity requirement.

ART: Courses in Visual Arts

Department of Fine Arts

Studio Class Schedule

Class hours vary, with minimum of 6 hours of laboratory/studio work to be arranged.

Note: Most of the studio art courses carry a fee for supplies and equipment needs. The course fees do not cover all expenses involved in visual art courses. Studio courses are not available for audit.

ART 100 Art at the Holter Museum 1-3 Cr.

An opportunity to participate in art classes and workshops at the Holter Museum for *elective* college credit (pass/fail only). Students are required to obtain approval from the supervising art faculty before enrolling. All museum tuition costs and other expenses are the student's responsibility. Fall and Spring semesters.

ART 110 Art Appreciation 3 Cr.

A survey of the major styles of art and architecture from ancient to contemporary. Spring semester.

ART 112 Drawing 3 Cr.

A studio course in basic drawing. Emphasis on visual thought and awareness through drawing exercises and portraits. See Studio Class Schedule. Each semester.

ART 114 Photography I 3 Cr.

Brief history of the camera and photographic techniques. Introduction to the modern single lens reflex camera with studio and laboratory work. Emphasis on composition, developing, and printing techniques. Work in 35 mm film (transparencies, black and white negatives, and black and white prints). Note: This class requires students to have a manual 35mm camera. See Studio Class Schedule. Each semester.

ART 115 Ceramics with Visiting Bray Artist 3 Cr.

A new Bray Resident Artist will be selected to teach this introductory level course in ceramics each fall. It will include various forming methods, decorating, glazing, and firing. This course will take advantage of the different kinds of kilns available at the Bray for the final firing of students' work. Class will meet two nights per week for 2 hours. Students should be prepared for some travel to

the Archie Bray Foundation over the course of the semester. No prerequisites. Fall semester.

ART 116 Ceramics I 3 Cr.

An introduction to ceramic materials, processes, and techniques. This is a studio course emphasizing wheel-forming methods and varied decorating and glazing techniques. See Studio Class Schedule. Each semester.

ART 117 Intermediate Ceramics 1-3 cr.

This is an intermediate course for those who have taken ART 115 or 116. Continuing study of all aspects of ceramics is the primary focus. Students are required to determine specific projects to pursue. Credit will vary from 1 to 3 by individual contract. This class may be taken more than once for a total of no more than 6 credits. Each semester. Prerequisite: VA 115 or 116.

ART 200 Ceramics Practicum 1 Cr.

Students can earn one credit by participating in ceramics. A minimum of 30 hours of participation is required for each hour of credit. The student will be given specific training and assignments in the technical operation of a ceramics studio. Students may earn a total of 3 credits in 3 separate semesters. Prerequisites: ART 114 or 116 and consent of instructor.

ART 201 Acrylic Painting 3 Cr.

An introduction to methods of painting with acrylics. Emphasis on composition, color theory, and technique. Demonstrations in transparent and opaque techniques with a variety of subject matter are included. Experience in drawing and/or design is highly recommended. See Studio Class Schedule. Spring semester.

ART 206 Watercolor Painting 3 Cr.

An introduction to methods of painting with transparent watercolors. Emphasis on composition, color theory, and concept. Demonstrations in a variety of techniques with a variety of subject matter are included. Experience in drawing and/or design is highly recommended. See Studio Class Schedule. Fall semester.

ART 490 Art Internship 1-3 Cr.

A practical learning experience arranged with various art-related businesses and institutions in the community. Requirements for credit will be established by contract form at registration. Approval of the department chairperson, academic advisor, and Vice President for Academic Affairs is required. Prerequisite: Consent of instructor.

AS: Course in Astronomy

Department of Natural Science

AS 102 Astronomy 3 Cr

An introduction to astronomy for the non-science major. This course satisfies the CORE requirement for a lab course in natural sciences. The course begins with an historical development of astronomy and a qualitative account of relevant principles of science. Topics include the tools of astronomy, the solar system, stars and stellar evolution, the Milky Way, extragalactic astronomy, cosmology, and life in the universe. Two one-hour lectures and one two-hour laboratory per week. Spring semester.

BA: Courses in Business and Accounting

Department of Business, Accounting, and Economics

BA 100 Introduction to Business 3 Cr

This course is designed for the student with little or no experience in business and its related fields. This course helps the student to

build the necessary understanding of the myriad of business terms that exist today. Topics covered include management, marketing, capitalism, computers, accounting, finance, ethics, and international business. No prerequisite. Fall semester.

BA 203-204 Principles of Accounting I and II 6 Cr

Introductory courses dealing with the principles of recording, analyzing, and communicating information about the economic activities of organizations. First semester includes preparation and interpretation of general purpose financial statements, e.g., income statement, balance sheet, and statement of cash flow. Second semester covers interpretation of information relevant to managerial decisions, e.g., pricing, budgeting, and capital investments. MA 117 recommended. Offered fall and spring.

BA 301-302 Business Law I and II 6 Cr

An introduction to the study of law designed to acquaint the student with the legal controls under which modern business is conducted. The course covers the law of contracts and agency, bailments, sales, negotiable instruments, partnerships, and corporations. Prerequisite: Junior standing. Offered annually.

BA 303-304 Intermediate Financial Accounting I and II 6 Cr

Course emphasis is on accounting theory and concepts, as well as analysis of the problems that arise in applying these underlying concepts to financial accounting. Attention is focused on the use of accounting information as a basis for decision making by management, stockholders, creditors, and other users of financial statements and accounting reports. Prerequisite: BA 203-204. Offered annually.

BA 306 Marketing 3 Cr

An introduction to marketing and management decision making in the pricing, promotion, and distribution of products. Consideration of the behavioral, legal, ethical, competitive, and economic environments as they affect decisions in domestic and international business organizations. Fall semester.

BA 307 Investment Strategies 3 Cr

Individual stock selection, when to buy, when to sell, market timing (fundamentals vs. technical vs. psychological vs. contrarian approaches), the economy, and the stock market. Portfolio analysis via stocks, bonds, treasuries, CDs, money market funds, mutual funds, options, real estate, and precious metals. Summer session only.

BA 310 Governmental & Not-for-Profit Accounting 3 Cr

A study of fund accounting as used by various governmental units and other non-profit organizations. Prerequisite: BA 203-204. Spring semester.

BA 311 Individual Federal Taxation 3 Cr

A basic course in income taxation of individuals. Common aspects of typical 1040 tax returns considered. Taught first 3/4 of semester. Students interested in taking the CPA exam should also take BA 312 concurrently. Fall semester.

BA 312 Federal Taxation: Corporate and Partnership 1 Cr

This course is taught the last quarter of the semester following BA 311 and covers aspects of corporate and partnership taxation. Recommended for those interested in taking the CPA exam. Fall semester.

BA 313 Managerial Finance 3 Cr

A consideration of financial concepts as applicable to modern firms. Topics include cash flow, financial ratios, the time value of money, the cost of capital, capital budgeting, the income tax environment, and aspects of long-term financing with leases, bonds, preferred stocks, and common stocks. Prerequisites: BA 203-204; MA 117. Fall semester.

BA 314 Advanced Financial Analysis and Planning 3 Cr
Examines variables relevant to financial problems. Develops skills, techniques, and judgment necessary to make financial decisions. Continuation of BA 313 Managerial Finance. Prerequisite: BA 313. Spring semester.

BA 315 Cost Accounting 3 Cr
A consideration of those principles relating to the accounting systems used by manufacturing concerns. The job-order cost system, the standard cost system, and process cost systems are studied together with selected managerial accounting principles such as relevant costs. Prerequisites: BA 203-204. Fall semester.

BA 316 Cost Accounting II 3 Cr
A continuation of BA 315, the course extends coverage of managerial and cost accounting concepts as they are applied in planning, pricing products, and controlling business firms' activities. Prerequisite: BA 315. Offered at discretion of department.

BA 318 Personal Finance 3 Cr
Designed to help the student plan the handling of finances in everyday business transactions. Topics included are budgeting, credit, savings, insurance, income tax, investment, and estate planning. Summer session only.

BA 320 Market Research 3 Cr
This course deals with the gathering of information and knowledge to help managers and marketers make better decisions. This course will introduce the student to the research process and various methods for collecting and analyzing data to solve marketing problems. Prerequisite: BA 306. Spring semester.

BA 322 Consumer Behavior 3 Cr
This course focuses on the understanding of consumer behavior, how and why buyers make purchase decisions, how they think, feel, and act before, during and after the purchase. Discussion will deal with the influences that affect these behaviors and how the firm can make decisions about the 4Ps that will ultimately lead to the consumer's purchase. Prerequisite: BA 306. Spring semester.

BA 324 Marketing Communication & Promotion 3 Cr
This course is developed around how to think about, critically evaluate and ultimately manage various forms of marketing communications based not only on their individual roles in the process of communication but also on their overall alignment with the company's integrated marketing communication program. Prerequisite: BA 306. Spring semester.

BA 326 New Product Development 3 Cr
This course focuses on the sequence of events that take place starting with the original idea for a new product/service to actual commercialization. It emphasizes the understanding of the various "stages" of development that any new product must pass, and the various activities each functional area of the firm must contribute, in order to have a successful product launch. Prerequisite: BA 360. Summer only.

**BA 360 Accounting & Finance
Information Systems 3 Cr**
This course will acquaint students with accounting and finance software packages and the potential uses of computer applications in accounting or finance situations. Students will complete a variety of accounting problems using computers. Prerequisites: BA 203-204. Summer session only. Class may be taken for credit two times.

BA 365 Advanced Spreadsheet Applications 3 Cr
This course is designed to assist students in the development of

proficiency in using spreadsheet software such as Excel for making business decisions. Students will build templates for analyzing a variety of business problems.

This course may be used to satisfy the computer applications requirement in the Business major or may be used to satisfy one of the requirements in the Finance emphasis in the Business major. A student may not double count this course to fulfill both requirements. Summer session only.

BA 375 Fundamentals of Management 3 Cr
An introduction to effective management practices, including planning, staffing, organizing, leading, and controlling organizational functions. Fall semester.

BA 377 Small Business Management 3 Cr
This course is designed to develop the student's understanding of the economic and social environment with which the small firm functions and the influence this has on decision making. Offered Summer Session.

BA 378 Real Estate Principles 4 Cr
This course is structured to give the student a thorough understanding of the basic concepts of real estate, including law and ethics, financing, valuation, and mathematics. This course meets Montana's 60-hour requirement for licensure. Summer session only.

BA 380 E-Commerce 3 credits
This course is designed to expose students to the multi-faceted aspects of electronic commerce. The course will integrate the different business disciplines found in electronic commerce such as accounting, finance, marketing, law, and management. Students will develop skills in analyzing and formulating electronic business solutions. Issues in security, risk management, control, technology and regulations will be explored. Summer session only.

BA 392 International Business 3 Cr
This course is intended as the student's introductory course in international business. Topics included will be how managers deal with the international monetary system, as well as the various environments, organizations, and uncontrollable factors that make up the foreign environments. It will also deal with these factors' impact on the business and the functions of management. Prerequisites: EC 201 and BA 375. Spring semester. Fulfills global diversity requirement and writing intensive requirement.

BA 395 Study Abroad 3-6 Cr
This course entails traveling abroad to a designated country or countries. The class will help the student explore in order to understand business practices as well as the culture, religion, geography and social practices of the foreign country(ies); all necessary prerequisites in the understanding of international business. The length of the trip will determine credit. Prerequisite: Junior or Senior standing or permission of the instructor. Fulfills global diversity requirement.

BA 401 International Marketing 3 Cr
This course continues where the principles of marketing and international business leave off and addresses global issues and describes concepts relevant to all international marketers. Emphasis is on the strategic implications of competition in different country markets. This environmental/cultural approach permits a truly global concentration where one is not limited to any specific nation or singular way of doing business. Prerequisite: BA 306. Fall semester.

BA 405 Auditing 3 Cr
Designed to achieve a balance between a conceptual consideration of the environment and philosophy of auditing and an understand-

able presentation of auditing techniques and procedures. Prerequisites: BA 303-304 and MA 207. Fall semester.

BA 406 Auditing II 3 Cr

A continuation of BA 405, the course extends coverage of financial and operating auditing philosophies and techniques. An audit simulation is a central part of the course. Prerequisite: BA 405. Spring semester. Fulfills Writing Intensive requirement.

BA 407 Advanced Accounting 3 Cr

Accounting principles applicable to partnerships, branches, and consolidated financial statements. Prerequisites: BA 303-304. Spring semester.

BA 408 Human Resource Management 3 Cr

This course deals with the functions of the human resource office. Topics include but are not limited to compensation administration, wage and salary administration, legal constraints, policies and procedures, and collective bargaining. While theory is discussed, emphasis is on practical application. Prerequisite: BA 375 or consent of instructor. Spring semester.

BA 409 Operations Research 3 Cr

Emphasis is placed on teaching useful techniques to solve contemporary business, economics, and/or public administration problems. Probability distributions, multiple regression, and correlation analysis are applied to issues confronting private and public decision-makers. A course project focuses on these real-life applications. Prerequisites: EC 201-202; MA 117; MA 207. Spring semester.

BA 410 Business Policy 3 Cr

Capstone course for business majors. Students apply the lessons learned from courses in accounting, business, and economics to contemporary problems in business. Analysis includes tools and techniques learned in the business curricula. Investigation of issues is accomplished in a case approach context. Contemporary business readings are used. Prerequisites: All core business courses and senior standing. Spring semester.

BA 411 Investment Management 3 Cr

A study of the basic concepts of investing. Topics covered include the stock and bond markets, commodities, options, money market funds, and mutual funds. An analysis of investment strategies and portfolio management as they apply to both the small and large investor. Prerequisite: BA 313 recommended. Fall semester.

BA 413 Organizational Behavior 3 Cr

Allows student to gain insight and knowledge concerning the behavior of individuals and groups in organizational settings in order to predict likely future behavior and aid in the accomplishment of organizational goals. Fall semester.

BA 417 CPA/CMA Review 3 Cr

Designed to prepare individuals for the uniform CPA and CMA professional examinations. Spring semester. See instructor for the course dates. Offered pass/fail.

BI: Courses in Biology

Department of Natural Sciences

BI 101 Life Science 4 Cr

An introduction to the fundamental principles common to all living organisms. Presents basic biological principles at the organismal level including structure and function, evolution, and ecology. A course for non-biology majors. Three lectures and one three-hour laboratory per week. Fall semester.

BI 102 Human Biology 4 Cr

An introduction to the fundamental principles common to all living organisms. Presents basic biological principles using human systems as a study model including cell biology, genetics, and physiology. A course for non-biology majors. Three lectures and one 3-hour laboratory per week. BI 102 may be taken without BI 101. One-semester course, offered both semesters.

BI 171 Biological Principles I 4 Cr

An introductory course focusing upon fundamental biological concepts and methods for students planning to major in biology or for students needing to satisfy a professional school requirement in biology. This course, the first in a two semester series, focuses on the biological principles of evolution and speciation, a survey of biological diversity (excluding animals), and the study of plant form and function. This course provides a foundation for more advanced courses in the biology major's program and is a prerequisite for all other courses in the program. Particular emphasis in the course is placed upon the evaluation, analysis, and synthesis of information. Three lectures and one 3-hour laboratory per week. Prerequisites: High school biology and chemistry. Offered annually. Fall semester.

BI 172 Biological Principles II 4 Cr

An introductory course focusing upon fundamental biological concepts and methods for students planning to major in biology or for students needing to satisfy a professional school requirement in biology. This course, the second in a two semester series, focuses on the study of animal form and function, zoology and ecology. This course provides a foundation for more advanced courses in the biology major's program and is a prerequisite for all other courses in the program. Particular emphasis in the course is placed upon evaluation, analysis, and synthesis of information. Three lectures and one 3-hour laboratory per week. Prerequisites: BI 171. Offered annually. Spring semester.

BI 201-202 Intro. to Human Anatomy & Physiology 8 Cr

A study of the morphology and physiology of the human body, both from a normal and pathological viewpoint. Three lectures and one two and one-half hour laboratory per week for 2 semesters. Prerequisite for BI 202 is BI 201 or consent of the instructor. Offered annually. BI 201 Fall semester, BI 202 Spring semester.

BI 306 Plant Biology 4 Cr

An introductory course focusing on the evolutionary history of plants, plant anatomy, and physiology. The laboratory exercises are diverse and emphasize recognizing reproductive and anatomical differences among major plant taxa (from algae to flowering plants), learning how to identify seed plants (gymnosperms and angiosperms) to the family level, and physiological experiments. Prerequisite: BI 300. Three 50-minute lectures per week and one 3-hour laboratory per week. Fall semester.

BI 311 Ecology 4 Cr

An introductory course focusing on the basic principles of the interactions and relationships among organisms and between organisms and their environment. The laboratory includes field observations, computer simulations, and statistical analysis of experimental data. Prerequisites: BI 300. Three lectures and one 3-hour laboratory per week. Fall semester. May fulfill writing intensive requirement. (Enrollment limited.)

BI 214 General Microbiology 4 Cr

An introductory study of microorganisms for allied health professionals (this course does not satisfy requirements of the biology

major). Course includes history, taxonomy and nomenclature, morphology, physiology, nutrition, cultivation, ecology, genetics, immunity, and the roles of micro-organisms in disease and agriculture. Emphasis is on bacteria. Standard microbial methods and techniques are learned in the laboratory. Three 50-minute lectures and 2 90-minute laboratories per week. Prerequisites: At least one year of college chemistry and one semester of college biology. Spring semester.

BI 221 Cell Biology 4 Cr

The third in a four-course core sequence in biology. This course focuses on the cell as the basic unit of structure and function in living things. Topics include cellular organization, the structures and functions of cellular organelles and the cytoskeleton, energy transformations, communication between cells, and the cell cycle. Methods used to study cells and their component parts will be introduced in the laboratory portion of the course. As with the other courses in the core sequence, the evaluation, analysis, and synthesis of information is emphasized. Three lectures and one 3-hour laboratory per week. Prerequisites: BI 171-172 and CH 101-102. Offered annually. Fall semester.

BI 323 Comparative Anatomy 4 Cr

A comparative study of the evolution of the anatomical structures of vertebrates. The course will emphasize the basic structures of vertebrates, the functional role of anatomical structures, and the adaptive changes that have occurred in vertebrate evolution. Three lectures and one 3-hour laboratory per week. Prerequisites: BI 300. Spring semester.

BI 300 Genetics 4 Cr

A study of the principles of inheritance at the organismal, molecular, and population level. Topics include transmission mechanisms, linkage, DNA replication and expression, genetic control and population genetics. The laboratory will include an introduction to current molecular genetics techniques. Both lecture and lab will emphasize problem solving and experimental data analysis. Three lectures and one 3-hour laboratory period per week. Prerequisites: BI 300. Offered annually. Spring Semester.

BI 305 Microbiology 4 Cr

An introduction to the biology of the prokaryotes (bacteria and archaea) and the animal viruses. Course topics include bacterial cell structure, nutrition and metabolism, growth, genetics, traditional and molecular systematics, ecology of microorganisms, genetic engineering and biotechnology, antimicrobial agents, host parasite interactions, and major infectious diseases. Current methods in bacteriology are used in the identification of bacteria and the conducting of experiments. Prerequisite: BI 300. Fall semester.

BI 307 Animal Physiology 4 Cr

A study of the vertebrate organ systems which are most intimately involved in maintaining homeostasis: Nervous, Endocrine, Cardiovascular, Respiratory and Excretory. Regulation and integration of the systems will be emphasized. Individual study of assigned journal articles which complement the lecture material constitutes a major part of the learning experience. The laboratory offers the student experience using a variety of preparations and instrumentation. Three lectures and one 3-hour laboratory period per week. Prerequisites: BI 300. Spring semester.

BI 350 Developmental Biology 4 Cr

A course concerned with the mechanisms of early development in animals. The molecular and cellular processes affecting differentiation, growth, and morphogenesis are emphasized. The laboratory includes experimental work and the study of anatomical changes

occurring in vertebrate embryos. Three (3) lectures and one three-hour laboratory per week. Prerequisites: BI 161-162 (BI 302 Genetics is recommended). Spring semester.

BI 370 Evolutionary Analysis 4Cr

This course explores the underlying principles of evolutionary change (natural selection, genetic drift, mutation, and gene flow) from an analytical perspective. The relevance of evolutionary change to real-world concerns is emphasized while traditional and modern methods of analysis are explored and evaluated. Three 50-minute lectures and one 2-hour discussion or computer exercise per week. Prerequisites: BI 300. Spring semester.

BI 420 Topics In Biological Sciences 2 Cr

A course that explores selected advanced topics in biology, usually in a lecture-discussion format. Fundamental themes in biology (for example evolution, anatomical structure and function, molecular systems) will be explored from the perspective of specific sub-disciplines (ecology, microbiology, genetics, cell biology, plant biology, animal physiology). The focus of each section will be determined by the individual instructor. Sections share the common requirements of critical reading of the primary literature, evaluation of information, discussion, and extensive writing. Two lectures/discussions per week. Prerequisites: BI 171-172 plus 2 additional biology courses or consent of the Instructor. See schedule listing for additional prerequisites. Offered annually, both semesters (topics vary; see schedule). Fulfills writing intensive requirement.

BI/CH 477 Honors Thesis Writing 1 Cr

This course is intended to guide students through the process of writing an honors thesis based upon data the student have collected. The course consists of weekly meetings during which the parts of the thesis (Introduction and Literature Review, Materials and Methods, Results, and Discussion) will be discussed. Poster and Power Point presentations are covered. By the end of the semester, students will have completed a draft of their theses. One hour lecture/discussion per week. Prerequisite: 3.25 gpa and completion of an honors research project. Required for all students who intend to graduate with honors. Fall semester. Fulfills writing intensive requirement.

BI 496 Senior Seminar 1 Cr

Readings and discussion of significant past and current literature. One hour each week. Prerequisite: BI 300, Senior status. Spring semester.

CH: Courses in Chemistry

Department of Natural Sciences

CH 101-102 General Chemistry 8 Cr

Principles of chemistry for students majoring in science or engineering. First semester topics include stoichiometry, atomic structure, bonding, thermochemistry, and intermolecular forces. Second semester topics include solutions, chemical equilibrium, acid/base chemistry, oxidation/reduction, thermodynamics, kinetics, nuclear chemistry, and coordination compounds. Three lectures and one three-hour laboratory per week. Prerequisite: High school algebra. High school chemistry recommended. Students must receive a "C" or better in CH 101 to enroll in CH 102. Offered annually. CH 101 Fall semester, CH 102 Spring semester.

CH 111 Essentials of Chemistry: General 4 Cr

A one-semester course in the fundamentals of general inorganic chemistry. Principal topics include atomic structure; atomic-molecular description of matter, solutions, and equilibrium; and

basic calculations and measurements. Recommended for general studies students and students in nursing and health information management. Three lectures and one 3-hour laboratory per week. Spring semester.

CH 112 Essentials of Chemistry: Organic and Biochemistry 3 Cr

A one-semester course in the fundamentals of organic chemistry and biochemistry. Principal topics include organic nomenclature; chemistry of functional groups; structures and reactions of fats, carbohydrates, proteins, enzymes, and nucleic acids. Recommended for students in nursing. Three lectures per week; no laboratory. Prerequisite: CH 101-102 or CH 111 or consent of the instructor. Students must receive a "C" or better in the prerequisite to enroll in CH112. Fall semester.

CH 205 Quantitative Analysis 4 Cr

A detailed study of chemical equilibria and the classical methods of chemical analysis. Solubility, acid-base reactions, oxidation-reduction chemistry, complexometric reactions, phase equilibrium and the interaction of light with matter are studied in the context of analytical techniques, including volumetric analysis, titrimetry, gravimetry, chromatography and spectrophotometry. Basic issues of chemical hygiene are also covered along with experimental error and statistics. The laboratory stresses good laboratory technique through the quantitative analysis of unknown samples by classical and modern methods. Three 50-minute lectures and one 4-hour laboratory per week. Prerequisites: CH 101-102. Spring semester.

CH 301-302 Organic Chemistry 8 Cr

The chemistry of carbon-based compounds. The course will examine the main classes of organic compounds in terms of preparation, structure, physical and spectral properties, methods of functional group transformation, and mechanism of reaction. In the second semester of the laboratory sequence, students will perform an independent organic laboratory project. There will be an emphasis on oral and written scientific communication of the projects results. Three lectures and one 3 1/2-hour laboratory per week. Prerequisite: Grade of "C" or better in CH 102 or consent of instructor. Students must pass CH 301 with a "C" or better to enroll in CH 302. Offered annually. CH 301 Fall semester. CH 302 Spring semester.

CH 306 Instrumental Methods 4 Cr

An examination of modern instrumental methods of chemical analysis from a theoretical and practical standpoint. Students learn the chemical principles that underlie instrument operation and study the functions of instrument components and their organization into chemical measurement systems. An emphasis is placed on the utility and limitations of each instrument. Principal instrumental techniques include atomic and molecular optical spectroscopy, gas and liquid chromatography, mass spectrometry, nuclear magnetic resonance spectroscopy and electrochemical methods. The laboratory provides students with hands-on access to a wide variety of state-of-the-art chemical instrumentation. Three 50-minute lectures and one 3-hour laboratory per week. Prerequisite: CH 205. Fall semester. Fulfills writing intensive requirement.

CH 310 Spectrometric Organic Structure Determination 2 Cr

CH 310 is a seminar-style course where students will learn to read and interpret data produced by chemistry instruments. This course is intended for chemistry majors who are planning to attend graduate school, but others who are interested in how spectrometry is used to determine structure may find this course interesting. The class will meet twice weekly at the designated time. Prerequisite: CH 302.

CH 353 Biochemistry 4 cr.

A study of the chemical principles governing biological macromolecules. Topics include protein structure and function, enzyme mechanisms and kinetics, carbohydrates and lipids, energetics and major metabolic pathways. The laboratory will include both computer simulations and an introduction to current molecular techniques in the field. Both lecture and lab will emphasize problem solving and experimental data analysis. Three lectures and one 4-hour laboratory per week. Prerequisites: CH 301-302, BI 161. Fall semester. Fulfills Writing Intensive requirement.

CH 391-392 Physical Chemistry 8 Cr

Subjects covered are thermodynamics; group theory, statistical mechanics, rates and mechanisms; quantum mechanics; atomic and molecular structure. Lab explores various experimental strategies and techniques of physical chemistry and includes investigations of energetics, molecular structure and reaction dynamics requiring the use of instrumental systems. Two semester course: Three 50 minute lectures and one 3 hour lab per week. Prerequisite: CH 302, MA 233 and PHYS 206. Student must pass prerequisites with a "C" or better to enroll in CH 391-392. Offered annually. CH 391 Fall semester. CH 392 Spring semester.

CH 405 Advanced Inorganic Chemistry 4Cr

A detailed study of current topics in inorganic chemistry, including coordination chemistry, organometallic chemistry, homogeneous catalysis and bioinorganic chemistry. Emphasis will be placed on orbital interactions, reactivity and reaction mechanisms of inorganic molecules. Lab covers synthesis and spectroscopy of inorganic compounds. Prerequisite: CH 205. Three 50 minute lectures and one 3 hour lab per week. Spring semester, even-numbered years.

CH 406 Advanced Organic Chemistry 4 Cr

A study of synthesis and mechanism in organic chemistry. The synthesis section will encompass the study of theory, design and methods of modern organic synthesis. The mechanistic section will include the study of mechanisms and methods of mechanisms and methods of mechanism elucidation. Original papers will be read and analyzed. Oral and written scientific communication will be emphasized. Three lectures per week plus 2 hour seminar. Prerequisite: CH 302. Spring semester, odd-numbered years.

CH/BI 477 Honors Thesis Writing 1 Cr

This course is intended to guide students through the process of writing an honors thesis based upon data the student have collected. The course consists of weekly meetings during which the parts of the thesis (Introduction and Literature Review, Materials and Methods, Results, and Discussion) will be discussed. Poster and Power Point presentations are covered. By the end of the semester, students will have completed a rough draft of their theses. One hour lecture/discussion per week. Required of all students who wish to graduate with honors. Prerequisite: 3.25 gpa and completion of an honors research project. Fall semester.

CH 496 Senior Seminar 1 Cr

Senior seminar is intended for senior chemistry majors in their last semester of study. The focus of the course will be on developing the skills necessary for the effective communication required in a graduate program or a job in chemistry. Students will be required to give professional, polished oral presentations and will practice the skills of scientific writing, with particular emphasis on the style required for publication in a chemical journal. Prerequisite: Senior status. Spring semester.

CLST: Courses in Classical Studies

Department of Languages and Literature

CLST 491 Senior Research Seminar 1 Cr

This course is an independent study that focuses on the development of a research project. As part of this course, students will attend biweekly meetings to discuss their research progress. Seminar sessions supervised by the faculty director. Offered as needed.

CLST 492 Senior Writing Seminar 1 Cr

This course focuses on the completion of the comprehensive paper. The paper must be approved by the faculty supervisor and a second reader. Offered as needed.

CO: Courses in Communication Studies Department of Communication Studies

CO 101 Basic Communication 3 Cr

The study of life-enhancing communication principles such as listening, conflict management, and gender communication. The study of how human beings use verbal and non-verbal symbols to create meaning. Course also includes training in public speaking. Each semester.

CO 108 Desktop Publishing 3 credits

An introduction to desktop publishing. Students learn to use desktop publishing software programs such as PageMaker and Quark Express for production of pamphlets, newsletters and newspapers. Includes training in the fundamental elements of page design. Offered every semester.

CO 111-112 Introduction to Forensics 1-3 Cr

Preparation for intercollegiate forensics competition in individual events and parliamentary debate. Events include extemporaneous, impromptu, after-dinner speaking, persuasion, informative, prose, communication analysis, poetry, duo, dramatic, program oral interpretation and parliamentary debate. Prerequisite: consent of instructor. Each semester.

CO 165 Introduction to TV Production : Script, Picture, and Sound 3 Cr

An introduction to television production that focuses on the principles and processes that tie pictures, sound, and script together. Through critical analysis, the student will understand how messages are successfully crafted, targeted, and delivered in television and film. The student will learn writing skills within the audiovisual context including story structure, narration, and dialogue in broadcast scripts. Course will explore the creative processes involved in different film genre including camera work, lighting, set and costume design, sound design, and editing and how each of these contribute to the persuasion process. Prerequisite: CO 101. Each semester.

CO 206 Small Group Communication 3 Cr

The study of group communication processes. Students will learn group communication theory and then apply that theory through in-class group games and out-of-class group projects. Fall; odd-numbered years. Prerequisite: CO 101.

CO 208 Creative Communication in Education 3 Cr

The study and application of oral communication techniques appropriate for both elementary and secondary teachers. Class includes training in story telling, oral interpretation of literature, and creative dramatics. Spring semester.

CO 210 The Word and the Body 3 Cr

A study of the current theory and research on the relationships between language, non-verbal behavior, and communication in contemporary American society. We will investigate the practices and techniques involving verbal and nonverbal actions employed by interactants in everyday encounters. Prerequisite: Sophomore or higher standing required. Fall semester; odd-numbered years.

CO 211-212/311-312/411-412 Advanced Forensics 1-3 Cr

Preparation for intercollegiate forensics competition in individual events and parliamentary debate. The team competes in the Northwest, the Rocky Mountain region, and at national tournaments. Prerequisite: consent of instructor. Each semester.

CO 215-216 Introduction to Public Relations 6 Cr

A two-semester introduction to the theory and practice of public relations. The first semester focuses on theory and on writing. The second semester focuses on case studies and the design of a public relations campaign for a local organization. Sequence starts fall semester of even-numbered years and continues in the spring.

CO 225 Professional Communication 3 Cr

An advanced course in public speaking with practical career-training emphasis, this course is aimed at preparing students to make polished public presentations. The course will include units on listening, job interviewing, and public speaking for professionals. Prerequisite: CO 101 or consent of instructor. Spring; even-numbered years.

CO 226 Community Assistant Seminar 2 Cr

A course designed for paraprofessionals working in residence halls. By means of readings, professional speakers, and discussions, students will become more effective in performing duties and accepting responsibilities of a resident assistant. Class begins one week before fall semester; does not satisfy CORE communication course.

CO 265 Basic Single Camera Production 3 Cr

This course focuses on camera production. Course will incorporate time in the field shooting videos and time in the editing suite using non-linear editing equipment in addition to classroom discussion and demonstration. Student will assume the role of director and organize a production team and schedule. The student will produce a video program using appropriate video and audio equipment. The will perform direct post-production work including editing picture and sound. Prerequisite: CO 165. Each semester.

CO 279 Writing About Movies 3 Cr

Course is designed to teach a student to recognize and appreciate a good film. Students will watch classic films, read film reviews, and learn how to write film reviews. Prerequisite: CO 101. Fall semesters even-numbered years.

CO 280 Gender Communication 3 Cr

Examination of interactive relationships between gender and communication in contemporary American society. Course will explore ways that communication creates and perpetuates gender roles and how socially created gender roles are enacted in public and private settings. Students will connect research to everyday lives. Prerequisite: Sophomore status absolutely required. Spring; odd-numbered years. Fulfills National Diversity requirement.

CO/ENWR 306 Writing for the Media 3 Cr

Students learn basic elements of journalistic writing for the print media, including news reporting, feature writing, and column writing. Course includes study of libel law, observation of community media, and production of one issue of the school newspaper.

Prerequisite: EN 102 or consent of instructor. Spring semester. Fulfills writing intensive requirement.

CO 308 Communication Ethics 3 Cr

Course seeks to deepen insights into ethical issues arising on all frontiers of communication, ranging from small groups to news media. Students will read case studies of ethical crises and learn to apply philosophical and religious ethical principles to those crises. Prerequisite: Junior standing or consent of instructor. Spring; odd-numbered years.

CO 310 Mass Media 3 Cr

The study of the history and theory of contemporary mass media including radio, television, and print media. Course examines the cultural forces that shape and define mass media as well as the way mass media shapes our culture. Prerequisite: CO 101. Fall, even-numbered years.

CO 320 Organizational Communication 3 Cr

The study of the communication patterns found in organizations. Course includes study of hiring, promotion, firing, and power, as well as a study of organizational dialogue. Prerequisite: Junior standing or consent of instructor. Offered Spring 2004 and then every semester afterwards.

CO 325 Intercultural Communication 3 Cr

The study of the theory and practice of intercultural communication. Students will study topics such as customs, language, non-verbal communication, and time and examine how each affects encounters between people of different cultures. Includes intercultural experiences. Prerequisite: CO 101. Offered even-numbered Fall semesters. Fulfills national diversity requirement.

CO 340 Interpersonal Communication Theory 3 Cr

The study of interpersonal communication from both a personal and theoretical standpoint. Topics include maintenance and termination of platonic, romantic and family relationships as well as attraction, initiation, commitment, intimacy, child-parent communication and destructive behavior. Prerequisite: Sophomore or higher standing required. Spring semester; even-numbered years.

CO 360 Communication and Well-Being 3 Cr

A theoretical and practical examination of how communication affects health and well-being. Students will examine communication issues that have a daily effect on emotional and physical well-being such as empathy, therapeutic listening, and social support. Health care relationships—as presented through videotapes and audio tapes—will be used as case studies. Designed to serve all students, including those seeking careers as health-care professionals. Prerequisite: Junior or higher standing. Fall semester; even-numbered years.

CO 365 Saints TV: Television Production 3 Cr

An application of the structure and aesthetics of message design in film and television. Course is an extension and application of CO 165 and CO 265. It is designed to broaden student exposure to single and multi-camera production procedures and technology in the classroom and in the field. Students will incorporate script, picture, and sound to create television programs for Saints TV. Prerequisite: CO 265. Each semester.

CO 395 Research Methods Seminar 3 Cr

A discussion of selected communication issues associated with researching and reporting about human interaction. The student will investigate the scope, central concepts, and practices of communication research with particular focus upon microanalysis, ethnography, surveys, and experiments. Prerequisite: Junior or

higher standing. This seminar is for junior communication studies majors. Fall semester.

CO 414 Human Communication Theory 3 Cr

A critical study of classical and contemporary communication research. Students analyze contemporary communication case studies through application of models such as Aristotle's Rhetoric, Burke's pentad and Marxist/Feminist theory. Prerequisite: Junior or higher standing. Fall semester; odd-numbered years.

CO 417 Methods of Teaching Speech-Communication 1-3 Cr

Theoretical and applied study of teaching communication and coaching speech. Students will read works on the philosophy of education and will complete a teaching and coaching project. Each semester.

CO 420 Gender and Globalization 3 Cr

This course explores globalization and its socio-economic-cultural impact on gender. Students will identify the political, social, and cultural fault lines created by the concept of globalization. The course will examine issues such as power shifts and a reconfiguration of political power and civil society and changing gender roles within the context of national cultures and the global economy. In addition, the course will also examine the impact of wars, media, and international institutions on the loss of nation state autonomy and borders as well as global and gendered inequality. Offered every fall semester beginning 2009.

CO 425 Communication Career Internship 3 Cr

An option available to the communication major who is preparing for a career in public relations, TV/radio broadcasting, public information, communication consulting, or as a media specialist. The student will intern in an appropriate business, state office, or federal agency in the Helena community for supervised, practical experience in the area of the intended career. This course may be taken more than once. Each semester.

CO 426-427 Prospector Internship 1-3 Cr

Students work on the staff of the Carroll College campus newspaper, The Prospector. Prerequisite: CO/EN 351. Each semester.

CO 495 Senior Practicum: The Graceful Exit 1 credit

A capstone course about life transitions – particularly the graceful exit from college and the humble entrance into a post-college career. Course includes units on selecting and applying to graduate schools, job interviewing, resume writing, web-based job searching and conference call interviews with successful communication and public relations alumni. Fall semester.

CS: Courses in Computer Science

Department of Mathematics, Engineering, and Computer Science

The following courses in Computer Science are those that have been approved by the college curriculum committee. Other computer science courses are also offered prior to approval as a regular course or as a one-time topic of special interest. Due to the nature of this discipline, the course offerings will change on a regular basis. For the most current look at our computer science course offerings, please view the Computer Science information on our web site at <http://www.carroll.edu>.

CS 101 Enhanced Computer Technologies 3 Cr

Of course you have computer skills – you learned them in high school. This course builds on basic computer science knowledge. Communi-

ication is a primary tool in, and after, college. This course is designed to increase competency with technology systems (music and movie software, presentations and graphics, spreadsheets, and other software), as well as address crime, fraud and other social issues. (This course does not count towards the major or minor in computer science.) Weekly lab and class. Offered each semester.

CS 103 Instructional Media and Technology 3 Cr

This course is intended for students seeking teacher certification. Students will develop an understanding of how the microcomputer and other instructional technology can be used to enhance teaching. In addition, students will create audiovisual media and incorporate audiovisual media techniques in lesson and unit planning. No prior knowledge of computers or other technology is assumed. Each semester.

CS 110 Intro. to Computer Science: Java Programming 4 Cr

An introduction to the fundamentals of programming and software development using the object oriented programming language Java. An integrated laboratory provides experience in programming and algorithmic problem-solving. Topics include computing and object-oriented design methodology, Java fundamentals, modifying objects, control constructs, function usage basics and libraries, programmer-defined functions, parameter passing, arrays, the class construct and object-oriented design, event-based programming, and implementing abstract data types. Three one-hour lectures and one 2-hour laboratory per week. Fall semester.

CS 120 Data Structures and Program Design 4 Cr

An introduction to program design, fundamental data structures, and analysis of algorithms. Includes contiguous and linked lists (stacks, queues, and general lists), search and sort techniques, binary trees, tables, hashing, recursion, and graphs. Three one-hour lectures and one 2-hour laboratory per week. Prerequisite: A grade of "C" or better in CS 110. Spring semester.

CS 189 Introduction to GIS (Geographic Information Systems) 3 Cr

The class will introduce the student to the basic concepts and terminology of computer based Geographic Information Systems (GIS). Students will learn about how to use mapping technology to collect, edit, and display information. The class will explore a wide variety of applications as well as the benefits and limitations of display techniques. Disciplines that use GIS include law enforcement, real estate and land use, wildlife and environmental studies, engineering, education, computer science and math, sociology, geography and many others. Students will gain the facility to manipulate and display data and will also describe practical and applied uses and implementations of this technology. No prerequisites. Labs and lectures are combined. \$30 course fee. Offered fall semester.

CS 201 Web Graphics, Animation and Layout 3 Cr

An introduction to the tools and techniques used for graphic design and image manipulation. Students will use an image editing program and Adobe Flash as the primary software tools. Students will also learn principles of image design and animation. The course includes group projects, and extensive hands-on experience in a computer lab. Prerequisite: CS 101 or equivalent experience. Fall semester.

CS 202 Web Coding and Development 3 Cr

An extensive introduction to the fundamentals of XHTML/CSS, web page layout, and web site development using Notepad. Students will learn all of XHTML/CSS plus tips and tricks of making web pages work. The class will also touch on XML, AJAX, Javascript, PHP, and Podcasting. Students will walk away with a full functioning, standards based web site. The course includes lectures, demonstrations, group projects, and extensive hands-on experience in a computer lab. Prereq-

uisite: CS 101 or equivalent experience. Spring semester.

CS 213 Computer Applications in Business 3 Cr

The class familiarizes students with basic concepts in the use of computer applications as management information systems for businesses. It emphasizes database concepts and practices and use of networks as tools of communication and collaboration. Ethics and security are also covered. Hands on projects include using MS Office for presentation, spreadsheet and database applications. Two one-hour lectures and a 1 hour lab each week. Prerequisite: Sophomore standing and CS 101 (or equivalent) or consent of instructor. Offered each semester.

CS 230 Software Engineering 4 Cr

This course addresses the development of large software systems. Problem-solving concepts are integrated with a study of the software development life cycle, including project management, requirements analysis, system design, testing, implementation, and maintenance issues. Students will create an object-oriented team project. Lectures and laboratory each week. Prerequisites: Grades of "C" or better in CS110 and CS120. Fall semester. Fulfills writing intensive requirement.

CS 309 Computer Architecture 4 Cr

An introduction to computer design and implementation by viewing the modern computer as a hierarchy of levels. The digital logic level, the microarchitecture level, the instruction set architecture level, the operating system machine level, and the assembly language level are all discussed. An integrated laboratory applies the concepts studied through the use of an actual assembler or simulation software. Three one-hour lectures and one 2-hour laboratory per week. Spring semester

CS 310 Database Design and Implementation I 4 Cr

Using Oracle, this course concentrates on representing, storing and retrieving data from external storage devices. This course includes software development using Oracle's Forms Builder, Reports Builder and SQL Plus. Three one-hour lectures and one two-hour laboratory per week. Prerequisites: Grade of "C" or better in CS 110. Recommended: CS 120 and CS 230 prior to taking this class. Fall semester.

CS 311 Database II 4 Cr

As a continuation of CS 330. Using Oracle, this course focuses on building a complete project with proper database design, implementation and testing. Three one-hour lectures and one 2-hour laboratory per week. Prerequisites: Grades of "C" or better in CS 330 or instructors permission. Spring semester.

CS 330 Computer Networking I 4 Cr

This is the first in a 2 course sequence on data network transmission technologies. The class covers the OSI and TCP/IP models of communication and IP addressing. Emphasis is on local area network (LAN) designs and technologies like cabling, Ethernet and switching. Basic routing concepts are also covered. Labs involve building and configuring your own networks to generate and observe traffic and network behaviors. The labs use primarily Cisco equipment and track Cisco CCNA certification standards. Prerequisite: Basic computer skills (CS 101 or equivalent) and some knowledge of computer hardware and software or consent of the instructor. Offered fall semester.

CS 331 Computer Networking II 4 Cr

This the second in the 2 course sequence on data network transmission technologies. The class covers advanced routing protocols such as OSPF, IS-IS and BGP as well as supernetting, IPv6 addressing and multicasting. The class also focuses on wide area technologies (WAN) such as T carrier, Sonet, frame-relay, ATM and ISDN.

Labs emphasize building and debugging complex networks and track Cisco CCNP certification content. Prerequisite: CS330, Cisco CCNA certification or consent of the instructor. Offered spring semester.

CS/MA 342 Numerical Computing and Visualization 3 Cr

In this course we study the basic numerical methods used by computers to solve a wide variety of problems, emphasizing how we can use graphics to understand how things work. We focus not just on how these methods work, but when they are appropriate, where they fail, and how to interpret their results. This course is designed around a series of open-ended projects based on real-world problems, such as how to predict the price of heating oil, testing rocket orbital trajectories, and studying the flow of heat throughout a building. The topics we study include least squares regression methods, interpolation, curve fitting, and the numerical solution of a wide range of differential equations (both ODEs and PDEs). Prerequisite: A grade of “C” or better in MA 334, or taken concurrently with MA 334. Spring semester. Fulfills Writing Intensive requirement.

CS/MA 403 Introduction to Modern Cryptography 4 Cr

This course is intended to be an introduction to the essential core areas of modern cryptography. We begin with a look at historical cryptography and then move into more modern concepts. Mathematical background is provided as needed and informal descriptions of the cryptosystems along with more precise pseudo-code descriptions are given. Algorithms and systems will be illustrated with many examples, and their mathematical underpinnings carefully explained. Because of the heavy use of mathematics made in this course (number theory, discrete mathematics, probability, linear algebra and probably some calculus), this course is cross-listed and may be taken either for mathematics or computer science credit. The course is lab-based with each lab illustrating cryptosystems and concepts studied in class. Prerequisites: Grades of “C” or better in MA 131 or MA 122 and MA 328. Fall semester.

CS 410 Operating Systems 3 Cr

This class covers the design and theory of modern computer operating systems. It explores topics such as process management, CPU scheduling, memory management and protection, device management and diversified operating systems. The lab component utilizes open source (Linux or Unix based) systems and Microsoft systems to build and administer common operating systems in a network environment. Recommended: CS120 and CS309 prior to taking this class. Offered fall semester.

CS 421 Computer & Network Security 4 Cr

This course combines knowledge and skills from the 2 computer network classes (CS330 and CS331) with the Operating Systems class (CS410) to build, compromise and secure computer network and server systems. Labs include using Cisco, Microsoft, Linux and Novell systems (switches, routers, workstations and servers) as well as implementing network firewalls. The course also covers security concepts, policies, and risk management as well as hacking techniques and defenses. Prerequisites: Grade of C or better in CS330 and CS410. CS331 is recommended. Offered spring semester.

CS 430 Senior Project 4 Cr

This course will present students with a substantial experience in software engineering. Students will investigate, design, implement, and present a significant software project, working both as individuals and in project teams. Projects will also teach the students about project management concerns. Prerequisites: Grade of “C” or better in CS 310 and senior status. Spring semester.

CS 495 Computer Science Seminar 3 Cr

Various topics not covered in other computer science courses are researched and discussed. Students analyze selected readings on ethics and the integration of technology in business and the world in general as well as work on related projects and/or papers. Students participate in defining and presenting their own content in the class. Normally taken in the last year of residence. Spring semester.

DNC: Courses in Dance

Department of Fine Arts

DNC 128 Dance I: Elements of Dance 3 Cr

This introductory course is designed to provide a foundation for performing dance. Physical training, the study of rhythm, and the incorporation of dance technique into rhythm and movement will be covered. Students will also study the origins of dance and its significance to world cultures. Offered each semester.

DNC 129 Introduction to Basic Ballet 3 Cr

This course introduces students to Classical ballet, which is the base technique of most forms of performance dance. It provides vast benefits to any one who studies it. Some of the physical benefits of ballet are posture, strengthening, stretching, coordination, control, rhythm, balance and fluid motion. In addition to the physical practice of ballet technique, students will learn the history of ballet through time and how ballet exists today and had contributed to other performing arts forms. The course is offered in Fall semester of even-numbered years.

DNC 228 Dance II: Partner Dancing Through the Ages 3 Cr

This course focuses on the most popular social dances of the 20th Century. Students will learn the basics of waltzes, tangos, and other well-known partner dances. An emphasis will be placed on how group dancing performed an important role in socialization. Spring semester.

DNC 328 Choreography 3 Cr

This course provides each student with the opportunity to develop an original concept into the concrete form of dance. A complete overview of developing a dance from conception and research to conflict counterpoint balance and dramatic structure will be covered. Students will cast, rehearse, and present their work in a dance recital. Prerequisite: DNC 128. Fall semester.

EAS: Courses in Earth Sciences

Department of Natural Sciences

EAS 201 Earth Science 4 Cr

A survey of the earth: its interior, landscapes, oceans, and atmosphere. Topics include the principles of uniformitarianism and catastrophism, the dating of past events, the display of information by maps and images, the theories of plate tectonics and evolution, and the Big Bang Hypothesis. Supplemented with laboratory and field studies. Fall semester.

EAS 302 Advanced Earth Science 3 Cr

This course covers advanced topics in earth science. This course will emphasize the the environmental impacts of humans on geological processes and the effects of geological processes on humans. Prerequisite: CH 101, MA 121 or MA 131, EAS 201 and PHYS 201, or permission of the instructor. Offered at the discretion of the department.

EC: Courses in Economics

Department of Business, Accounting, and Economics

EC 106 Survey of Economics 3 Cr

Provides an introduction to contemporary economic issues and accompanying public policies. Topics covered include inflation, deficit, unemployment, interest rates and financial institutions, social security, pollution, prices, and profits of businesses. This course is designed for non-majors. Departmental majors may take the course, but also must complete EC 201-202. Spring semester.

EC 201-202 Principles of Economics 6 Cr

Basic economic principles of individual and business decision making concerning the use of resources and products in the market setting of the U.S. economy. Fundamentals of supply and demand and microeconomics are emphasized first semester. Fundamentals of macroeconomics is the focus of the second semester. Covers role of government and Federal Reserve system in achieving full employment and price stability, international economics, and balance of payment problems. Prerequisite: MA 117. Offered annually; students may begin in either semester.

EC 203 Project Management Economics 3 Cr

This course introduces students to three vital components of project management, each of which contains economic aspects. The three components are financial activities of the project manager, economic analysis, and legal considerations. Examples and case studies will address situations that require decisions having economic implications from project managers in the industrial, commercial, professional, and public sectors. Topics covered include developing project scopes, schedules and budgets, evaluating capital expenditures, considering operational costs, reviewing contracts and specifications, and addressing ethical dilemmas. Three class hours per week. Prerequisites: MA 117 or basic algebra skills, understanding functions, graphing skills. Spring semester.

EC 302 Labor Relations and Public Policy 3 Cr

A balanced approach to labor relations. Topics covered include the evolution of American labor, labor law and public policy, organizing and collective bargaining, wage-benefit and non-wage issues in collective bargaining, contract negotiations, union-management cooperation, contract administration, and special issues in labor relations. Prerequisites: EC 201-202. Fall semester.

EC 304 Public Finance 3 Cr

Study of the impact of government entities on the U.S. economy. Includes principles and methods of taxation; examination of state, local, and federal expenditure patterns; and public sector decision making and administration. Prerequisite: EC 201-202. Offered at discretion of department.

EC 309 Financial Markets and Institutions 3 Cr

Theory of money as a medium of exchange; mechanics of deposit creation, the Federal Reserve system and U.S. financial institutions. Monetary theory of the effect of money on the economy as well as monetary policy tools and applications for stabilizing the economy. Prerequisite: EC 201-202. Fall semester.

EC 315 Managerial Economics 3 Cr

An intensive study of the theory of price in product and resource markets. Special emphasis on application of modern tools of analysis to specific business and public problems. Prerequisite: EC 201-202. Offered at discretion of department.

EC 316 Intermediate Macroeconomics 3 Cr

Analysis of the determinants of the aggregate level of employment,

output, and income of the national economy. Includes an examination of popular theories, business cycles, and stabilization policies. Prerequisite: EC 201-202. Offered at discretion of department.

EC 406 International Economics 3 Cr

A survey of international economic relations. The major concepts covered are comparative advantage, impacts of tariffs, economic integration, exchange rates, and balance of payments. Concepts are analyzed from a policy viewpoint in order to increase awareness of international economic problems. Prerequisite: EC 201-202. Spring semester.

ED: Courses in Education

Department of Education: Health, Physical, and Teacher

ED 102 Foundations of Education 3 Cr

An introductory course for prospective teachers that provides a broad intellectual structure for understanding the nature of the school as a social institution, the teaching profession as a potential career, and themselves as prospective teachers. Students will explore: 1) a variety of social, political, economic, legal, and philosophical variables that have made the American public school what it is today, 2) the connections between historical and contemporary educational issues, and 3) the potential impact of their own temperaments, talents, and motivations, upon their satisfaction and effectiveness as teachers. Students will be introduced to the conceptual framework and the portfolio assessment process that guides teacher education at Carroll College. A twenty(20) hour practicum experience in a public school classroom is required. Each semester. Fulfills writing intensive requirement.

ED 205 Classroom Management 2 Cr

This course is designed to assist the student in developing a knowledge base and skills in the area of classroom management. Both group and individual behavior management techniques will be addressed. Fall semester.

ED 212 Teaching Mathematics in the Elementary School 3 Cr

An inspection of the scope and sequence of the elementary curriculum and possible models for classroom structure, identification of resource materials and teaching aids, and an emphasis on the techniques and methods in teaching problem-solving skills. Each student must make a classroom presentation with emphases on drill and the use of concrete aids to help teach a particular skill from the elementary curriculum. Prerequisite: MA 201-202 (May be taken concurrently). Spring semester.

ED 228 Children's Literature 3 Cr

Students read, listen to, and evaluate a wide variety of fiction and nonfiction literature published for or enjoyed by children. Techniques for teaching literature and using literature in other content areas are discussed and presented. Spring semester.

ED/PSY 229 Educational Psychology 3 Cr

A study of the psychological theories and principles that affect teaching and learning in educational environments. The focus of this course is on the theories and methods associated with the process of learning as well as the application of this knowledge in a variety of classroom environments. Prerequisite: PSY 105 or PSY 227 or PSY 228. Each semester.

ED 245 Diversity Field Experience 1 Cr

This field placement must be in a school setting comprised of a diverse K-8 or 5-12 student population, and be for a minimum of

thirty hours. Students will work with their education advisers to identify appropriate settings and to develop a proposal for the field experience. The proposal must be submitted to the Director of Teacher Education by September 1 for spring semester or by April 1 for fall semester. Prerequisites: Enrolled in a major that leads to teacher licensure and the student's proposal for placement must have been approved. Students are responsible for travel, meals and lodging. Students must attend a placement meeting in the first week of classes as listed in the class schedule. Each semester.

ED 309 Teaching in the Secondary School 3 Cr

This course considers classroom planning, lesson presentation skills, classroom management strategies, and instructional equipment and materials. Twenty hours of exploratory in a public school classroom will be required. Students having had previous public school observations at the fifth or sixth grade level will be assigned observations in the seventh through 12th grade level. Students with no fifth or sixth grade observation must complete their observation at the fifth or sixth grade level. Prerequisites: ED/PSY 229 and admission to the Department of Education: Health, Physical, and Teacher or TESOL program. Fall semester.

ED 312 Elementary Science and Social Studies 4 Cr

A course designed to help the preservice teacher develop a defensible rationale for making curricular and instructional decisions concerning the substance of instruction, techniques of instruction, and evaluation practices as unique to the teaching of elementary social studies and science. This course combines lecture and laboratory in which students will study science and social studies curricula, the planning and design of hands-on activities and materials, and teaching both content and process. In addition, students will be exposed to the metric system of measurement. Prerequisites: A lab course in each of the following science disciplines: physical, life and earth science. Spring semester.

ED 320 Art Education in the Elementary School 2 Cr

This course provides knowledge and appreciation of art instructional methods necessary to 1) teach the K-8 students the basic elements and principles of artistic design, 2) develop in the K-8 student an appreciation of the role of cultural heritage in the visual environment, 3) understand the stages of creative development in children, and 4) establish an appropriate art curriculum. Spring semester.

ED 323 Teaching the Communication Arts I 2 Cr

Students focus on the development, curriculum, instruction, and assessment of writing, speaking, listening, viewing, and thinking. Methods, materials, techniques, and strategies for teaching all of the communication arts are presented and discussed. Prerequisite: ED/PSY 229, concurrent enrollment in ED 325, and admission to the Department of Education: Health, Physical, and Teacher. Fall semester.

ED 324 Corrective and Remedial Reading 2 Cr

This course is designed to prepare the classroom teacher to assess children's reading levels and provide instruction for the corrective and remedial reader using appropriate methods. Students are required to complete a clinical experience. Prerequisite: A grade of "C" or better in ED 325. Spring semester.

ED 325 Teaching the Communication Arts II 3 Cr

Methods, materials, techniques, and strategies for teaching reading will be presented. The students will study word recognition, comprehension, and metacognition teaching strategies as well as emergent literacy. One-third of this course is devoted to public school classroom work which will be arranged and required for each student. Prerequisites: ED/PSY 229, concurrent enrollment in

ED 323, and admission to the Department of Education: Health, Physical, and Teacher. Fall semester.

ED 327 Content Area Reading/Language Arts 3 Cr

This course is designed to provide upper-grade teachers with the skills necessary to teach study skills and reading while teaching content area subjects. Curriculum development of listening, speaking, grammar, vocabulary, spelling, and writing will be addressed. Reading materials used in content area subjects will be analyzed in terms of readability, vocabulary, and skill development. The students will be required to develop lessons that provide cognitive subject matter as well as reading and language arts improvement. Prerequisite: A grade of "C" or better in ED 309 or ED 325. Spring semester.

ED 329 Music Education in the Elementary School 3 Cr

This course is designed to prepare the elementary teacher to incorporate music into the classroom setting. Students will learn the fundamentals of music, develop music skills, and survey music teaching methods. The course includes a study of musical concepts, repertoire of children's songs, and basic skills on classroom instruments. Students must provide their own guitar. Fall semester.

ED 344 Secondary Social Studies 2 Cr

This course is an examination of selected concepts and generalizations of the social sciences that form the framework of contemporary social studies curricula in the secondary school. Students will be asked to develop a defensible rationale for making curricular and instructional decisions concerning the substance of instruction, techniques of instruction, and evaluation practices as unique to the social studies classroom in grades five through 12. Prerequisite: A grade of "C" or better in ED 309. Spring semester; odd-numbered years.

ED 346 Teaching Science in the Secondary School 2 Cr

This course will examine the techniques and materials used in teaching the physical and biological sciences at the secondary level. Prerequisite: A grade of "C" or better in ED 309 or consent of instructor. Fall semester.

ED 350 Middle School Teaching 3 Cr

This course looks at the sociological, psychological, historical, and philosophical foundations of middle schools. In addition, middle school program, organization, planning, curriculum, and evaluation will be explored. Emphasis will be placed on developing an interdisciplinary unit of study at the middle school level. Prerequisites: ED/PSY 229 and admission to the the Department of Education: Health, Physical, and Teacher or consent of the instructor. Fall semester.

ED/EN 365 Young Adult Literature 3 Cr

A study of literature written for young adults. Students will read listen to and evaluate a wide variety of literature published for or enjoyed by young adult readers, including traditional folk tales, myths, and legends; fantasy and realistic fiction; biography and autobiography; and poetry. Students will also study techniques for teaching and using literature in the 5-12 classroom. Prerequisites: EN 102 and EN 200. Spring semester, odd-numbered years.

ED 403-404 Internship 5 Cr

A half-day, two-semester field experience program for qualified senior students. The internship will be consecutive, beginning the fall semester of the senior year and ending with the spring semester of the senior year. Due to scheduling of course work, the first semester's internship is in the morning hours, while the second semester's field experience is completed in the afternoon. Prerequisite: ED 309 or ED 325, and admission to student teaching. Offered annually.

ED 405 Education Seminar 1 Cr
A one-hour discussion of issues directly related to the professional concerns of the classroom teacher. This seminar is required of all individuals who will apply for teacher certification upon termination of a preservice field experience. Successful completion of the seminar will fulfill the comprehensive examination requirement for majors in elementary education and social science for secondary education. Prerequisite: Concurrent enrollment in ED 403, ED 404, ED 408 or ED 410, or approval from instructor. Each semester.

ED 407 Organization & Administration of the Reading Program 2 Cr
This course develops skills for organizing, managing, and evaluating reading programs for all children (K-12) and presents methods for promoting staff, administration, and community support for reading programs. Prerequisite: Concurrent enrollment in ED 408 or ED 410. Each semester.

ED 408 Student Teaching in the Minor Area 5 Cr
For qualified students pursuing professional teacher licensing in a minor endorsement area only, or seeking a second minor endorsement. A full day, five-week directed teaching program in the student's minor area. The teaching candidate must not undertake any other duties or college courses during the daytime teaching assignment; student teaching is a full-time responsibility. The program is open to elementary and secondary education majors who are pursuing a minor in a certifiable area and may be completed in either the first or second semester of the senior year. Prerequisite: ED 309 or ED 325, and admission to student teaching. Each semester.

ED 410 Student Teaching 11 Cr
For qualified students pursuing professional teacher licensing in a major, or a major and minor endorsement, area of study. A full day, 15-week directed teaching program in the student's major and minor areas. The teaching candidate must not undertake any other duties or college courses during the daytime teaching assignment; student teaching is a full-time responsibility. The program is open to elementary and secondary education majors and may be completed in either the first or second semester of the senior year. Prerequisite: ED 309 or ED 325, and admission to student teaching. Each semester.

ED/ENLE 411 Teaching English on the Secondary Level 3 Cr
Study of planning and teaching composition and literature on the secondary level. Prerequisite: A grade of "C" or better in ED 309. Fall semester; odd-numbered years.

ED 412 Measurement & Assessment in Teaching 3 Cr
This course will look at the role of measurement and assessment in the instructional process. Classroom tests and standardized tests will be analyzed. Gathering, administering and interpreting assessment data will be examined. Prerequisite: A grade of "C" or better in ED 309 or ED 325, if required. In addition, the Teacher Development Portfolio, which must meet the third submission for the department requirements will be assessed as part of the course requirements. Each Semester.

ED 417 Methods of Teaching Speech-Communication 2 Cr
Theoretical and applied study of teaching communication and speech. Students will read works on the philosophy of education and will complete a teaching and coaching project. Each semester

ED 418 Methods of Teaching Mathematics in the Secondary School 3 Cr
Methods of teaching mathematics in grades five through 12. Emphasis will be given to methods in teaching individual topics, the techniques of problem-solving, models for classroom organization, evaluation of different curricula, individual instruction, and examination of possible aids (including the computer) for classroom instruction. Each student must make classroom presentations using different teaching skills in teaching topics from the secondary curriculum. Prerequisite: A grade of "C" or better in ED 309. Fall semester; odd-numbered years.

ENGR: Courses in Engineering

Department of Mathematics, Engineering, and Computer Science

ENGR 104 Engineering Graphics & CAD Applications 3 Cr
An introduction to modern computer drafting and engineering design using a CAD (computer aided design) software system. Fundamental concepts of technical drawing in two and three dimensions including orthographic projections, isometric projections, three-dimensional and solids modeling, and rendering. Spring Semester.

ENGR 201 Introduction to Engineering 1 Cr

This course introduces students to engineering opportunities and the engineering design process. The course is project oriented with assignment emphasis on teamwork to solve problems. The course reviews the various areas of engineering and includes an introduction to surveying. Fall semester.

ENGR 202 Water Distribution Systems 1 Cr
An introduction to water distribution theory and design practice. A project-oriented course that includes water supply, storage, distribution, and computer analysis of water distribution networks. Spring semester.

ENGR 302 Engineering Mechanics I: Statics 3 Cr
Equilibrium of bodies under the action of forces. Force systems and resultants; equilibrium of mechanical systems; trusses, frames, and machines; centroids and centers of mass; shear and moments in beams; hydrostatics; friction; and virtual work. Introduction to mechanics of solids and computer analysis of structures, as time permits. Emphasis on solving practical engineering problems in complete, documented style. Prerequisite: Grade of "C" or better in PHYS 205 or permission of instructor. Spring semester.

ENGR 303 Engineering Mechanics II: Solids 3 Cr
An introduction to the mechanics of deformable solids. Topics covered include stress, strain, rotation-of-axes transformations, constitutive relations, equilibrium, compatibility requirements, stability, and deformation of structural elements. Uni-axial, torsion, bending, and shear loads on and deformations of prismatic bars are also studied together with Euler buckling of slender columns. Three credits of lecture. Prerequisites: Grades of "C" or better in ENGR 302 and MA 232. Fall semester.

ENGR 304 Engineering Mechanics III: Dynamics 3 Cr
Continuation of ENGR 301. Motions of bodies under the action of forces; kinematics and kinetics of particles, systems of particles, and rigid bodies; work-energy and impulse-momentum; area and mass moments of inertia. Emphasis on solving practical engineering problems in complete, documented style. Prerequisites: Grades of "C" or better in ENGR 301 and MA 334. Spring semester.

ENGR/PHYS 305 Electronics and Circuit Analysis I 4 Cr

An introductory survey of the behavior of electrical circuits. Review of current, voltage, and passive circuit elements (resistors, capacitors, and inductors). Kirchhoff's Laws, network theorems, and basic network analysis. General characteristics of amplifiers and electronic instrumentation. Introduction to operational amplifiers and active elements (transistors). Laplace transform analysis of transient (switching) response, and complex phasor analysis of sinusoidal steady-state response. Three hours lecture and one 2-hour laboratory per week, in which students build and test circuits and learn how to use typical circuit simulation software (PSPICE). Prerequisites: Grades of "C" or better in PHYS 202 or PHYS 206, and MA 122 or MA 131. Fall semester.

ENGR /PHYS 306 Electronics and Circuit Analysis II 4 cr

A continuation of PHYS/ENGR 305. Systematic node-voltage and mesh-current methods of circuit analysis. Network transfer functions and frequency spectra. Mutual inductance and transformers. Diode circuits and the behavior of single-transistor amplifiers using field-effect or bipolar-junction transistors. Analysis and design of digital logic circuits. Principles of operation and interfacing of typical laboratory instruments. Three hours lecture and one 2-hour laboratory per week. Prerequisite: Grade of "C" or better in PHYS/ENGR 305. Offered spring semesters if warranted by sufficient demand.

ENGR 307 Fluid Mechanics 3 Cr

A first course in fluid mechanics for engineering majors. Topics covered include fluid properties, fluid statics, fluid motion, pressure variations in fluid flows, momentum principles, energy principles, dimensional analysis and similitude, surface resistance, flow in conduits, flow measurements, drag, and lift. Two and one-half credits of lecture and one-half credit of laboratory. Prerequisites: Grades of "C" or better in MA 232 and ENGR 302. Fulfills Writing Intensive requirement. Fall semester.

ENGR/PHYS 308 Thermodynamics 3 Cr

A practical introduction to thermodynamics for engineering students. Fundamental state variables are defined (e.g., temperature, pressure, energy, enthalpy, entropy, etc.), and the three laws of thermodynamics are extensively discussed and illustrated. Applications include power systems, gas turbines, and refrigerators. Three hours lecture per week. Prerequisites: Grades of "C" or better in PHYS 205-206 and MA 233. Spring semester.

ENGR 309 Geotechnical Engineering 3.5 Cr

An introduction to geotechnical engineering. Topics covered include an introduction to geology and the classifications of soils, and rocks, and geologic structures. Soil exploration, testing, and classifications are introduced, and soil characteristics and mechanical properties such as compressibility and compaction, permeability and seepage, and stresses in soil structures are also studied. Three credits of lecture and half credit of lab. Prerequisites: Grades of "C" or better in ENGR 303 and ENGR 307. Spring semester.

ENGR 310 Structures I 3 Cr

This is the first in a series of 3 courses in structural analysis and design. The primary objective of this course is to introduce the principles and methods of analysis for trusses, beams, and frames so that students develop the understanding and the skills necessary to analyze and design statically determinate as well as statically indeterminate structures. While emphasis is on modern computer methods of analysis, elementary methods are also studied so students gain an understanding and "feel" for the behavior of structures. Prerequisites: Grade of "C" or better in ENGR 303. Spring Semester.

ENGR 313 Hydrology 3 Cr

This course focuses primarily on the basic principles of the hydrologic cycle such as precipitation, hydrologic abstractions, catchment properties, groundwater flow, and the relationships between precipitation, abstractions, and runoff. A brief portion of the course deals with the measurement of various components of the hydrologic cycle. The engineering applications of basic hydrologic principles are studied. The purpose of this course is to introduce the fundamentals of hydrologic science, which are used to solve typical engineering problems. Prerequisites: Grades of "C" or better in MA 131 or MA 121-122 and MA 232, or permission of instructor. Fall semester.

ENGR 401 Hydraulics 3 Cr

Hydraulic engineering is the application of fluid mechanic principles to deal with collection, storage, conveyance, distribution, control, regulation, measurement, and use of water. This course will focus primarily on analysis and design of pipelines, pumps, and open channel flow systems. The course will also have a design project to provide an opportunity to apply the information in a real engineering situation. Three class hours per week. Prerequisite: Grade of "C" or better in ENGR 307 Fluid Mechanics. Fall semester.

ENGR 402 Environmental Engineering 3 Cr

This course focuses on environmental problems, including their causes, the scientific background needed to understand them, and the methods used to solve them. The fundamental principles of environmental engineering, including sources of water and air pollution, water and wastewater treatment, solid and hazardous waste management, and regulatory issues are presented. Three class hours per week. Prerequisites: Grades of "C" or better in CH 101-102 and MA 131 or MA 122. Spring semester.

ENGR 403 Structures II (LRFD Steel Design) 3 Cr

The purpose of this course is to learn the philosophy and methods of AISC Load and Resistance Factor Design (LRFD) of steel structures. Emphasis is on the determination of loads and load distribution, and the design of structural components (i.e., tension members, compression members, beams, and beam-columns) and their connections, in accordance with the AISC LRFD Specification and the LRFD Manual of Steel Construction. The function and behavior of simple frame structures is also introduced and each student works on a team to complete a design project (a simple, two story structure for an office building). Three class hours per week. Prerequisite: Grade of "C" or better in ENGR 310. Fall semester.

ENGR 405 Water and Wastewater 4 Cr

This course focuses on the fundamental principles for analysis and design of water processing, water distribution, wastewater collection, wastewater treatment, and sludge processing systems. Two class hours and 2 lab hours per week. Prerequisites: Grades of "C" or better in ENGR 313 and ENGR 401. Spring semester.

ENGR 406 Structures III (Reinforced Concrete Design) 2 Cr

The purpose of this course is to learn the philosophy and methods of ACI strength design of reinforced concrete structures. Emphasis is the design of concrete structural elements including beams, one-way slabs, and columns. The student works on a team to complete a simple design project. There are two class hours per week. Prerequisite: Grade of "C" or better in ENGR 403. Spring semester.

ENGR 407 Transportation Engineering 2 Cr

This is an introductory level transportation-engineering course. The class will discuss traffic characteristics, transportation planning, geometric design of highways, drainage design, traffic safety, high-

way materials, and pavement design. Three class hours per week. Prerequisites: MA 131 or MA 121-122. Fall semester.

ENGR 411 Senior Design Project I 2 Cr

This course requires the students, working in teams, to take an actual engineering project from the initial proposal stage through the preliminary design phase. Students will conduct the necessary activities and prepare the various documents needed to complete the preliminary design. One class hour per week. Fall semester.

ENGR 412 Senior Design Project II 2 Cr

A continuation of ENGR 411, the design process will continue from the preliminary phase to the completion of a conceptual design of the project. The students, working in teams, will prepare design criteria, calculations, and representative engineering drawings of the project's major components. A list and general description of the many details and other miscellaneous activities required to complete the project will also be prepared. Finally, general cost estimates will be computed. Two class hours per week. Prerequisite: Grade of "C" or better in ENGR 411. Spring semester.

ENLE: Courses in English Language, Criticism, and Education

Department of Languages and Literature

ENLE 200 Literary Studies 3 Cr

Required of all majors and minors in English, this course acquaints students with literature as both an academic discipline and an art by developing the analytical and critical skills required for more sophisticated readings of literary works. By studying the literary techniques of exemplary authors, students also discover ways in which attentive reading might stimulate and guide their own writing. Along with introducing students to the vocabulary and methods of reading literary works from psycho-analytic, feminist, historicist, reader-response, and other critical perspectives, the course provides training and practice in writing literary exposition. Does not satisfy CORE. Prerequisite: EN 102. Fall Semester.

ENLE 332 English Grammar 3 Cr

This course provides a comprehensive introduction to the emphasized. Three lectures per week plus two hour seminar. Premio of traditional grammar, it also focuses on both structural and transformational grammar. Topics include parts of the simple sentence, word classes, the structure of phrases and clauses, sentence types, aspect, mood, voice and style as well as the strengths and weaknesses of particular kinds of grammatical description. Prerequisite: ENWR 102 and ENLE 200. The ENLE 200 prerequisite is waived for TESOL majors of junior and senior status. Fall semester, even-numbered years.

ENLE 333 Introduction to the English Language 3 Cr

The study of the origins, development and linguistic structures of Indo-European languages as cultural phenomena. Special attention is devoted to the linguistic, semantic and cultural history of the English language as it has evolved from an obscure Germanic tongue to a prominent world language. Topics include the design features of language, linguistic variation, phonology, morphology, syntax, lexis, semantics, pragmatics, and the major historical forms of English. Prerequisite: ENWR 102 and ENLE 200. ENLE 332 is strongly recommended. The ENLE 200 prerequisite is waived for TESOL majors of junior and senior status. Spring semester.

ENLE/ED 365 Young Adult Literature 3 Cr

A study of literature written for young adults. Students will read, listen to and evaluate a wide variety of literature published for or enjoyed by young adult readers, including traditional folk tales, myths,

and legends; fantasy and realistic fiction; biography and autobiography; and poetry. Students will also study techniques for teaching and using literature in the 5-12 classroom. Prerequisites: ENWR 102 and ENLE 200. Spring semester, odd-numbered years.

ENLE 404 Literary Criticism 3 Cr

A study of diverse types of literary criticism by means of reading primary texts in traditional and current theory and by applying these interpretive and evaluative strategies to specific literary works and authors. Representative theoretical positions include formalist, archetypal, psychoanalytic, structuralist, feminist, deconstructionist, reader-response, historicist, linguistic, semeiotic, and textual criticism. Prerequisite: ENWR 102 and ENLE 200. Fall, odd-numbered years.

ENLE/ED 411 Teaching English on the Secondary Level 3 Cr

A study of the theories and methods for teaching the communication arts in the secondary schools with special emphasis on teaching literature and composition, as well as contemporary issues within the profession. Prerequisite: ED 340. Fall semester, odd-numbered years.

ENLE 425 Studies in Rhetoric and Composition 3 Cr

Especially recommended for students preparing for high school teaching or graduate studies, this course surveys theories and practices of writing instruction. Includes the study of rhetoricians and educators such as Plato, Aristotle, Cicero, Quintillian, George Campbell, Kenneth Burke, Stephen Toulmin, Chaim Perelman, Mina Shaughnessy, Peter Elbow, and Patricia Bizzell. Prerequisite: Two advanced writing course or consent of instructor. Offered at the discretion of the department. Fall semester, even-numbered years.

ENLT: Courses in English Literature

Department of Languages and Literature

ENLT 215 Introduction to Literature 3 Cr

This course will introduce students to the basic reading and analytical skills needed to understand and appreciate literature. Students will become familiar with reading different literary genres (prose, poetry, and drama) and learn to use basic terms and techniques of literary analysis. They will develop multiple interpretations and responses to literary texts and support their interpretation and responses with textual evidence, both in discussions and writing. Also, they will discover how texts communicate cultural values and ideas through a variety of approaches to the reading and appreciation of literature. Offerings each semester range from an overview of literature through conventional genres to exploration of a limited historical period or topic in literature. Prerequisite: ENWR 102. This course will be taught every semester.

ENLT 221 Survey of Classical Literature 3 Cr

A study of our Greek and Latin literary heritage in translation with emphasis on classical myths and legends of gods and heroes that continue to stimulate the literary imagination today. Principal genres include epic and lyric poetry; the animal fable; and drama (tragedy, comedy, and New Comedy). Representative authors include Hesiod, Homer, Aesop, Aeschylus, Sophocles, Euripides, Aristophanes, Catullus, Virgil, Plautus, Terence, and Ovid. Prerequisite: ENWR 102. Each semester. Satisfies CORE literature. May fulfill writing intensive requirement.

ENLT 306 Classic Texts and Contemporary Revisions 3 Cr

A study of the contemporary trend of revisionary metafiction. The

course will explore a number of paired texts - one in the pair has been traditionally identified as a classic text in English literature and the other is a 20th century revision. The course will emphasize the ways in which texts are always shaped by other texts and how texts shape, communicate, and critique cultural beliefs and values. Examples of texts include the Brother Grimm's fairy tales and Carter's *The Bloody Chamber*, Shakespeare's *The Tempest* and Naylor's *Mama Day*, Defoe's *Robinson Crusoe* and Coetzee's *Foe*, Bronte's *Jane Eyre* and Rhy's *Wide Sargasso Sea*, Woolf's *Mrs. Dalloway* and Cunningham's *The Hours*. Prerequisite: ENWR 102. Fall even-numbered years. Spring semester odd-numbered years.

ENLT 303 Medieval English Literature 3 Cr

A study of literature written in Britain during the Old English period (8th century to 1066) and Middle English period (1066 to 1485), key periods in the formation of English language and culture. Principal genres include epic and lyric poetry, romance, tale, and drama. Representative works include the epic *Beowulf*, the mystery and morality plays, Chaucer's *Canterbury Tales*, Margery Kempe's autobiography, and Arthurian romances. Prerequisite: ENWR 102 and ENLE 200. Fall semester even-numbered years.

ENLT 323 Renaissance English Literature 3 Cr

A study of literature written in Britain during the 16th and 17th centuries, which accompanied the spread of humanism, an emergent nationalism, and the civil strife of the latter period. Principle genres include drama and poetry. Representative authors include Sir Thomas More, Edmund Spenser, Sir Philip Sidney, Christopher Marlowe, William Shakespeare, Amelia Lanier, the Metaphysical and Cavalier poets, Lady Mary Wroth, and John Milton. Prerequisite: ENWR 102 and ENLE 200. Fall semester odd-numbered years

ENLT 334 World Literature 3 Cr

Critical and comparative study of selected representative literary works from African, Arabic, Latin American, and Oriental literature. Fall semester, even-numbered years. May fulfill global diversity requirement.

ENLT 343 18th Century British Literature 3 Cr

A study of literature written in Britain from the late 17th to the late 18th century, emerging in conjunction with the rise of rationalist philosophy, experimental science, industrialization, and empire. Primary emphasis is on the rise of the British novel and on the emergence of satire as a key literary mode of the period. Other principal genres include drama, poetry, and nonfiction prose. Representative authors include William Congreve, Aphra Behn, Daniel Defoe, Samuel Richardson, Henry Fielding, Fanny Burney, Jonathan Swift, Alexander Pope, John Dryden, and Samuel Johnson. Prerequisite: ENWR 102 and ENLE 200. Fall semester odd numbered years

ENLT 363 19th Century British Literature: The Romantics 3 Cr

A study of literature written in Britain from 1780 to 1830, which variously celebrated and challenged the social, political and economic changes that accompanied industrialization and ignited the American and French revolutions. Principal genres of the period include poetry, the novel, and the essay. Representative authors include Romantic poets such as William Blake, William Wordsworth, and John Keats; novelists such as Jane Austen, Sir Walter Scott and Mary Shelley; and prose writers such as Mary Wollstonecraft, Thomas DeQuincey, and William Hazlitt. Prerequisite: ENWR 102 and ENLE 200. Spring semester, even-numbered years

ENLT 367 19th Century British Literature: The Victorians 3 Cr

A study of British literature written from 1830-1900, which registers the hopes and anxieties prompted by industrialization, urbanization and the growth of individualism. Principal genres include poetry, the novel and nonfiction prose, all of which were being created for and read by a larger and more diverse audience. Representative works include the novels of Emily and Charlotte Bronte, Charles Dickens and George Eliot; the prose of Thomas Carlyle and John Stuart Mill; and the poetry of Alfred Lord Tennyson, Robert Browning, and Elizabeth Barrett Browning. Prerequisite: ENWR 102 and ENLE 200. Fall semester, even-numbered years.

ENLT 373 19th Century American Literature 3 Cr

A study of major currents of nineteenth-century literature of the United States, from the antebellum period, through the Civil War, to the very beginnings of the twentieth century. The course may explore any of the following literary movements: the Romantic movement, including Transcendentalist writers and philosophers (e.g., Ralph Waldo Emerson and Henry David Thoreau), as well as the writers of the Romance fiction (such as Nathaniel Hawthorne and Herman Melville); mid-century domestic fiction (including such writers as Louisa May Alcott and Harriet Beecher Stowe); slave narratives (Harriet Jacobs and Fredrick Douglass, among others); and American Realism, including major proponents of realism at the end of the century, such as Mark Twain, William Dean Howells, and Henry James, so-called "local color writers," such as Sarah Orne Jewett and Mary Wilkins Freeman, and turn-of-the-century naturalist writers such as Frank Norris and Theodore Dreiser. Prerequisite: EN 102. Spring odd-numbered years.

ENLT 383 20th Century British Literature 3 Cr

A study of British literature written in the 20th century, shaped by the critical shifts in thought and literary technique associated with modernism and postmodernism. Each movement, developing in the wake of a World War, is characterized by a major break with literary tradition. Principal genres include poetry, drama, novels, short fiction and the essay. Representative authors include William Butler Yeats, T. S. Eliot, Joseph Conrad, James Joyce, Virginia Woolf, D. H. Lawrence, George Bernard Shaw, Samuel Beckett, Doris Lessing, Seamus Heaney, Iris Murdoch, Tom Stoppard, and Caryl Churchill. Prerequisite: ENWR 102 and ENLE 200. Spring semester, even-numbered years. Fulfills writing intensive requirement.

ENLT 393 Jazz Age and the Harlem Renaissance 3 Cr

A study of early twentieth-century American literature (called "modernism"), from World War I through the 1930s. The course explores the work of white modernist writers (many of whom were part of the expatriate community in Paris during the period) alongside that of the African American writers of the same period who lived in the United States and participated in the movement known as the Harlem Renaissance. Among the writers studied may be Ernest Hemingway, F. Scott Fitzgerald, Langston Hughes, T.S. Eliot, H.D. William Faulkner, Zora Neale Hurston, Claude McKay, Nella Larson, and W.E.B Du Bois. Prerequisite: EN 102. Fall odd-numbered years.

ENLT 397 20th Century American Literature 3 Cr

A study of American literature from the beginning of the Second World War (1939) to the present. Particular focus is given to anti-establishment literature protesting the cultural conformity of the 1950s, the counterculture writers of the 1960s and early 70s and the post-modern writers of the 1980s and 90s. Includes representative literary movements such as the Agrarian writers,

Beat writers, the confessional poets, the Vietnam writers, and a wide variety of ethnic writers producing literature in traditional and experimental forms. Representative authors include Allen Ginsberg, Jack Kerouac, Eudora Welty, Marianne Moore, Robert Penn Warren, Flannery O'Connor, Robert Lowell, Tennessee Williams, Gwendolyn Brooks, Sylvia Plath, Theodore Roethke, Arthur Miller, Tim O'Brien, Nikki Giovanni, Alice Walker, Adrienne Rich, Toni Morrison, N. Scott Momaday, Edward Albee, David Mamet and Maria Irene Fornes. Prerequisite: ENWR 102 and ENLE 200. Spring semester, odd-numbered years.

ENLT 410 Women's Literature 3 Cr

A study of literature written by women, exploring what it means when women become the center of their own stories. The subtitle of the course will help define the focus: The course may focus on writings by British women, American women, women from any ethnic and/or national group, or a combination of any of the above. The course may span historical periods or focus on one century or specific period. Feminist literary and cultural theory may be an added focus. Writers may include: Jane Austin, Edith Wharton, Kate Chopin, Virginia Woolf, Adrienne Rich, Maxine Hong Kingston, Toni Morrison, Louise Erdrich. Prerequisite: ENWR 102. Offered spring even-numbered years.

ENLT 411 African American Literature 3 Cr

A study of the history of African American literature. The course begins with early writings by slaves (these may include Phillis Wheatley, Frederick Douglass, and Harriet Jacobs); moves through the nineteenth century to study the Harlem Renaissance writers of the early twentieth century (including W.E.B. Du Bois, Langston Hughes, and Zora Neale Hurston); continues into the twentieth century to investigate post-World War II works (by such writers as Ralph Ellison, Lorraine Hansbury, and Gwendolyn Brooks); and ends with investigating contemporary African American texts (these may include novels by Toni Morrison and movies directed by Spike Lee). Prerequisite: ENWR 102. Offered fall even-numbered years. Fulfills national diversity requirement.

ENLT 412 American Indian Authors 3 Cr

A study of literature written by American Indian authors, beginning with the cultural traditions and influences within oral literature, then moving through the late eighteenth and nineteenth centuries. This exploration continues through the works of the twentieth century, surveying poetry, fiction, and non-fiction by authors such as N. Scott Momaday, Gerald Vizenor, Wendy Rose, Paula Gunn Allen, Leslie Marmon Silko, Luci Tapahonso, Louis Owens, Sherman Alexie, Louise Erdrich, and Montana American Indian authors D'Arcy McNickle and James Welch. Prerequisite: ENWR 102. Offered spring even-numbered years. Fulfills National Diversity requirement.

ENLT 416 Myth in Literature 3 Cr

This course is designed to introduce students to the study of mythology as a major source of meaning in literature. It begins with a comprehensive definition of myth and moves on to explore its characteristic features, the functions it serves in different societies, and the major archetypal myths that human societies, ancient and modern, have developed - creation myths, the hero/heroine myth, the quest myth, the initiation myth, myths of paradise and the underworld, and so on in Greece, the Middle East, Japan, Egypt, the Americas, Africa, Northern Europe, and the Pacific Islands. Representative works studied include *The Orestia*, *The Odyssey*, Native American folktales, *The Mabinogi*, *The Ramayana*, *The Poetic Edda*, *Amaterasu*, Central American myths, and African folktales. Prerequisites: ENWR 102 and ENLT 215. Offered spring semester

even-numbered years. Fulfills Global Diversity requirement.

ENLT 423 Shakespeare 3 Cr

A study of the dramatic and poetic art of William Shakespeare. Plays from both the Elizabethan and Jacobean periods will be selected to illustrate the development of the author's style and theatrical conventions, with representation from the histories, the comedies, the Roman plays, the tragedies, the problem plays, and the late romances. Students will develop their critical faculties by applying a variety of recent approaches to Shakespearean scholarship. Prerequisite: ENWR 102 and ENLE 200. The ENLE 200 requirement is waived for Performing Arts majors and minors of junior or senior status. Spring semester.

ENWR: Courses in English Writing and Literature

Department of Languages and Literature

ENWR 101 College Composition I 3 Cr

Covers the basic elements of writing—grammar, punctuation, sentence structure, paragraphs; also concerned with audience, voice, and techniques for generating and organizing ideas into an essay, as well as introduction to the library. Score on national exams determines placement. No pass/fail; does not satisfy CORE. Every semester.

ENWR 102 College Composition II 4 Cr

A preparation for students to write within the larger academic community. It includes techniques of library research, a formal research paper, and a combination of lectures and small-group classroom instruction. Score on national exams (and diagnostic essay when necessary) determines placement. No pass/fail registrations. A required CORE course. Every semester.

ENWR 203 Expository Writing 3 Cr

Study and practice in advanced exposition and argumentation. Emphasis on methods of expository writing and on accurate, mature expression. Prerequisite: ENWR 102 or consent of instructor. Spring semester. Fulfills writing intensive requirement.

ENWR 264 Introduction to Creative Writing 3 Cr

After some preliminary instruction in the basic elements and techniques of creative writing, students in "Introduction to Creative Writing" create original works of poetry and fiction and polish them in workshops with the other members of the class. The course is open both to those who have not had a poetry or fiction writing course in college. Prerequisite: ENWR 102. Each semester. Fulfills writing intensive requirement.

ENWR 301 Business Writing 3 Cr

The study and practice of writing for business and administrative settings. The student learns to write various kinds of messages (informational, bad news, persuasive, difficult situations, sales/solicitation) and to use various formats (memos, letters, reports). Students also work collaboratively on group writing assignments. Prerequisite: ENWR 102 or consent of instructor. Each semester. Fulfills writing intensive requirement. Fall semester, odd-numbered years.

ENWR 305 Technical Writing 3 Cr

The study and practice of writing for the sciences and technology. Introduction to the practice of writing functional prose to produce technical definitions, process analyses, descriptions of mechanisms, technical proposals, laboratory reports, field reports and formal research reports. Prerequisite: ENWR 102 or consent of instructor. Each semester. Fulfills Writing Intensive requirement.

ENWR/CO 306 Writing for the Media 3 Cr

Students learn basic elements of journalistic writing for the print media, including news reporting, feature writing, and column writing. Course introduces study of libel law, observation of community media, and production of one issue of the school newspaper. Prerequisite: ENWR 102 or consent of instructor. Spring semester. Fulfills writing intensive requirement.

ENWR 337/347 Creative Writing Genres and Modes 3 Cr

In-depth study and practice of a major genre or mode of contemporary writing, such as drama, memoir, or nature writing. Topic selected by the instructor. Prerequisite: ENWR 102 or consent of the instructor. Nature writing and memoir are 337; playwriting and imaginative writing are 347. May fulfill writing intensive requirement. Spring semester, odd-numbered years.

ENWR 363 Literary Translation 3 Cr

Literary Translation is a literature and creative writing course designed to help you improve your understanding of Spanish literature while you translate Latin American literary works into English and polish your translations through workshops. The course provides instruction in the structures and nuances of the work of one contemporary Latin American writer (usually a poet) together with workshops in the translation of literary works from Spanish of English. Our goal will be to produce publishable-quality translations of previously untranslated works of literature. Prerequisites: SP 102 and ENWR 264 or permission of the instructor. Odd-number Fall terms.

ENLT 412 American Indian Authors 3 Cr

A study of literature written by American Indian authors, beginning with the cultural traditions and influences within oral literature, then moving through the late eighteenth and nineteenth centuries. This exploration continues through the works of the twentieth century, surveying poetry, fiction, and non-fiction by authors such as N. Scott Momaday, Gerald Vizenor, Wendy Rose, Paula Gunn Allen, Leslie Marmorek, Luci Tapahonso, Louis Owens, Sherman Alexie, Louise Erdrich, and Montana American Indian authors D'Arcy McNickle and James Welch. Prerequisite: ENWR 102. Offered spring even-numbered years. Fulfills National Diversity requirement.

ENWR 451 Career Internship 3 Cr

Designed in conjunction with an English major's curriculum the internship offers "on-the-job" training for a career in such fields as public relations, journalism, communications, public information, or social services administration. The student works under supervision in an appropriate business or private, state or federal agency in the Helena community to gain practical experience in written communication. A minimum of nine (9) hours experience per week over the semester is required. Prerequisite: Two advanced writing courses and junior or senior status.

ENWR 461 Advanced Creative Writing 1-3 Cr

Advanced Creative Writing is a weekly meeting of experience writers of poetry and fiction (and other genres) for the purpose of honing their skills through a semester of extensive writing and rigorous workshops with other advanced student writers. Students who take the course for fewer than three credits are given reduced submission requirements, but must still attend and participate in all workshop meetings. Since the course is a workshop, the content varies from year to year. Prerequisite: ENWR 264 or permission of instructor. Spring semester. Course is repeatable. Fulfills writing intensive requirement.

ENWR 498 Capstone Seminar 3 Cr

The English Capstone Workshop is a writing course in which advanced English majors practice professional writing and presentation skills and aid one another in the further development of these skills. The course is required for all English majors who are in the last fall semester of study before graduation. Early in the term, members of the class prepare a campus conference on literature, English education, and writing to be held late in the fall term: they propose, organize, and coordinate sessions on subjects of interest in these areas, and they issue calls for papers to English majors and other interested parties for presentation at the conference. Students in the course then spend the semester writing their senior projects, regularly subjecting the texts they are working on to intensive workshops by the other members of the class. They then present portions of their final project at the conference they have organized. Fall term. Fulfills writing intensive requirement.

FR: Courses in French**Department of Languages and Literature**

A student with high school French should consult with the instructor for placement in courses and see index for page number of Language Placement Guidelines.

FR 101-102 Elementary French I and II 6 Cr

A beginning course in French with emphasis on speaking with attention to reading and writing as well. Three (3) class periods and one supervised conversation alternate weeks. Prerequisite: None for FR 101; FR 101 or equivalent for FR 102. Offered annually. Fulfills global diversity requirement.

FR 203-204 Intermediate French 6 Cr

Reading of contemporary texts with conversation and composition. Directed toward the development of a speaking and reading knowledge of French. Three (3) class periods and one supervised conversation alternate weeks. Prerequisites: FR 102 or equivalent for 203; FR 203 or equivalent for FR 204. Offered annually. Fulfills global diversity requirement.

FR 301 Francophone Literature of the Maghreb 3 Cr

A study of representative written passages from various authors of Francophone North Africa (Morocco, Algeria, Tunisia). Analysis of various readings in both discussions and compositions. The course also covers the arts, history, and present political situation of the Maghreb. Fall 2007. Satisfies CORE literature. Fulfills global diversity requirement.

FR 302 French Literature through the 18th Century 3 Cr

A study of representative oral and written passages from various authors of French literature from the Middle Ages through the 18th century. Analysis of the readings and listening program in both discussions and compositions. The course also covers the arts and the history of that period. Spring 2008. Satisfies CORE literature. Fulfills global diversity requirement.

FR 303-304 French Grammar 6 Cr

Review of French grammar through an individual CD listening program, and one two-hour class period per week. Courses run in sequence. Prerequisite: FR 204 or equivalent. Offered annually.

FR 305 French Phonetics 1 Cr

Course concentrates on improving pronunciation through the study of sound-producing systems, IPA, relationship of sounds and graphics (especially consonants), and the rules of pronunciation. Offered at students' request.

FR 401-402 French Lit. of the 19th & 20th Centuries 6 Cr

A study of representative oral and written passages from various French authors of the 19th century (FR 401) and the 20th century (FR 402). Analysis of readings and listening programs in discussions and compositions. The course also covers the arts and history of that period. Prerequisite: FR 204 or equivalent. Fall 2005-Spring 2006. Satisfies CORE literature. Fulfills global diversity requirement.

FR 403 Le Français en Action 3 Cr

A study of representative oral and written passages from French radio and television programs, interviews of contemporary French singers and politicians, songs, and analysis of contemporary French films. Discussions of current French issues based on several French magazines. Prerequisite: FR 204 or equivalent. Fall 2006. Fulfills global diversity requirement.

FR 404 Le Conte Français 3 Cr

A study of representative short stories from the various periods of French literature. The course offers an analysis of the readings in both discussions and composition in order to develop a facility in reading, speaking, and writing. Prerequisite: FR 204 or equivalent. Spring 2006. Satisfies CORE literature. Fulfills global diversity requirement.

GEOG: Courses in Geography**Department of Sociology and Anthropology****GEOG 201 Introduction to Physical Geography 3 Cr**

An introductory course that focuses on the physical landscape as our spatial home. Emphasis is placed on earth form and shape, elements of meteorology, climatology, plate tectonics and selected land forms. No previous knowledge of geography is required. Odd year, Spring semester.

GEOG 202 World Regional Geography 3 Cr

An examination of selected geographic regions that serve as models in demonstrating likenesses and differences in human spatial behavior. Instruction will focus on the cultural landscape, with special emphasis on economic development, settlement practices, population diversity, and spatial interaction. Regions of study include China, the Commonwealth of Independent States and Russia, Europe, and Middle America. Even year, Fall semester.

GK: Courses in Greek**Department of Languages and Literature**

A student with high school Greek should consult with the instructor for placement in courses.

GK 201-202 Introductory Greek 6 Cr

This course is designed to give students an introduction to Attic (Classical) and Koine (Biblical) Greek, and experience translating classic and scriptural authors. Class material reflects Greek history, mythology, religion, philosophy, literature, and art, and includes quotations and excerpts of the best Greek writers and thinkers including Homer, Herodotus, and Thucydides. Scriptural readings are from the Gospels of Luke and John. Greek grammar is presented in a way that is understandable to students and at the same time preserves what is best in the long tradition of classical scholarship. Fall odd and spring even semesters.

GK 301-302 Intermediate Greek 6 Cr

This course builds on the fundamentals of the introductory class and develops proficiency in translating and understanding classic

and scriptural authors, and classical culture. The Classic Greek readings include Solon, Heiod, and Xenophanes; the Scriptural Greek is drawn from the Gospel of John. Prerequisite: GK 201-202. Fall even and spring odd semesters.

GM: Courses in German**Department of Languages and Literature**

A student with high school German should consult with the instructor for placement in courses and see index for page number of Language Placement Guidelines.

GM 101-102 Elementary German 6 Cr

A beginning course in German with emphasis on speaking with attention given to reading and writing as well. Three (3) class periods and one supervised laboratory conversation per week. Offered annually. Prerequisites: None for GM 101; GM 101 or equivalent for GM 102. Fulfills global diversity requirement.

GM 203-204 Intermediate German 6 Cr

Suitable reading texts with conversation and composition. Directed toward the development of a speaking and reading knowledge of German. Three class periods and one supervised laboratory conversation per week. Offered annually. Prerequisites: GM 102 or equivalent for GM 203; GM 203 or equivalent for GM 204. Fulfills global diversity requirement.

GM 405 Neuigkeiten in Deutschland 1-3 Cr

This course focuses on a specific author, literary genre, social or political issue, or other contemporary theme. Uses literature as the foundation for course work. Prerequisite: GM 204 or equivalent. Each semester. Fulfills global diversity requirement.

HI: Courses in History**Department of History****HI 101-102 History of Western Civilization 6 Cr**

A survey of the chief political, economic, social, intellectual, religious, and cultural developments of the West in their historical context. Required for all history majors. Offered annually.

HI 201 Greek History 3 Cr

A study of the Greek experience with special emphasis on the political, social, economic, and cultural factors which have influenced modern civilization. Fall semester, odd-numbered years.

HI 202 Roman History 3 Cr

A study of the Roman experience with special emphasis on the political, economic, social, and cultural factors which have influenced modern civilization. Spring semester, even-numbered years.

HI 203-204 Medieval History 6 Cr

The development of Europe from the decline of the Roman Empire to the beginning of the 16th century. Fall semester, even-numbered years and spring odd-numbered years.

HI 211 History of Modern Europe to 1870 3 Cr

A survey of the major political, social, economic and intellectual developments from 1648 to 1870. This course may be used to meet history major or minor program requirements. Offered annually in the Fall semester.

HI 212 History of Modern Europe since 1870 3 Cr

A survey of the major political, social, economic and intellectual development from 1870 to the present. This course may be used to meet history major or minor program requirements. Offered annually in the Spring semester.

HI 221-222 History of the United States 6 Cr

An introductory survey of the American experience from the Age of Exploration to the present, with emphasis on those national traits which continue to influence American attitudes and actions. Required of all history majors. Offered annually.

HI 231 Montana and the West 3 Cr

An introductory survey of Montana's past and its importance in the development of the West, from the period of exploration to the present. Fall semester, odd-numbered years.

HI 251 Introduction to East Asia 3 Cr

A survey of Chinese, Japanese, and Korean culture and history, with emphasis on the 19th and 20th centuries. Fall semester, even-numbered years.

HI 271 History of Modern Latin America 3 Cr

A survey of the major trends in the political, social, economic and intellectual development of Latin America since independence. The primary focus will be on the histories of Mexico, Cuba, Brazil and Argentina, although examples from across the region will be studied. Fall semester. Fulfills global diversity requirement.

HI 301-302 History of the Catholic Church 6 Cr

An introductory survey of the history of the Catholic Church from the time of Christ to the present post-conciliar period, emphasizing the organic development of the Church in its historical context through the ages. Fall semester, even-numbered years and spring semester, odd-numbered years.

HI 303 Renaissance History 3 Cr

A history of the Renaissance in Europe from the beginning of the 14th century to the middle of the 16th century, with emphasis on the intellectual and cultural achievements of that period. Fall semester, odd-numbered years.

HI 304 History of the Reformation 3 Cr

A history of the Reformation from the beginning of the 16th century to the middle of the 17th century, including a treatment of the complex political, economic, social, and cultural milieu in which religious differences arose. Emphasis is on the theological disputes which shattered the unity of medieval Christendom. Spring semester, even-numbered years.

HI 305 The Long Nineteenth Century: Europe, 1789-1918 3 Cr

An interpretative course which investigates a number of significant themes in the history of nineteenth century Europe. Revolution, liberalism and nationalism, industrialization, the question of class, diplomacy and imperialism are among the subjects to be examined. Spring semester, odd-numbered years. Fulfills writing intensive requirement.

HI 307 Contemporary Europe: Politics, Society and Culture since 1945 3 Cr

An interpretative course which examines various themes in the history of the Continent since the end of the Second World War. The reconstruction of Europe, the trials of war criminals, the Cold War, the protests of the 1960s, European integration and the collapse of Communism are some of the topics that will be examined. Spring semester, even-numbered years. Fulfills writing intensive requirement.

HI 312 History of Modern Britain 3 Cr

A history of Great Britain since 1688. The emphasis will be on political, social and cultural developments. Special emphasis will be placed on the development of British identity in these years.

Fall semester, odd-numbered years. Fulfills writing intensive requirement.

HI 314 History of Modern France 3 Cr

A history of France since 1715, with emphasis on the political, cultural and social debates that have shaped the country since that time. Spring semester, even-numbered years. Fulfills writing intensive requirement.

HI 316 History of Modern Germany 3 Cr

A history of Germany from 1648 to the present, with an emphasis on the nineteenth and twentieth centuries and the questions of political unity, militarism and economic development. Fall semester, even-numbered years. Fulfills writing intensive requirement.

HI 317 The Weimar Republic: The Path to the Nazi Dictatorship 3 Cr

An analytical study of Germany during the time of the Weimar Republic (1919-1933). Special emphasis is placed on political, intellectual, economic, and military developments during a critical phase of German history. Offered at the discretion of the department.

HI 320 History of Modern Russia 3 Cr

A history of Russia from Kievan times to the Confederation of Independent States (CIS). Special attention is given to political and intellectual progress. Offered at the discretion of the department.

HI 321 Topics in the History of Spain & Portugal 3 Cr

An investigation of several themes and periods in the history of Spain and Portugal. Topics to be examined will range from the medieval period to the creation of overseas empires, to the crises of the nineteenth centuries and the dictatorships of the twentieth. This course is not a survey, but will instead be organized on a thematic and topical approach. Offered at the discretion of the instructor.

HI 322 Civil War and Reconstruction 3 Cr

An investigation of the ideas, personalities, and events of the critical years between 1830-1890. Includes an examination of abolitionists, sectionalism, civil rights, and military action. Spring semester, even-numbered years.

HI 323 20th Century American History 3 Cr

An interpretive examination of the special forces that have shaped American history, from 1900 to the present, with particular emphasis on the social and cultural aspects of the period. Spring semester, odd-numbered years.

HI 352 American - East Asian Relations 3 Cr

An analytical survey of America's interaction with East Asia since 1800. Special emphasis is placed on economic, religious, cultural, diplomatic, and military exchanges. Spring semester, odd-numbered years.

HI 372 History of Modern Mexico 3 Cr

A history of Mexico since independence. Particular focus will be placed on political and economic development, social change, the Revolutionary period, and the question of U.S.-Mexican relations. Spring semester, odd-numbered years. Fulfills global diversity requirement.

HI 382 The Second World War Era 3 Cr

This course will allow students to examine the period of the Second World War in considerable depth. The origins of the war and subsequent diplomacy, the military dimension of the conflict, the Holocaust, and the impact of the war away from the front lines will all be themes of the course. The diversity of experience between 1939-1945 is striking. This course does not attempt to be a survey,

but rather will seek to give students the opportunity to examine some of the most significant and controversial issues of the period. Offered summers at the discretion of the instructor.

HI 411 The Holocaust 3 Cr

An examination of the destruction of European Jewry within Nazi-dominated Europe. The origins of, development of and response to the Holocaust will be assessed using a variety of resources. Fall semester, odd-numbered years.

HI 421-422 American Diplomatic History 6 Cr

An analytical survey of major developments and trends in United States diplomacy from the American Revolution to the present. Fall semester, odd-numbered years and spring semester, even-numbered years.

HI 424 History of the Trans-Mississippi West 3 Cr

A topical study of the Trans-Mississippi West from the late 18th through the 20th centuries. Special emphasis on the myths and symbolism of the West, and on the West's impact on the nation's attitudes and values. Fall semester, even-numbered years.

HI 486 Readings and Conference 1-3 Cr

An informal seminar course with readings and reports in selected periods of history. Offered by arrangement. Prerequisite: Consent of the department chairperson and Vice President for Academic Affairs. See Independent Study.

HI 493 Historical Research Practicum 3 Cr

A practical research course conducted at the Montana Historical Society. Designed to familiarize research-oriented students with research, methodology, and historical materials. Prerequisite: Junior standing and consent of the instructor. Offered each semester on an arranged basis. This course may be taken more than once.

HI 494 Historiography 3 Cr

A formal seminar which surveys theories and literature of history as seen in the work of a variety of historians. Emphasis will be on methodological and topical approaches. Required for all history majors. Offered annually in the Spring semester. Fulfills writing intensive requirement.

HI 495 Research Seminar in History 3 Cr

A formal seminar in which the students research, write, and evaluate major papers based on primary and secondary source materials. Required for all history majors. Fall semester.

HNR: Honors Scholars Program Interdepartmental

The following courses are required for students accepted and enrolled in Carroll's Honors Scholars Program. This sequence of five seminars explores the origins and evolution of the Western intellectual tradition. Reading for the ideas, concepts, and relationships in each of the historical periods helps prepare students for journaling, seminar discussions, essays, and final projects. Service learning and cultural events bring important external dimensions to each part of the sequence.

HNR 150 Classical Greek and Roman Thought 3 Cr

The Honors Scholars seminar series begins by the examination of the origins of philosophical speculations in the Greek and Roman worlds. Idealism and realism is explored through the dialogues, plays, and epics penned from 500 BC to 500 AD, which provide the basis for Western Thought. Spring semester of freshman year.

HNR 250 Judeo-Christian and Medieval Thought 3 Cr

The Honors Scholars seminar series continues with this overview of the origins and themes held within the Hebrew and Christian Scriptures. These origins and themes are then projected through the medieval period, 500 AD - 1500 AD, in treatises and in literature, including Old and Middle English epics and lyric poetry. Fall semester of sophomore year. Fulfills writing intensive requirement.

HNR 251 Renaissance Thought 3 Cr

The Honors Scholars seminar series continues with this overview of the flowering of the aesthetic sense, the rediscovery of classical thought, and the beginnings of the scientific revolution, via art, literature, and social theory, 1450 AD - 1600 AD. Spring semester of sophomore year.

HNR 350 Restoration and Enlightenment Thought 3 Cr

The Honors Scholars seminar series continues by weaving the rise of the scientific revolution with the leading social philosophies of the 17th and 18th centuries, including empiricism, rationalism, and idealism, including the roles of satire, farce, and drama in literature. Fall semester of junior year.

HNR 450 Modern Thought 3 Cr

The Honors Scholars seminar series continues with an examination of the romantic period of the early 19th century and extends into more recent theories and discourse revolving around self and society, including social and cultural developments through the 19th and 20th centuries through contemporary literature and science. Spring semester of Senior year.

HNR 495 Honors Thesis Seminar 1 Cr

A seminar, taken spring semester of the Junior year, in which students hone their research and critical thinking skills while addressing common problems with thesis-writing; share their work-in-progress; and explore the interdisciplinary implications of their thesis. Spring Semester of Junior year.

HNR 499 Honors Thesis

In order to graduate as Honors Scholars, students are required to complete an Honors Thesis.

HPE: Courses in Health and Physical Education

Department of Education: Health, Physical, and Teacher

HPE 101-102 Physical Education Activities 1-2 Cr Each

These courses will emphasize a variety of individual, dual, and group fitness activities for health and wellness. These courses are offered on a pass/fail grading system. A maximum of two 101-102 credits may be counted toward graduation credits.

HPE 103 Foundations of Health and Physical Education 3 Cr

A foundations course designed to acquaint the student with the philosophy, history, present status, and future role of health and physical education. The focus is on careers in health and physical education. Spring semester.

HPE 109 Techniques of Basic Skills in Physical Education 3 Cr

An introduction to basic motor skill development and its sequential application to specific movement patterns, including locomotor, non-locomotor, manipulative, rhythm and dance, and movement exploration. Included in this basic skill class is the teaching of knowledge and skills appropriate for the elementary health and physical education curriculum. The student will also learn how to select developmentally appropriate games and activities for elementary school children. Each semester.

HPE 135 Introduction to Wellness 3 Cr

An overview of the many facets of a healthy life-style; investigates the importance of responsibility for one's own health and discusses the application of fundamental tools to establish a life-style that promotes wellness. Fall semester.

HPE 150 Responding to Emergencies 2 Cr

This course provides a unique common sense approach that enables a person to provide appropriate emergency first aid care regardless of the situation. The course stresses the basic steps to follow in an emergency while waiting for more highly trained personnel to arrive on the scene. Students who successfully meet the requirements of the American Red Cross will become certified in Responding to Emergencies as a first-aid responder along with becoming certified in CPR. Spring semester.

HPE 200 Field Experience in HPE 1-3 Cr

Health and Physical Education majors pursuing concentrations in either sport management or community health will be assigned a field placement in an appropriate setting. During the semester, students will be required to spend three hours per week per credit in the assigned setting. Prerequisites: HPE 103, sophomore standing and consent of the instructor. Students must attend a placement meeting during the first week of classes. The time and place of this meeting will be listed in the schedule of classes. May not be taken concurrently with HPE 103. Each semester.

HPE 205 Coaching of Soccer 2 Cr

The fundamentals of coaching soccer. Reviews basic skills and rules of soccer, methods and techniques used to coach teams at various age levels, and other strategies necessary for successful coaching. Fall 2005; Spring 2007 and then Spring semester, odd-numbered years.

HPE 207 Coaching of Football 2 Cr

The study of modern offensive and defensive football systems and the strategies involved in successful coaching. Includes both 11-man and eight-man football. Spring semester; odd-numbered years.

HPE 209 Coaching of Basketball 2 Cr

The study of modern offensive and defensive basketball systems and the strategies involved in successful coaching. Fall semester; even numbered years.

HPE 210 Coaching of Wrestling 2 Cr

The study of modern offensive and defensive wrestling holds and techniques and the strategies involved in successful coaching. Spring semester; even-numbered years.

HPE 211 Coaching of Volleyball 2 Cr

The study of the fundamentals and techniques of power volleyball and the strategies involved in successful coaching. Fall semester; even-numbered years.

HPE 212 Coaching of Track and Field 2 Cr

The study of the fundamentals and techniques of track and field events and the strategies involved in successful coaching. Spring semester; odd-numbered years.

HPE 214 The School Health Program 2-3 Cr

Study of school personnel's role in the promotion of health and prevention of disease; focus is on the teacher's responsibilities in the comprehensive school health program. Presentation of health problems of school-aged children and youth; includes CPR and first aid certification. This course can be taken with CPR/First Aid Certification for 3 credits or without CPR/First Aid Certification

for 2 credits. Students majoring in a teacher licensure area must take the course for 3 credits. Students majoring in HPE may take the course for 2 credits if they are concurrently enrolled in HPE 150. Otherwise, they must take it for 3 credits. Each semester.

HPE 216 Methods of Teaching Health 3 Cr

A study of the principles, methods, materials, and resources involved in teaching health education. Spring semester; even-numbered years. Prerequisite: HPE 214

HPE 224 Comprehensive Experience in Athletics 2 Cr

Allows students to experience aspects of an athletic program in a more in-depth approach. The student will propose a comprehensive experience related to athletic programs, such as film exchange, budget issues, scheduling, practice/game preparation, training regimens, travel planning, or other approved projects, which will give the student a more comprehensive experience in athletics. Each semester.

HPE 234 Sports Nutrition and Conditioning 3 Cr

This course introduces the student to the study of the nutritional needs of physically active people. It explores fluid needs for exercise and guidelines to maintain optimal hydration, and it will describe weight management guidelines for health, physical fitness, and athletic performance. Students will learn to evaluate sports nutrition information, nutritional supplements, and ergogenic aids, as well as recognize signs of eating disorders and ways to prevent such problems. This course will also explore the fundamentals and special considerations of physical training and exercise. Fall semester.

HPE 301-302 Methods and Techniques of Teaching Fall/Spring Activities 6 Cr

This course provides the knowledge, theory and practical application of physical education within the secondary school setting. Students will learn about the various components of a secondary education and the methods and techniques used to teach and evaluate those components. Students will learn how to observe skill performance for analysis and correction of incorrect skill performance and skill progressions. Students will learn how to design and implement course lesson plans, set up appropriate skill practice sessions and evaluate cognitive knowledge of activities taught in the fall/winter and spring. HPE 301 is offered fall semester; even-numbered years. HPE 302 is offered spring semester; odd-numbered years. Prerequisite: Junior/senior status or consent of instructor.

HPE 314 Physical Education—Elementary School 3 Cr

This course provides the knowledge, theory, and some practical applications of physical education within the Elementary school setting. Students will learn about the various components of an elementary physical education program and will learn how to develop a year-long elementary physical education curriculum. Students will learn games and activities appropriate to the developmental level of elementary children, health promotion concepts, teaching methodology, evaluation techniques, and the importance of physical education as an integral part of general education. Prerequisite: HPE 109, junior/senior status, and admission to the Department of Education: Health, Physical, and Teacher. Each semester.

HPE 325 Applied Anatomical Kinesiology 3 Cr

Course includes the study of the anatomical locations, insertions, and actions of the major skeletal muscles, the structure and function of the major joints of the body, and a review of the skeleton. It will emphasize basic myology and osteology and their relationship to the science of body movement. Prerequisite: BI 102 or BI 171/172 or BI 201/202 and junior/senior status. Fall semester; odd-numbered years.

HPE 330 Introduction to Community Health 3 Cr

The course includes the history, evolution, and current status of health programs and services in the United States. It also presents the philosophical perspectives of various health disciplines and the paradigms of health education, health promotion, and community health in contemporary society. Prerequisite: HPE 135 & HPE 214. Spring semester; odd-numbered years.

HPE 340 Coaching Certification (ASEP) and Sport Management Techniques 2 Cr

This course is designed to help prospective coaches as well as those coaches already employed to do the following: Develop a positive coaching philosophy, better communicate with and motivate athletes, teach athletes the techniques and tactics of a sport, establish sage and effective training regimens, manage risks, schedule and manage athletic seasons and events, and aid students in securing A.S.E.P. Coaching Principles Certification. Spring semester; even numbered years.

HPE 402 Prevention and Treatment of Athletic Injuries 3 Cr

Includes the study of physical conditioning, bandaging and taping, physiotherapy and hydrotherapy, and diet in relation to athletics and physical education. Prevention of injuries, emergency first aid and rehabilitative methods, and training room procedures are covered. Spring semester; even-numbered years.

HPE 405 Senior Seminar 1 cr.

The purpose of this seminar is to provide senior level health and physical education majors information that will assist them in preparing for life. It serves as a writing forum for the preparation of professional portfolios and provides discussion of problems and experiences that arise during the internship. Each semester. Prerequisites: Senior standing, concurrent enrollment in HPE 415, admission to the internship program and consent of the instructor. Fulfills writing intensive requirement.

HPE 410 Management of Health and Physical Education Programs 3 Cr

The study of methods of organization and means of administration of health and physical education programs. Prerequisite: Junior/Senior standing. Spring semester, even-numbered years.

HPE 413 Exercise Physiology & Human Performance Testing 3 Cr

The study of basic physiological functions of the body and their response to exercise. Topics include muscle structure and function, responses and adaptations to exercise, energy metabolism, effects of exercise and training on body composition, aerobic and anaerobic fitness, and nutrition and other aids to performance. Prerequisites: BI 102 and junior/senior status. Spring semester; even-numbered years.

HPE 415 Internship 3-9 Cr

Health and physical education majors pursuing options in either sport management or community health will be assigned an internship in an appropriate setting. During the semester, students will be required to spend 9-27 hours per week in their assigned setting. Prerequisites: Senior standing, concurrent enrollment in HPE 405, admission to the Internship Program, consent of the department chairperson, and consent of the faculty supervisor. Applications for internships must be submitted by April 1 of the preceding year. Each semester.

IP: Courses in Intensive Language Studies International Programs

Course numbers below 100 do not apply toward an Associate of

Arts or Bachelor of Arts degree. Please contact the international programs director for more information about individual course listings.

IP 090	Writing	5 Cr
IP 091	Listening/Speaking	5 Cr
IP 092	Reading	5 Cr
IP 094	TOEFL/Computers	3 Cr
IP 095	Cultural Experiences and Applications	3 Cr
IP 096	Intermediate Writing	5 Cr
IP 097	Intermediate Listening/Speaking	5 Cr
IP 098	Intermediate Reading	5 Cr
IP 111-112	Advanced Writing	10 Cr
IP 113-114	Advanced Listening/Speaking	10 Cr
IP 115-116	Advanced Reading	10 Cr
IP 119	Cross Cultural Communication	5 Cr
IP 120	Grammar	5 Cr

IR: Courses in International Relations Interdepartmental

IR 486 Readings and Conference 1-3 Cr

An informal seminar with selected readings and reports on particular aspects of international relations. Offered by arrangement. Prerequisite: Consent of program director and Vice President for Academic Affairs.

IR 492 Internship in International Relations 6 Cr

An internship with the Department of Commerce of the State of Montana; requires twenty (20) hours of work per week and must be arranged through the director of Carroll's international relations program.

IR 495 Research Seminar in International Relations 3 Cr

A formal seminar in which students concentrate on researching, writing, and evaluating major papers in international relations based on both primary and secondary source materials. Required for all international relations majors. Fall semester. Fulfills writing intensive requirement.

IR 499 Honors Thesis 1-3 Cr

In order to graduate with honors in international relations, a student is required to complete an honors thesis.

LA: Courses in Latin

Department of Languages and Literature

A student with high school Latin should consult with the instructor for placement in courses.

LA 101-102 Introductory Latin 8 Cr

This course is designed to give students an introduction to Latin and some experience translating Latin authors. Latin grammar is presented in a way that is understandable to students and at the same time preserves what is best in the long tradition of classical scholarship. Class material reflects Roman thought, history, philosophy, and includes the most famous quotations and excerpts of the best Latin writers and thinkers.

LA 203-204 Intermediate Latin 8 Cr

This course builds on the fundamentals of the introductory class and develops proficiency in translating and understanding Latin and classical culture. Selected authors include Cicero, Horace, Pliny, Nepos, Livy, Vergil, Catullus, Martial, et al. Prerequisite: LA 101-102.

LAS: Liberal Arts Studies**LAS 101 Alpha Seminar 3 cr**

This course is to be taken during a student's first semester at Carroll College. Its purpose is to introduce students to the distinctive practices and values of a Catholic liberal arts education. The course revolves around an interdisciplinary project that incorporates instruction and practice in critical reading, writing and discussion. It also provides a forum for students to discuss co-curricular issues and opportunities at Carroll. The instructor of the Alpha Seminar serves as the initial academic advisor for the students in his or her class. A required CORE course. Normally students will not be allowed to withdraw from this class.

LAS 185 Career Development and Life Planning 1 cr

This course helps students to identify their career related interests and values, to develop their personal decision-making style. With a better understanding of self and a vision for one's personal future, students will learn how to pursue their career-related interests and apply them to the reality of the changing job market of the 21st century.

LAS 206 Perspectives on Gender 2 Cr

Perspectives on Gender takes an interdisciplinary look at males and females in society. With rotating faculty from various departments, we will explore how various academic disciplines address gender issues. Topics covered may include: the history of the women's movement; the biological basis of gender distinctions; feminist ethics; gender representations in the media; feminist literary theory; gender and religion; issues of gender in the business world; issues of gender in science; gender issues in children's literature. Offered every spring semester.

LL: Courses in Educational Linguistics**Department of Languages and Literature****LL 220 Introduction to Linguistics 3 Cr**

An introductory course in the basic concepts and methodology of linguistics (phonetics and phonology, morphology, syntax, semantics, pragmatics, sociolinguistics, and psycholinguistics). May be used for National Diversity or Global Diversity requirement.

LL 400 Theories and Methods of Learning and Teaching Language 3 Cr

Students will study critically the principal and alternative approaches in teaching and learning a second language and the linguistic, learning, and language acquisition theories upon which the approaches are based; discuss the nature of language, the constructive learning process, tacit versus propositional knowledge, the necessary and sufficient conditions for learning language, and education for humanization; and view and analyze videos and beginning language classes. Spring semester; odd-numbered years.

MA: Courses in Mathematics**Department of Mathematics, Engineering, and Computer Science****MA 105 Introduction to Contemporary Mathematical Applications 3 Cr**

A course for students with varied mathematical interests and backgrounds. Stresses applications of contemporary mathematics in modern society. Topics include management science, statistics, social choice, patterns, population sizes, and computers. Empha-

sizes conceptual understanding and appreciation. This course satisfies the Carroll College Core Curriculum for mathematics, but not as a statistics requirement. Prerequisite: Intermediate Algebra. Spring semester.

MA 112 Precalculus: Functions and Graphs 3 Cr

A comprehensive study of elementary functions to prepare students for a college course in calculus. Topics include a review of intermediate algebra including the solution of equations and inequalities, and an in-depth look at functions, inverse functions, their graphs, symmetries, asymptotes, intercepts, and transformations. Linear, polynomial, rational, radical, exponential, logarithmic, and trigonometric functions are studied, and graphing calculators are used extensively. Prerequisite: Mathematics preparation at least through Intermediate Algebra. Spring semester.

MA 117 Difference Equations and Linear Algebra 3Cr

Introductory college mathematics course in finite difference equations and linear algebra. Topics include sequences, differences, linear and nonlinear difference equations, systems of difference equations, numerical solutions of linear and nonlinear equations, and analytical techniques for solving linear systems using linear algebra. Applications from many fields are studied and the role of mathematical modeling is a central focus. Formal computer labs are a part of the course each week, with spreadsheets being the primary software employed. This course satisfies a Carroll College Core Curriculum for all students and the mathematics requirement for business majors. Prerequisite: three years of high school mathematics through Intermediate Algebra. Each semester.

MA 121 Differential Calculus 3 Cr

This is the first of a two-semester, six-credit calculus sequence. We begin the first semester by reviewing functions from several perspectives (symbolic, numeric, and graphic). For most of the course we study differential calculus, emphasizing how we can use calculus to understand real-world problems such as police radar detection, laying an oil pipeline around a swamp, and understanding motion. We use computers and calculators extensively, and we also focus on learning how to explain mathematics verbally and in writing. The sequence MA 121-MA 122 is considered to be equivalent to MA 131. Prerequisite: Four years of high school mathematics including precalculus.

MA 122 Integral Calculus 3 Cr

This is the second of a two-semester, six-credit calculus sequence. In this course we study topics in integral calculus, emphasizing how we can use calculus to understand real-world problems such as fluid pumping and lifting, how rain catchers are used in city drain systems, and how a compound bow fires an arrow. We use computers and calculators extensively, and we also focus on learning how to explain mathematics verbally and in writing. The sequence MA 121-MA 122 is considered to be equivalent to MA 131. Prerequisite: A grade of C or better in MA 121.

MA 131 Calculus of Single Variable Functions 4 Cr

This course covers all aspects of single-variable calculus including derivatives, antiderivatives, definite integrals, and the fundamental theorem of calculus. We highlight how we can use calculus to understand real-world problems such as laying an oil pipeline around a swamp, fluid pumping and lifting, and how rain catchers are used in city drain systems. We use computers and calculators extensively, meeting in the computer lab once each week. We also focus on learning how to explain mathematics verbally and in writing. This is the same material that is covered in MA 121-122, except this is an accelerated course that does not review precalculus material. Prerequisite: Previous calculus experience or strong precalculus background. Fall semester.

MA 201 Mathematics for Elementary Education I 3 Cr

A course primarily for prospective elementary teachers, designed to give a background in logic, set theory, the set of integers and their properties, the system of rational numbers, and real numbers as an extension of the rationals. Prerequisite: Intermediate Algebra. Fall semester.

MA 202 Mathematics for Elementary Education II 3 Cr

An extension of MA 201 into geometry and measurement, functions and their graphs, and a brief introduction to probability and statistics. Special emphasis will be given to the development of skills in problem-solving and to applications. Prerequisite: MA 201. Spring semester.

MA 207 Elementary Statistics 3 Cr

The basic concepts used in statistics such as measures of central tendency, variation, probability distributions, and statistical inference are stressed. Applications are made in the social, communication, health, biological, and physical sciences. This course does not count toward a major or minor in mathematics. Prerequisites: Intermediate Algebra. Each semester.

MA 232 Differential Equations & Linear Algebra I 4 Cr

This course is an introduction to difference equations, differential equations, and linear algebra. Specific topics include analytical and numerical solutions to difference equations and first-order linear differential equations, phase line analysis, stability of equilibrium, matrix equations and eigenvalues. We emphasize how this mathematics can be used on many real-world problems such as how to predict the spread of a disease, how a home mortgage works, and how to understand the growth of animal populations. We use computers and calculators extensively, meeting in the computer lab once each week. We also focus on learning how to explain mathematics verbally and in writing. Prerequisite: A grade of C or better in MA 131 or in MA 122. Spring semester.

MA 233 Multivariable Calculus 4 Cr

In this course we study multivariable and vector calculus including vectors, parametric equations, surfaces, partial differentiation, multiple integrals, and vector calculus. The big spotlight in this course is using these ideas to understand things like force fields, the flow of water, and magnetic fields. Once a week we meet in the computer lab to use the power of computers to focus on the visual aspects of these concepts to gain insight into more complex situations. We also focus on learning how to explain mathematics verbally and in writing. Prerequisite: A grade of C or better in MA 131 or in MA 122. Fall semester.

MA 301 Foundations of Mathematics 3 Cr

An examination of logic, sets, functions, and methods of proof as a foundation for the study of mathematics. Other topics covered include mathematical induction, recursive definitions, relations (equivalence relations), elementary number theory, transformational geometry, and some history of mathematics. Prerequisite: Grade of "C" or better in MA 233. Spring semester.

MA 328 Modern Applications of Discrete Mathematics 3 Cr

A look at some actual applications of discrete mathematics that emphasize such unifying themes as mathematical reasoning, algorithmic thinking, modeling, combinatorial analysis, the kinds of structures used in discrete mathematics, and the use of technology. Possible topics include cryptography, primes and factoring, computer passwords, networking problems, shortest paths, scheduling problems, building circuits, modeling computation, and correctness of algorithms. Three one-hour class periods with a substantial computing component illustrating the technology and the ideas

studied. Prerequisite: Grades of "C" or better in MA 131 or MA 121-122. Fall semester.

MA 334 Differential Equations & Linear Algebra II 4 Cr

In this course, we focus on both systems of differential equations, with special attention given to modeling, linearization, and equilibrium analysis; as well as the mathematical language of systems – linear algebra, especially transformations and vector spaces. We will motivate the material through applications such as population models, structural, and electrical systems, and linear algebra applications such as 3-D imaging, Markov processes, and Leslie matrices. Technology will again play a major role in this course, as we will have frequent computer demonstrations in class and weekly computer labs to explore the quantitative aspects of these topics. You will have the opportunity to explore topics beyond the textbook on a series of group projects throughout the semester. Prerequisite: A grade of C or better in MA 232. Spring semester.

MA 336 Probability and Statistics I 2 Cr

This course is a calculus-based introduction to basic concepts in probability and statistics. Topics in probability include: probability of simple and compound events; an introduction to discrete and continuous random variables including the uniform, binomial, and normal distributions, and random event simulation. Topics in statistics include statistical measures and graphs and simple linear regression. We begin to learn how to perform statistical analysis on data sets and draw appropriate conclusions based on their analysis. Prerequisite: A grade of C or better in MA 131 or in MA 122. Spring semester.

MA 341 Probability and Statistics II 3 Cr

A calculus-based course in applied probability and statistics. Many types of univariate and multivariate probability distributions are derived and applications are studied. Exposes the student to various decision-making techniques when working with statistical information. Students also gain experience with statistical computing software. Prerequisite: A grade of "C" or better in MA 336. Fall semester. Fulfills writing intensive requirement.

MA/CS 342 Numerical Computing and Visualization 3 Cr

In this course we study the basic numerical methods used by computers to solve a wide variety of problems, emphasizing how we can use graphics to understand how things work. We focus not just on how these methods work, but when they are appropriate, where they fail, and how to interpret their results. This course is designed around a series of open-ended projects based on real-world problems, such as how to predict the price of heating oil, testing rocket orbital trajectories, and studying the flow of heat throughout a building. The topics we study include least squares regression methods, interpolation, curve fitting, and the numerical solution of a wide range of differential equations (both ODEs and PDEs). Prerequisite: A grade of "C" or better in MA 334, or taken concurrently with MA 334. Spring semester. Fulfills Writing Intensive requirement.

MA 366 Junior Seminar 1 Cr

This is a one-credit, pass/fail, seminar-style course. There will be three main segments: select a faculty director for either an honors thesis or a senior project and write a research proposal, write a resume and research job opportunities, and write a graduate school essay and research graduate school opportunities. The overall goal of this course is to prepare students for their senior year and beyond. This course should be taken in the spring of the year before intended graduation (typically in the spring of the junior year). Spring semester annually.

MA 401 Modern Algebra and Applied Geometry 3 Cr

This course covers the traditional topics from abstract algebra, including groups, rings, integral domains, fields, and homomorphic and isomorphic relationships, as well as standard topics from geometry, including axiomatic systems in both Euclidean and Non-Euclidean geometrics and transformational geometry with vectors and matrices. The focus for the class is the contemporary applications of the concepts presented, together with the weaving together of geometric and algebraic themes. Linear algebra is the integrating theme. Prerequisites: Grade of “C” or better in MA 301.

MA/CS 403 Introduction to Modern Cryptography 4 Cr

This course is intended to be an introduction to the essential core areas of modern cryptography. We begin with a look at historical cryptography and then move into more modern concepts. Mathematical background is provided as needed and informal descriptions of the cryptosystems along with more precise pseudo-code descriptions are given. Algorithms and systems will be illustrated with many examples, and their mathematical underpinnings carefully explained. Because of the heavy use of mathematics made in this course (number theory, discrete mathematics, probability, linear algebra and probably some calculus), this course is cross-listed and may be taken either for mathematics or computer science credit. The course is lab-based with each lab illustrating cryptosystems and concepts studied in class. Prerequisites: Grades of “C” or better in MA 131 or MA 122 and MA 328. Fall semester.

MA 421 Mathematical Optimization, Applications, and Analysis 3 Cr

This course is a project-based exploration of topics in optimization and mathematical programming, such as linear, integer, nonlinear, and stochastic programming. We explore the modeling, algorithmic and heuristic solution approaches to, and sensitivity analysis of problems such as the Knapsack problem, Traveling Salesman problem, and the Ising spin glass problem. Computers and technology will again play an important role as we investigate both the implementation and the theoretical basis of solution techniques. This course will bring together topics from single and multivariable calculus, linear algebra, and probability. Prerequisite: Grades of C or better in MA 334 and in MA 336. Fall semester.

MA 471 History Seminar in Mathematics 1 Cr

This course in the history of mathematics is intended to give students an insight into some of the great masterpieces of mathematics, as seen in their historical contexts. Developing an understanding of the individuals who were the creators of mathematics helps one better appreciate their creations. Required course for mathematics secondary-education majors. Offered when demand is sufficient.

MLAS 200 Gateway Course in Latin American Studies 3 Cr

This beginning course is required for the minor in Latin American Studies (MLAS) and introduces students to a variety of academic disciplines and professional careers pertaining to Latin America. It is taught by the co-director of MLAS in collaboration with the participating Latin American studies faculty, and consists of readings, discussion, films, lectures and interviews with members of the Hispanic community of the northwestern United States. Immersion field trip over fall break. Fall semester, odd-numbered years.

MLAS 495 Capstone Seminar in Latin American Studies 1 Cr

This upper-division course is required for minors in Latin American studies. It is intended to help students 1) consolidate their work in Latin American studies, 2) reach a higher level of critical

perspective regarding Latin American affairs, and 3) complete final research papers concerning Latin America. Prerequisites include the successful completion of MLAS 200, SP 204, and 9 semester credits in residence at Carroll College in MLAS concentration or allied courses, or the instructor’s permission to enroll in the course. Spring semester, odd-numbered years.

MSL: Courses in Military Science (ROTC)**Department of Military Science**

The following MSL courses count as elective courses toward the graduation requirement of 122 credits for a bachelor of arts degree (66 credits for an associate of arts degree): MSL 101, 301, 302, 401 and 402. MSL 315 may count as a HPE activity credit. Other MSL courses do not count toward either graduation requirement.

MSL 101 American Defense Establishment 3 Cr

Introduces students to issues and competencies that are central to a commissioned officer’s responsibilities. Establishes framework for understanding officership, leadership, Army values and “life skills” such as physical fitness, time management, communications theory and practice (written and oral), and interpersonal relationships. These initial lessons form the building blocks of progressive lessons in values, fitness, leadership, and officership. Fall semester.

MSL 102 Basic Leadership 3 Cr

Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills and an introduction to counseling. Provides students with a basic understanding of situational leadership as it applies to the military and how the basic concepts and practices relate to individuals and organizations. Spring semester.

MSL 201 Individual Leadership Studies 3 Cr

Students identify successful leadership characteristics through observation of others and self through experiential learning exercises. Students record observed traits (good and bad) in a dimensional leadership journal and discuss observations in small group settings. Fall semester.

MSL 202 Leadership and Teamwork 3 Cr

Study examines how to build successful teams, various methods for influencing action, effective communication in setting and achieving goals, the importance of timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback. Practical exercises with upper-division ROTC students. Spring semester.

MSL 203 Ranger Challenge 1 Cr

Practical hands-on training in rappelling, rope bridges, land navigation, marksmanship, and physical conditioning. A team selected from this class will represent Carroll College in the Big Sky Task Force Ranger Challenge Competition. Fall and Spring semester

MSL 204 Leadership Practicum 1 Cr

Intensive supervised study in applied leadership and management development in an organizational setting. Prerequisite: Consent of the instructor.

MSL 301 Leadership and Problem Solving 3 Cr

Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities. Corequisite: MS 303. Restricted to contracted Military

Science students. Fall semester.

MSL 302 Leadership and Ethics 3 Cr
Examines the role communications, values, and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey Army leadership doctrine. The leader's role in planning, directing and coordinating the efforts of individuals and small groups in tactical missions. Corequisite: MS303. Restricted to contracted Military Science students. Spring semester.

MSL 303 Leadership Laboratory 1 Cr
Practical application of skills learned in the classroom. Restricted to contracted Military Science students. Fall and Spring semester.

MSL 315 Drill and Conditioning 1 Cr
This course prepares students and cadets for the physical challenge of leading soldiers and familiarizes students with Army physical fitness standards and training. Students participate in physical training to improve muscular strength & endurance, cardio respiratory endurance, core stability, flexibility, and body composition (fat versus lean body mass). Individual progress is measured by assessments throughout the semester. Fall and Spring semester

MSL 401 Leadership and Management 3 Cr
Develops student proficiency in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developmental counseling techniques. The application of leadership principles and techniques involved in leading young men and women in today's Army. Restricted to contracted Military Science students. Fall semester.

MSL 402 Officership and Ethics in the U.S. Army 3 Cr
Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills. Understanding of the ethical components of the Uniform Code of Military Justice and civil rights legislation. Restricted to contracted Military Science students. Spring semester.

MSL 403 Advanced Leadership Practicum 1 Cr
Study and internship in military tactics, leadership and organizational behavior. Supervised by Active Duty military officers. Prerequisite: Consent of instructor. Restricted to contracted Military Science students. Fall semester.

MSL 404 Advanced Leadership Practicum 1 Cr
Study and internship in military tactics, leadership and organizational behavior. Supervised by Active Duty military officers. Prerequisite: Consent of instructor. Restricted to contracted Military Science students. Spring semester.

MUS: Courses in Music

MUS 109 Musicianship I 3 Cr
Introduction to music reading and keyboard playing. Emphasis on the elements of music through the study of keyboard technique and performance, solo and ensemble repertoire, music theory, harmonization, transposition, and composition. No previous musical background is required. Each semester.

MUS 119 Sight Singing and Aural Skills 3 Cr
An introduction to aural skills with an emphasis on sight singing, rhythmic and melodic identification, analysis and creation of melody, and simple part-singing designed for aural development. Materials will focus on rhythm and meter, basic conducting patterns, diatonic melodies, and use of solfege. This course emphasizes the aural component of musicianship and is highly recommended for anyone interested in music performance of all kinds. No previous musical background is required. Each semester.

MUS 125-225 Voice I and II 3 Cr Ea
A series of courses beginning with the production of sound and from there, depending on individual talent and interest, building a varied repertoire that may include folk, musical theatre, classical and operatic selections.

Voice I explores the production of sound and prepares the student for performance. Emphasis is on the individual's voice, breathing, bringing sound to the mask of the face, strengthening and expanding the range, acoustics and care of the voice. Students explore toning, Gregorian chant, technical and interpretational aspects of music and monologue. Students present staged selections for an on-campus-by-invitation-only performance final at the end of the semester. Voice I is open to all students and is a prerequisite for Voice II.

Voice II emphasizes sight-reading, ear training, blending voices into multiple harmonies, exploring the musical genre, expansion of a varied repertoire and working with a professional accompanist. The staged performance final is developed by students and performed off campus, providing practical application of communication skills learned in Voice I. Prerequisite: Voice I.

MUS 129 Vocal Ensemble 1 Cr
Open to qualified singers by audition. The group performs a diverse repertoire and performs for special events on and off campus. Optional credit. Pass/Fail grading. Prerequisite: Audition with instructor. Each semester. Does not satisfy CORE fine arts.

MUS 131-132 Pep Band 1 Cr
Pep band is open to interested instrumentalists. Rehearsals are once a week for 2 hours and performances include home sporting events and other activities. Repertoire includes mainly contemporary rock and pop material. One credit may be earned for each semester of participation. Grading is pass/fail. Available each semester. Does not satisfy CORE fine arts requirement.

MUS 165 Pop, Rock, and All That Jazz 3 Cr
Examination of the development and use of all types of music in the United States, covering folk traditions, church music, popular and commercial music, the musical stage, and the fine-art tradition. Special emphasis on current phenomena of commercial and media music. Guided listening to recording. No previous musical background is required. Fall semester.

MUS 199 Music Practicum 1-2 Cr
Students can earn credit for participating as musicians in musical productions or performing arts organizations under the guidance of qualified music directors. Music performances may be on the Carroll Campus or elsewhere in the Helena community, such as participation in the Helena Symphony Orchestra and Chorale (subject to openings). Enrollment for credit in Pep Band is under a separate heading. A minimum of thirty (30) hours of participation is required for each hour of credit. Evaluation is conducted by music faculty in consultation with the music director. Optional pass/fail grading. Prerequisite: Interview and/or audition with music faculty. Each semester. Does not satisfy Fine Arts CORE Curriculum requirements.

MUS 209 Musicianship II 3 Cr
 Further development of musicianship, with emphasis on keyboard repertoire, harmonization, accompanying, score reading, analysis of diatonic materials, composition, transpositions of instruments, and improvisation. Topics include further study in meter and rhythm, major and minor scales, intervals, diatonic triads and seventh chords, chord inversion, non-chord tones, melodic variation, phrase structure and form. Prerequisite: MUS 109 or consent of instructor. Fall semester.

MUS 261 Music Appreciation 3 Cr
 An introduction to the fine-art music tradition of Western civilization. Intended to acquaint the listener and non-musician with the basic repertoire of concert music. Emphasis on guided listening; concert attendance required. No background in music is required. Each semester.

MUS 303 Music of the 20th Century 3 Cr
 Investigation of style developments in music since Stravinsky and Schönberg (c. 1900) and in art since the Impressionists and Post-Impressionists (c. 1800). Guided listening, slide lectures, discussion, compositional projects in real and stored-time music, as well as projects in the visual and plastic arts. No background in music is required. Two 90-minute classes per week. Spring semester.

MUS 309 Musicianship III 3 Cr
 The study of chromatic harmony and 20th century compositional techniques through analysis, composition, arranging for instruments, keyboard harmony, and improvisation. Continued work on keyboard repertoire and performance. Topics include secondary dominants, modulation, large forms, extended tertian chords, jazz harmony, set theory, and 12-tone serialism. Prerequisite: MUS 209. Spring semester.

MUS 399 Music Projects 1-3 Cr
 An opportunity for qualified music students to participate in musical productions or performing arts organizations, in roles with a significant amount of responsibility and leadership. Projects may include activities related to music such as performance, directing, research, or internship. Prerequisite: At least twelve (12) credits of college-level music courses and consent of the music faculty following extensive interviews. Offered each semester by prior arrangement. Does not satisfy Fine Arts CORE Curriculum requirements.

MUS 475 Applied Music 1-3 Cr
 Private study on an instrument or in voice with a local private teacher approved by the music faculty. Students must have prior music study on the instrument/voice. Students are personally responsible for financial arrangements with the private teacher. Evaluation is conducted by music faculty in consultation with the private teacher at the end of each semester. Pass/fail grading only. May be repeated each semester. Does not satisfy Fine Arts Core Curriculum requirements.

NU: Courses in Nursing

Department of Nursing

NU 101 Introduction to Professional Nursing 2 Cr
 The purpose of this course is to begin a discovery into the science and art of nursing. Exploration will be focused on the history and future of nursing, nursing as a profession, nursing roles, nursing as an integral part of the healthcare delivery system and health promotion concepts. No prerequisites. Fall and spring semester.

NU 201 Fundamentals and Health Promotion 4 Cr
 The purpose of this course is to apply the nursing process while learning fundamental nursing skills. Emphasis is given to health promotion and the aging adult. The course has one component, approximately 2 semester hours, focusing on the nursing process and basic nursing procedures beyond those of a Certified Nursing Assistant, to be taken by all students wishing to pursue nursing as a major. The second component of the course is specifically designed for those with no experience as a Certified Nursing Assistant. Nursing procedures are practiced in the laboratory and in the community with basically well adults who are in need of personal care and health promotion nursing assistance. Prerequisites: CH 111, PSY 105, NU 101, EN 102, CO 101, BI 201, BI 202. Or concurrent CH 112. Fall semester.

NU 202 Assessment and Health Promotion 4 Cr
 The purpose of this course is the acquisition of beginning level health assessment for the professional nurse. Content for the course focuses on health assessment and health promotion for the well and ill adult. This course includes three hours of theory, one 3-hour lab per week, and one hour individual lab practice. Prerequisites: CH 111, PSY 105, NU 101, EN 102, CO101, BI 201, BI 202. Or concurrent: CH 112. Fall semester.

NU 208 Basic Nutrition 3 Cr
 This course covers the major classes of nutrients and their main functions, how nutrients are digested and absorbed throughout the lifecycle, and the relationship between certain nutrients and diseases. This course will assist students in offering basic nutritional guidance to clients through the lifespan. Prerequisites: CH 111, CH 112. Spring semester.

NU 301 Care of the Childbearing Family 4 Cr
 This course introduces the student to family health nursing theory and nursing practice with emphasis on the childbearing family and well-child. Nursing care of the childbearing family from conception, to pregnancy, through childbirth and the postpartum period, including care of the newborn and pediatric client is presented within the context of a family-centered, developmental approach. The concepts of family structure, functions, values, culture, and spirituality are explored and applied to health promotion interventions for the childbearing family. Prerequisites: NU 201, NU 202. Or concurrent: BI 214. Fall and spring semester.

NU 302 Psychosocial Health 4 Cr
 The exploration of selected psychosocial concepts and theories basic to nursing practice. The use of self as a therapeutic agent is emphasized in the promotion of psychosocial health. Students develop strategies of intervention based on the nursing process, nursing theories and research. Clinical experience is provided within an inpatient psychiatric treatment facility. Prerequisites: NU 201, NU 202. Or concurrent: BI 214. Fall and spring semester.

NU 304 Illness Across the Lifespan I 4 Cr
 Utilizes applications of the nursing process and management of pathophysiological problems in providing nursing care to the ill child, adult, and geriatric clients and their families in the acute care and community settings. Assessment of the physiological, psychological, sociocultural, and spiritual factors influencing existing or potential health problems provides direction for nursing management. This course includes a weekly three-hour laboratory experience in nursing skill development that focuses on the mastery of core scientific principles that underlie all skills, thus preparing the student nurse to incorporate current and future technological skills into other nursing responsibilities, and apply skills in diverse context of health care delivery. Prerequisite: NU 301, NU 302, NU 308. Spring semester.

NU 305 Clinical Nursing Care I 4 Cr
Utilizes a head to toe assessment and management of symptoms of pathophysiological problems affecting the child, adult and geriatric client in an acute care setting. The emphasis is to maximize the quality of life and maintain an optimal level of functioning throughout the course of the illness. Clinical experiences will be related to classroom content. Prerequisites: NU 301, NU 302, NU 308. Spring semester.

NU 307 Nursing Research 3 Cr
NU 307 is an introduction and exploration into the basic understanding of the processes of theory, research, database evaluation and evidence-based practice. Prerequisites: NU 301, NU 302, MA 207. Spring semester.

NU 308 Pathophysiology and Pharmacology 3 Cr
The study of underlying changes in body physiology that result from disease or injury and result in alteration in body structure and function in adults and children. The mechanisms and clinical manifestations associated with various diseases are explained according to body systems. The interrelationships of factors that contribute to increased morbidity and disease are discussed. Objective and subjective perspectives are studied that take into account the complex interactions among body, mind, and spirit. Basic pharmacological principles are studied to create an understanding of how drugs affect human beings across the lifespan. Application of the nursing process to drug therapy is identified. Specific categories of drugs and their therapeutic effects and potential toxicities are examined in conjunction with disease processes. Prerequisites: BI 214. Or concurrent: NU 301, NU 302. Fall semester.

NU 404 Illness Across the Lifespan II 4 Cr
Utilizes the nursing process and management of pathophysiological problems for providing care to ill persons across the lifespan with acute and chronic conditions. Assessment of physiological, psychological, sociocultural, and spiritual factors that influence existing or potential health problems is considered. Prerequisites: Completion of 300-level nursing courses. Fall semester.

NU 406 Nursing Management 4 Cr
This course explores the relationship between management and leadership. The student will consider and practice the skills needed by a nurse manager to effectively plan, organize, staff, direct and control nursing and health care as it is provided by groups of workers. In this course, the student is beginning the process of being socialized into the novice registered nurse role. This role development is accomplished by having the student consider the staff and management roles as interdependent. Prerequisites: Completion of 300-level nursing courses. Fall and spring semester. Fulfills writing intensive requirement.

NU 413 Clinical Nursing Care II 3 Cr
NU 413 is the clinical experience for Illness Across the Life Span II. Utilizing the nursing process, the student cares for the child, adult and geriatric client in acute care settings. The student will also observe and participate in the care of home health clients under direct supervision and participate in interdisciplinary team meetings. The emphasis is to maximize quality of life and maintain optimal level of functioning. The concepts of critical thinking, problem solving, decision-making, and priority setting are emphasized utilizing the nursing process as the foundation. Collaboration, communication, delegation, and patient teaching are incorporated into the total care of the client/family. Prerequisite: Completion of 300-level nursing courses. Fall semester.

NU 414 Community Health Nursing 4 Cr
The student will apply all previously gained knowledge from course work toward the baccalaureate in nursing to working with individuals, families, and communities and other aggregates. The concept of community health nursing being a blend of nursing and public health science is central to the course. The epidemiological process is introduced as the unifying concept for the wide range of programs and services found in community health. The nursing process is applied in providing services to the community as client. Beginning skills in assessing health needs of communities in order to identify high-risk groups are practiced. Coordination with other disciplines to provide disease prevention, health promotion, and protection interventions is stressed. The impact of the external environment on the health of individuals, families, and aggregates is emphasized. The student examines the role of the nurse as an advocate for health care policy to ensure the health of populations. Prerequisites: completion of 300-level nursing courses, NU 404, NU 413. Spring semester. Fulfills National Diversity requirement.

NU 417 Capstone Clinical 4 Cr
The Capstone Clinical is designed to assist students in the integration of the competencies essential for the practice of professional nursing. During the semester, the student will progress from a structured supervised framework of practice to a framework where the student becomes able to have general supervision from the faculty and agency preceptors. The clinical site will be dependent upon the student's needs based upon the joint analysis of the student and faculty prior to the placement. A 1-credit NCLEX Lab will be taught during the spring semester of the senior year as part of the Capstone Clinical course (students taking NU 417 in the fall for 3 credits will take the 1-credit NU 417 Lab in the spring). This lab is intended to assist the student's own preparation for their NCLEX examination. Students will be expected to retain accountability and responsibility for their personal NCLEX preparation plan and for the completion of their preparation plan. The lab will utilize on-line computerized resources, information from multiple published written NCLEX review resources, as well as NCLEX review DVD resources. Prerequisites: completion of 300-level nursing courses, or concurrent NU 414, NU 413. Fall and spring semester. (NU 417 Lab offered only in spring).

NU 420 Professional Role: Leader 3 Cr
The purpose of this course is for the student to develop a personal pledge to becoming a nursing leader. The overall concept for the course is that all professional nurses are leaders – (not just those in who are in positions of authority) and that professional nurses need to develop their leadership role and abilities in order to create nursing's preferred future of quality health care for all. Through classroom presentations and discussions, selected readings, examinations and the development of a personal leadership portfolio, the student will engage in a semester long journey into the exploration and commitment to leadership. Prerequisites: completion of 300-level nursing courses. NU 404, NU 413. Spring semester.

NU 430 Cardiac Nursing 1 Cr
This course will prepare students with knowledge and skill of Advanced Cardiac Life Support (ACLS). Skill development will focus on the mastery of core scientific principles of Advanced Cardiac Life Support sponsored by the American Heart Association. Prerequisites: Completion of 300-level nursing courses. Offered at the discretion of the department.

PAD: Courses in Public Administration**Department of Business, Accounting, and Economics****PAD 205 Introduction to Public Administration 3 Cr**

The course focuses on the public sector with specific emphasis on the role of the manager in directing public institutions. Skill development and understanding of policy-making, management, and professional ethics are key course objectives. Designed to prepare students for service at municipal, state, and federal levels of government. Fall semester. Fulfills writing intensive requirement.

PAD 412 Administrative Internship 3 Cr

An opportunity to apply former course work to administrative responsibilities in a public sector work environment. Prerequisite: Consent of the chairs of the Business, Accounting, and Economics Department and the Political Science Department.

PHIL: Courses in Philosophy**Department of Philosophy**

All 100 and 200 level philosophy courses may be taken in any order, and any one of them will satisfy CORE requirements. 100 level courses are usually more general introductory courses, while 200 level courses focus on some specific area or topic of philosophy. All philosophy courses numbered 300 or above have a prerequisite of one previous philosophy course or consent of the instructor.

PHIL 101 Perspectives in Philosophy 3 Cr

This course acquaints students with philosophical thinking and writing, as well as some of the literature and ideas from various historical periods which constitute the humanities. As time permits, audiovisual and experimental approaches will be used in lectures. Each semester.

PHIL 107 Ethics 3 Cr

An analysis of the basic moral concepts of goodness, right, and obligation and an overview of the ways in which these concepts operate in such contexts as society, religion, and the law. Applications of these discussions to contemporary moral issues. Each semester.

PHIL 113 Formal Logic 3 Cr

The analysis and construction of arguments using strict rules which determine valid from fallacious reasoning. Notation and procedure related to mathematics may be used for parts of the course. Not recommended as a second core course after PHIL 114 Critical Thinking. Fall semester.

PHIL 114 Critical Thinking 3 Cr

The informal logic of the use of language in everyday contexts. Emphasis on variable factors within ordinary argument situations, such as disagreements, ambiguity, generalization, and analogy. Analysis of extended arguments in different areas of general interest. Not recommended as a second core course after PHIL 113 Formal Logic. Spring semester.

PHIL 121 Philosophy of Human Being 3 Cr

An introduction to philosophy through a consideration of the human orientation to knowledge, meaning, and values, as well as the human possession of body, spirit, and freedom. A critique of the concepts of human being found in traditional and contemporary sources. Subject matter is particularly useful to students in biology, psychology and the social sciences. Each Fall; Spring semester, odd-numbered years.

PHIL 151 Ancient Philosophy 3 Cr

An examination of philosophical speculation through its origins in the Greek and Roman worlds. Special emphasis on the idealism of Plato and the realism of Aristotle as the systematic foundations of Western thought. Fall semester.

PHIL 202 Medieval Philosophy 3 Cr

Latin thought from early Christian times through the late Middle Ages and Renaissance. Emphasis on the great neo-Platonic and neo-Aristotelian syntheses. Some acquaintance with Plato and Aristotle would be helpful. Spring semester.

PHIL 203 Islam: Philosophy and Culture 3 Cr

This course of study is designed to introduce students to the Islamic faith and its expression in a variety of cultures around the world. Because Islam is reality-defining for its adherents, the Islamic faith will be examined by reviewing its philosophy, theology, and social dimensions. No prerequisites. Taught annually (at least one semester each year). Fulfills Global Diversity requirement.

PHIL 206 Environmental Ethics 3 Cr

Environmental Ethics studies how human beings conceptualize their concern for the environment, their place in nature, and the kind of world in which people might flourish. The class questions what the extent and basis of that concern might be, by studying proposed philosophical approaches to environmental and ecological issues. Spring semester, even-numbered years.

PHIL 207 Business Ethics 3 Cr

The philosophical examination of business and business life and their relationship to the good life. Includes an analysis of economic justice, corporate and personal responsibility, moral conflicts, human rights, and the meaning of work. Case studies to assist students to make rationally defensible moral judgments. Fall semester.

PHIL 208 Bioethics 3 Cr

A critical examination of moral issues that arise in medicine and related fields, including the right to life, informed consent, confidentiality, medical experimentation, reproductive control, and allocation of scarce resources. Case studies to assist students to make rationally defensible moral judgments in accord with sound moral principles. Spring semester.

PHIL 216 Philosophy of God and Religion 3 Cr

Rational reflection on the existence of God, what can be said about God, and the relationship between human beings and God. This course would be of special interest to students in theology. Spring semester; even-numbered years.

PHIL 223 Oriental Philosophy 3 Cr

An historical overview of the principal philosophies of Eastern nations, including Hinduism, Buddhism, Confucianism, and Taoism. An assessment of the philosophical status of Oriental thought. Fall semester; even-numbered years. May fulfill global diversity requirement.

PHIL 252 Philosophy and History of Science 3 Cr

An exploration of the philosophical aspects of science and its methods. The influence of modern scientific inquiry on other disciplines, society, and religion. Spring semester; odd-numbered years.

PHIL 255 Philosophy of Art and Beauty 3 Cr

An analysis of concepts used in discussions of art and beauty and an attempt to understand various art forms (such as the visual arts, music, and literature). The nature of art criticism and the purpose of art. Fall semester; odd-numbered years.

PHIL 256 Social and Political Philosophy 3 Cr
A critical review of theories of political, social, and economic organization. Analysis of the philosophical foundations of these accounts and their consequences. Spring semester.

PHIL 303 Modern Philosophy 3 Cr
The leading participants in the philosophical dialogue of the 17th through 19th centuries, including British empiricism, Continental rationalism, and German idealism. Prerequisite: Previous philosophy course or consent of instructor. Fall semester; odd-numbered years.

PHIL 304 Contemporary Philosophy 3 Cr
An investigation of recent traditions and problems within philosophy and a discussion of philosophical issues raised in contemporary literature, focusing on developments in 20th century culture and society. Prerequisite: Previous philosophy course or consent of instructor. Spring semester; even-numbered years.

PHIL 310 Metaphysics 3 Cr
A critical consideration of metaphysical thinking and an attempt to speak about the nature of reality, of “being as being,” and about the various categories of being. Prerequisite: Previous philosophy course or consent of instructor. Spring semester; odd-numbered years.

PHIL 313 Epistemology 3 Cr
Discussion of standard questions in the theory of knowledge, including the meaning of “to know,” the distinction of knowledge from belief, the various sources of knowledge, the justification of knowledge claims, and the nature of evidence and truth. Prerequisite: Previous philosophy course or consent of instructor. Fall semester; even-numbered years.

PHIL 324 Ethical Theory 3 Cr
An intensive exploration of enduring theoretical issues in ethics such as relative and absolute moral laws, subjective and objective components of moral knowledge, the relation of facts in nature to human values, and the place of reason in ethical decisions. Prerequisite: Previous philosophy course or consent of instructor. Spring semester; even-numbered years. Fulfills Writing Intensive requirement.

PHIL 495 Philosophy Seminar 3 Cr
A discussion of selected philosophical issues or important texts with contributions by students and faculty. Required of all philosophy majors and minors, but also open to interested students from other departments who have obtained the permission of the Philosophy Department. Prerequisite: Previous philosophy course or consent of instructor. Fall semester; odd-numbered years.

PHIL 496 Ethical Issues in Contemporary Media 3 Cr
The media’s presentation of contemporary ethical issues has brought many of these into popular discourse. This seminar will review specific media presentations of these issues, clarify their philosophical implications, and discuss various resolutions based on recognized ethical theories. The seminar is taught fall semester every even-numbered year.

PHYS: Courses in Physics

Department of Natural Science

PHYS 103 Physical Science 4 Cr
One-semester course designed to meet the physical science requirement for elementary education or the science requirement for the CORE. Topics will include mechanics, heat, electricity, magnetism, sound, and light. Additional topics may include chemistry, fluids,

nuclear physics, or astronomy. Three one-hour lectures and one 2-hour laboratory per week. Prerequisite: none. Equivalent of high school algebra recommended. Fall Semester. Lab fee required.

PHYS 201 Physics I: Mechanics, Wave Motion, & Sound 4 Cr
An introductory calculus-based physics course, with emphasis on the principles of physics, for health science majors. Topics include classical mechanics, oscillatory (wave) motion, sound, and the behavior of solids and fluids. Three hours lecture and one 2-hour laboratory per week. Prerequisites: Proficiency in high school algebra and trigonometry or MA 112. Students must pass prerequisites with a grade of “C” or better to enroll in PHYS 201. Fall semester.

PHYS 202 Physics II: Thermodynamics, Electricity and Magnetism, Optics, and Modern Physics 4 Cr

A continuation of PHYS 201. Topics include thermal physics, electrical and magnetic phenomena, simple electrical circuits, optics, and quantum physics. Three hours lecture and one 2-hour laboratory per week. Prerequisite: PHYS 201. Students must pass prerequisites with a grade of “C” or better to enroll in PHYS 202. Spring semester.

PHYS 205 Engineering Physics I: Mechanics 4 Cr
For mathematics and engineering majors. Statics, kinematics, and dynamics of particles and rigid bodies, work and energy, conservation of energy and momentum (linear and angular), harmonic motion. Three (3) hours lecture and one two-hour laboratory per week. Prerequisite: MA 122 or MA 131 required, high school physics recommended. Students must pass prerequisites with a grade of “C” or better to enroll in PHYS 205. Fall semester.

PHYS 206 Engineering Physics II: Electricity and Magnetism 4 Cr

Electrostatics and Gauss’ Law, dielectrics, DC circuits, electromotive force, magnetic field and magnetic properties of matter. Three (3) hours lecture and one two-hour laboratory per week. Prerequisite: PHYS 205 required, high school physics recommended. Students must pass PHYS 205 with a grade of “C” or better to enroll in PHYS 206. Spring semester.

PHYS/ENGR 305 Electronics and Circuit Analysis I 4 Cr

An introductory survey of the behavior of electrical circuits. Review of current, voltage, and passive circuit elements (resistors, capacitors, and inductors). Kirchhoff’s Laws, network theorems, and basic network analysis. General characteristics of amplifiers and electronic instrumentation. Introduction to operational amplifiers and active elements (transistors). Laplace transform analysis of transient (switching) response, and complex phasor analysis of sinusoidal steady-state response. Three (3) hours lecture and one 2-hour laboratory per week, in which students build and test circuits and learn how to use typical circuit simulation software (PSPICE). Prerequisites: Grades of “C” or better in PHYS 202 or PHYS 206, and MA 122 or MA 131. Fall semester.

PHYS/ENGR 306 Electronics and Circuit Analysis II 4 Cr

A continuation of PHYS/ENGR 305. Systematic node-voltage and mesh-current methods of circuit analysis. Network transfer functions and frequency spectra. Mutual inductance and transformers. Diode circuits and the behavior of single-transistor amplifiers using field-effect or bipolar-junction transistors. Analysis and design of digital logic circuits. Principles of operation and interfacing of typical laboratory instruments. Three hours lecture and one 2-hour laboratory per week. Prerequisite: Grade of “C” or better in PHYS 206 and MA 232. Offered spring semesters if warranted by sufficient demand.

PHYS/ENGR 308 Thermodynamics 3 Cr

A practical introduction to thermodynamics for engineering students. Fundamental state variables are defined (e.g., temperature, pressure, energy, enthalpy, entropy, etc.), and the three laws of thermodynamics are extensively discussed and illustrated. Applications include power systems, gas turbines, and refrigerators. Three hours lecture per week. Prerequisites: Grades of “C” or better in PHYS 205-206 and MA 233. Spring semester.

PHYS 321 Geometrical Optics 1 Cr

A survey of geometrical optics, including lenses, ray-tracing, analysis of simple optical instruments (microscopes, telescopes) and an introduction to interference phenomena. This course consists of the first five weeks of PHYS 323. Two 75-minute periods per week, one of which may be used for laboratory exercises. Prerequisite: PHYS 206. Offered fall semesters if warranted by sufficient demand.

PHYS 322 Modern Physics 3 Cr

An introduction to the highlights of twentieth-century physics: quantum mechanics, special and general relativity, and selected topics in atomic and nuclear physics. Students pursuing a Physics minor (but not a Physics for Secondary Education minor) are required to co-enroll in PHYS 322L. Three hours lecture per week. Prerequisite: PHYS 205 or PHYS 206. Offered spring semesters if warranted by sufficient demand.

PHYS 322L Mathematical Methods of Modern Physics 1 Cr

A computational laboratory section which meets once per week, required of students pursuing a Physics minor. (Students pursuing a Physics for Secondary Education minor need to enroll in PHYS 322 only). This laboratory section explores in more mathematical detail such topics as solutions of Schrodinger’s equation, relativistic transformations, Monte Carlo simulations, and chaotic dynamics. One 2-hour laboratory per week. Prerequisites: PHYS 206 and co-enrollment in PHYS 322. Offered spring semesters if warranted by sufficient demand.

PHYS 323 Optics and Electromagnetic Radiation 3 Cr

A survey of geometrical and physical optics, including the behavior of electromagnetic radiation across the spectrum. Topics include the dual wave/particle nature of radiation, lenses and ray-tracing, analysis of simple optical instruments (microscopes, telescopes), interference and diffraction phenomena, lasers and holography. Two 75-minute periods per week, one of which may be used for laboratory exercises. Prerequisites: PHYS 206. Offered fall semesters if warranted by sufficient demand.

PO: Courses in Political Science**Department of Political Science****PO 100 Justice and the Just Society: Introduction to Politics 3 Cr**

This course introduces students to the basic concepts and realities of political life by exploring the role of politics and the state for the creation of a just society. The age old quest for justice will take us back to early classical and medieval understandings of justice. The course will close with aspects of contemporary legal and social justice and the central importance of the rule of law in making a just society possible. Fall semester.

PO 104 American National Government 3 Cr

An introduction to the institutions of American national government. The focus will be on the presidency, congress, courts, and the system of federalism. The class will also probe national elections, political parties, interest groups, and concepts of “checks and balances” and “separation of powers.” This course is required for all

political science majors and minors. Fall semester.

PO 115 International Relations 3 Cr

An introduction to world politics covering the problems of war and peace, power politics, global economic issues, human rights, diplomacy, and recent crises. A prime objective is to develop students’ capacity to critically analyze international behavior. Spring semester. Fulfills global diversity requirement.

PO 201 Introduction to the Legal Profession 1 Cr

An introduction to various aspects of the legal profession. Lectures by attorneys, law clerks, and judges; supplemented by films and field trips. Pass/fail only. Spring semester; even-numbered years.

PO 206 Modern Political Ideologies 3 Cr

This course is an introduction to the dominant and challenging political persuasions of the modern world, including liberalism, conservatism, socialism, fascism, and nationalism. The course also considers environmentalism as a developing postmodern ideology. Required of all political science majors and minors. Fall semester.

PO 210 Introduction to Constitutional Law 3 Cr

This general survey course is an introduction to some of the key Supreme court decisions in the development of constitutional law in the United States. Through analysis and briefing of cases, students will be able to develop their thinking and writing skills while they learn how constitutional doctrine emerges and changes in areas such as separation of powers, federalism and civil liberties as the ongoing struggle to interpret the meaning of our Constitution continues. Fall semester, odd-numbered years.

PO 216 American Political Thought 3 Cr

This introductory course surveys the central issues of American political thought from the founding of the Republic to the present. The focus will be on selected critical periods in American history characterized by heightened conflict over America’s operative ideals, including revolutionary America and the struggle over the Constitution, the Civil War, Depression and New Deal, and the Vietnam era. Spring semester; odd-numbered years.

PO 222 U.S. Foreign Policy 3 Cr

An examination of the changing international perspectives, policy instruments, and processes of decision making underlying American foreign policy since 1945. Major objectives of the course include an appreciation of the complexity of interests that shape foreign policy and the development of an analytical capacity to evaluate the ways in which U.S. power has been projected abroad. Fall semester.

PO 230 Montana State Politics 3 Cr

An introductory analysis of Montana state politics and political institutions. Emphasis will be placed on Montana politics since the 1972 State Constitutional Convention. Spring semester; odd-numbered years.

PO 244 Contemporary Global Issues 3 Cr

Examination of various conceptions of world order by focusing on the effects of globalization, both positive and negative, on governments and people around the globe. The quest for a just world order will be an underlying theme of this course. Fall semester, odd-numbered years.

PO 250 Contemporary Issues in American Politics 3 Cr

An introduction to the major public policy issues in American politics. Course examines the creation and definition of public issues as well as the formulation of public policy solutions. The problems and issues examined will reflect dominant national concerns. Spring semester.

PO 280 Introduction to Comparative Politics 3 Cr

This course introduces students to government and politics outside the United States. The workings of different forms of government will be studied in a variety of countries each year. Required of all political science majors and minors. Spring semester.

PO 306 Data Analysis for Public Policy 3 Cr

This course is about how we study politics by various methods of gathering information and analyzing it. Course material is designed particularly for students of political science, international relations, and public administration who wish to develop basic research and policy analysis skills. Much of the course will deal with the use of quantitative methods for analyzing political problems. Students should have a background in algebra. Recommended for juniors. Spring semester; even-numbered years.

PO 311 American Presidency 3 Cr

An examination of the personal and institutional powers of the American presidency. Special emphasis will be given to exploring presidential elections and the various domestic and foreign policy responsibilities of the office. Spring semester, even-numbered years.

PO 312 Elections, Political Parties, and Public Opinion 3 Cr

An exploration of U.S. elections, political parties, and public opinion and their contribution to the democratic process. The course will specifically examine the origins of individual political opinions. Spring semester, odd-numbered years.

PO 314 Public Administration and Politics 3 Cr

This course will explore the political behavior and the influence of public bureaucracies. We will examine public organizations as political institutions capable of affecting the course of public policy. Fall semester; odd-numbered years.

PO 316 U.S. Congress 3 Cr

An examination of the structure and powers of the U.S. Senate and House of Representatives. Attention will be given to exploring congressional elections and voting behavior, as well as legislative powers and congressional-executive relations. Spring semester; odd-numbered years.

PO 319 Urban Politics 3 Cr

A study of urban problems and municipal government in the U.S. The class will involve historical analysis of cities and a contemporary examination of urban politics and the urban problems of race and economic development. Fall semester; even-numbered years.

PO 324 Western European Politics 3 Cr

A comparative study of cabinet formation, electoral systems, and political economy among European parliamentary democracies, particularly Britain, France, Germany, and Italy. Includes analysis of the changing political and military context in post-Cold War Europe, the process of democratization in Central and Eastern Europe since 1989, and the pressures for expansion of the European Union. Prerequisite: HI 307. Fall semester.

PO 328 The Developing World 3 Cr

A critical examination of social, political, and economic problems associated with development in the Global South. Students will analyze various ideas and trends in the field and assess the strengths and weaknesses of competing models of development. Fall semester; even-numbered years. Fulfills global diversity requirement.

PO 330 Topics in Political Theory 3 Cr

This upper-division discussion seminar focuses on perennial, basic concepts in political theory, such as justice, democracy, liberty, or community as examined through the writings of selected ancient,

modern, and contemporary theorists. The seminar has also been organized thematically (e.g., utopian political thought, ecological thought in America, modernity and postmodernity). Previous lower division study of political ideas is helpful but not required. Fall semester.

PO 342 War and Peace 3 Cr

Presents a critical examination of contending conceptions of international security, the policy making process as it relates to the formulation of national security priorities, and the role of weapons and force in foreign policy. In short, we will examine age-old questions pertaining to war and peace in the contemporary world. Spring semester; even-numbered years.

PO 348 International Negotiation Simulation 3 Cr

The first part of this course prepares students for participation in an intercollegiate simulation involving negotiations on various international issues by studying how foreign policy is formulated in different countries, reviewing general principles of international relations, analyzing competing negotiation strategies, and researching contemporary issues of global concern. The last part of the course involves student participation in an international negotiation simulation with other collegiate teams via computer networks. Spring semester, odd-numbered years. Fulfills global diversity requirement.

PO 411 Political Internship Program Cr Arranged

Students participate as interns at various levels of state and local government. They develop work and study details of this internship experience by close and continual consultation with their political science advisor. Prerequisites: PO 230; junior or senior standing; consent of the Department. This course may be taken more than once.

PO 417 Legal Internship Program 3 Cr

Practical work experience in a professional legal environment. Students keep a daily journal of their experiences and arrange further study and paper requirements with the pre-law advisor. Prerequisite: PO 201 and junior or senior standing. This course may be taken more than once.

PO 494 Research Seminar in Political Science 3 Cr

A formal seminar in which students concentrate on researching, writing, and evaluating major papers in Political Science based on both primary and secondary source materials. Strongly recommended for Political Science majors who are writing an honors thesis or planning to attend graduate school. Fall semester. Fulfills writing intensive requirement. PENDING APPROVAL.

PO 495 Senior Seminar 3 Cr

An informal seminar course with selected readings and student research and presentations. Required of all political science majors and minors. Spring semester. Prerequisite: senior standing.

PSY: Courses in Psychology

Department of Psychology

PSY 105 General Psychology 3 Cr

An introduction to the principles of behavior through an analysis of the explanatory concepts, research methodologies, and contemporary issues in psychology. This is a survey course and is team-taught, thus exposing students to all areas of expertise within the Department. Each semester.

PSY 107 An Introduction to Human-Animal Bonding 3 Cr

This freshman level course is designed to introduce students to the

role of companion animals in society today. The course will explore the relationship between humans and their animals. The process of domestication and socialization of animals in our culture and in other cultures will be presented. Students will be introduced to “attachment theory,” the biological basis of bonding, critical periods of development, and the importance of enrichment for animals in captivity. Animal welfare and ethics will be an important component of this course. Fall semester.

PSY 108 Survey of Animals in Service 3 Cr

The main objective of this course is to expose students broadly to the many and varied ways that animals are used in a form of service and support. It will also include agencies that work with animals outside the specific role of “service therapy” such as the Humane Society and the Montana Department of Fish, Wildlife and Parks. This course will explore the many different ways that animals are important and valuable to humans. Students will become more aware of what it is like to have a disability and how animals play a role in assistance. It will emphasize the role of specific training and relationships required for the animals to be working partners with their handlers. This course requires a partnership between the St. Francis Institute and various organizations and individuals in the greater Helena area. These agencies and individuals will share with our students the role that their animals play in their work. There will be a major writing component to this class. Open to all students. Spring semester.

PSY 200 Emotional Intelligence and Personal/ Professional Success 1 hour

Emotional intelligence refers to the dimension of intelligence that is responsible for our ability to manage ourselves and our relationships with others. Research suggests that the skills involved with high emotional intelligence are primary for career success, and it separates performers from those who do not succeed. This course introduces students to theories of emotional intelligence, exposes them to research supporting the concept, and gives them tools to assess and develop their own emotional intelligence. Spring semester.

PSY 203 Developmental Psychology 3 Cr

An examination of the human life cycle with a focus on the behavioral processes and major influences unique to each stage of development. Prerequisite: PSY 105. Each semester.

PSY/SO 216 Social Psychology 3 Cr

An introduction to and an analysis of social interaction, including the social aspects of personality, social attitudes, group behavior, and the influences of social institutions on individual behavior. Prerequisite: PSY 105 or SO 101. Fall semester. May fulfill national diversity requirement.

PSY 222 History and Systems in Psychology 3 Cr

A study of the major influences of philosophy and physiology on the development of modern psychology. The purpose of this course is to provide students with an education in the roots of psychology and an appreciation for the contributions of the great schools of thought. Prerequisite: PSY 105. Spring semester.

PSY 227 Child Psychology 3 Cr

A developmental approach to the cognitive, physical, and psychosocial aspects of school-aged children. Each semester.

PSY 228 Adolescent Psychology 3 Cr

A developmental approach to the cognitive, physical, and psychosocial aspects of adolescence. Each semester.

PSY/ED 229 Educational Psychology 3 Cr

A study of the psychological theories and principles that affect teaching and learning in educational environments. The focus of this course is on the theories and methods associated with the process of learning as well as the application of this knowledge in a variety of classroom environments. Twenty hours of exploratory in a public school classroom will be required unless 20 hours of school exploratory was accomplished in ED 102. Secondary students will observe at the fifth or sixth grade level. Prerequisite: PSY 105 or PSY 227 or PSY 228. Each semester.

PSY 304 Theories and Practice in Counseling Psychology 3 Cr

This course is designed to introduce students to the theoretical models, research findings, and practical techniques of counseling and psychotherapy. Intended for students who plan to become counselors. Prerequisite: PSY 105 and junior status. Spring semester.

PSY 305 Junior Seminar 1 Cr

This course meets once per week to discuss issues of importance to those pursuing a career in psychology or related discipline. Topics will include career exploration, preparations for the GRE, APA writing style, graduate studies and schools, thesis projects, internships, and more. Psychology students are required to attend and participate. Fall semester.

PSY 306 Abnormal Psychology 3 Cr

An empirically oriented analysis of contemporary as well as historical approaches to defining, explaining, and changing maladaptive human behavior. This course focuses on those behavior patterns that impede people from leading happy, meaningful, and productive lives. Prerequisite: PSY 105. Fall semester.

PSY 307 Learning and Cognition 3 Cr

The course thoroughly covers principles and theories involved in the complex learning process. Practical information for improving both teaching and learning also are covered. The course exposes students to both behaviorists and cognitive theorists. All students conduct learning experiments during class and provide interpretation of results. Fall semester.

PSY 308 Health Psychology 3 Cr

This course will provide an overview of the emerging field of health psychology and its contributions to our health care systems. Biopsychological approaches to health also will be examined. Course content will emphasize human behaviors that contribute to illness and those that facilitate health and well-being. Excellent elective course for those majoring in nursing or studies in pre-medicine. Spring semester.

PSY 309 Research Methods I 4 Cr

This course provides skill training in descriptive, experimental and quasi-experimental research methodologies. Descriptive methodologies and data analyses include distributions, normative data analysis and correlations. Experimental and quasi-experimental methodologies include data analyses involving t-tests, one-way analysis of variance and two-way analysis of variance for factorial designs. Emphasis is placed on being able to determine the correct methodology and data analysis for a given research question. In addition to developing critical analytical skills students are required to complete a research project and submit it written in APA style. Prerequisites: Junior status, psychology major and MA 207. Fulfills writing intensive requirement. Spring semester.

PSY 310 Research Methods II 4 Cr

Building on skills acquired in Research Methods I, students will become involved in the application of research methods in the fol-

lowing domains: Developmental Psychology, Social Psychology, Personality Psychology, Clinical Psychology, Forensic Psychology, Community Psychology, and Consumer Psychology. Students will critique and redesign research strategies used in these domains. In addition, students will complete a research project that requires either experimental or quasi-experimental methodology and submit an APA write up on this project. It is expected that students will strongly consider using this course project as a pilot project for an honors thesis and/or submission for publication. Prerequisites: PSY 309, senior status, psychology major. Fulfills writing intensive requirement. Fall semester.

May fulfill writing intensive requirement.

PSY 311 Theories of Personality 3 Cr

This course explores the major theories of personality in terms of philosophy, science, and application. Students will become acquainted with a wide variety of theoretical approaches from the well known to the less well known. Prerequisite: PSY 105. Fall semester.

PSY 320 Clinical Issues with Children and Adolescents 3 Cr

This course is designed to expose students to the fundamental issues encountered in the treatment of behavior problems and mental illness in children and adolescents. The course will emphasize methods for facilitating healthy change and will include relevant theory and research in the field. Lecture will cover topics ranging from child protective services interface to the use of psychotropic medications. Spring semester. Prerequisites: PSY 203, PSY 227, PSY 228.

PSY 414 Physiological Psychology 4 Cr

This course is the first half of a year-long course in biopsychology. The course is concerned with the history of the field; structure and function of neurons, neural communication, neuroanatomy; and research methods. A laboratory section includes films, computer simulations, and sheep brain dissection. Prerequisite: BI 102 and senior status; psychology major or consent of instructor. Fall semester.

PSY 416 Brain and Behavior 4 Cr

Building on information learned in PSY 414, students study the physiological basis of reproductive, emotional, stress, communicative, and ingestive behavior. Students also examine the biological aspects of mental disorders, such as anxiety, schizophrenia, autism, and addictism. This course is excellent preparation for graduate studies in psychology, medicine, or allied health fields. The laboratory section includes short projects in stress, films, field trips, and computer-guided learning tasks. Prerequisite: PSY 414. Spring semester.

PSY 417-418 Psychology Practicum 1-3 Cr

PSY 425 Psychology Internship

A program that provides upper-division psychology students with professionally supervised practical experience in the application of psychological principles and techniques in the areas of counseling, teaching, research, and community health. Prerequisites: Junior or senior status and consent of the Psychology Department. Both semesters.

PSY 486 Readings, Research or Teaching 1-3 Cr

This is an individualized instruction course through which the student engages in library and actual research on a topic designed in conjunction with a psychology faculty member. The student must engage in weekly conferences with the supervising faculty member and submit a written document describing readings and

research conducted. It may also include working as a tutor for the general psychology course.

SA: Courses in Study Abroad Interdepartmental

SA 275 Study Abroad 3-6 Cr

Recognizing the value of a global diversity experience, and in the spirit of cross-cultural inquiry, Study Abroad offers students the genuine opportunity to interact within the cultural milieu of another country, or countries, through a variety of scheduled Study Abroad journeys. Coordinated by the Study Abroad Director, faculty for Study Abroad courses are selected according to academic area of expertise, or through demonstrated significant personal/professional knowledge and experience within the country, or countries, to be visited. Faculty or qualified staff may also be selected for specialized opportunities, as approved by the Study Abroad Director, the Academic Dean and the President. Specific academic requirements for credit within an approved Study Abroad experience generally include pre-trip readings and meetings with faculty involved, a journal chronicling the experience, and a final academic paper and conference with faculty involved. Individual academic departments offering course credit for Study Abroad experiences shall specify additional requirements and protocols. Course may be repeated for credit with approval of departments involved. Cultures and Natural History of Belize, Exploring Compassionate AIDS Care in Southern Africa, and International Experience in Italy fulfill Global Diversity requirement.

SO: Courses in Sociology

Department of Sociology & Anthropology

SO 101 Introduction to Sociology 3 Cr

Survey of the basic concepts and methods with an emphasis on sociology as a mode of analysis. Introduces the student to a sociological way of thinking to better understand one's self and others. This study of behavior utilizes materials drawn from contemporary American society. Each semester.

SO 102 Introductory Field Service in Sociology 1 Cr

Practicum of supervised work and observation in approved social agencies rendering direct service to clients or client systems. Agencies include those dealing with hunger, suicide prevention, etc. The course also offers readings related to major issues. Strongly recommended for those considering a career in the human services. Prerequisite: Concurrent enrollment in SO 101. Fulfills National Diversity requirement.

SO 200 Social Problems 3 Cr

An in-depth examination and discussion of selected American social problems, including poverty, sexism, racism, family violence, and health issues. Recommendations for alleviation of the problems with a particularly Christian viewpoint. Prerequisite: SO 101. Spring semester, even-numbered years. Fulfills national diversity requirement.

SO 202 The Culture and Justice System of Ireland 3 or 6 Cr

A sociological, inter-cultural, first-hand study of the Irish culture and criminal justice system. Particular emphasis is given to the manner in which the culture and history of Ireland have influenced the Irish justice system. Similarities and differences of Irish and American culture are highlighted. Students study by way of readings and tour the manner in which these aspects have effected the

criminal justice systems of both cultures. Students will visit Irish courts, prisons, gaols and garda stations, as well as culture highlights of Dublin, Cork, Galway, Dingle, Beara, Wexford and Waterford. Prerequisites: SO 101 and SO 309 or a tour of a U.S. prison and permission of instructor. Limited enrollment selected by the instructor according to background of students, class standing, other courses taken in preparation as well as ability to function within a small group in an intimate setting within the Irish culture. Course will ordinarily be offered during even-numbered summers as part of session I. Fulfills global diversity requirement.

SO/AN 204 Cultural Anthropology 3 Cr

An analysis of the nature of culture and society and a survey of the range of cultural phenomena with emphasis placed on social structures and the dynamic interrelationship existing between the various social institutions. Even-year, Fall semester. Fulfills global diversity requirement.

SO/AN 208 The Family 3 Cr

Anthropological and sociological investigation of the marriage and family institutions in various cultures and their influences upon both individuals and social organizations. Analysis of family communications; one's choices in relationships; parenting; life transitions; and roles of gender, property, power, and love in marriage and family. Prerequisite: SO 101 or consent of instructor. Odd-year, Fall semester. Fulfills national Diversity requirement.

SO 215 Contemporary Issues in Rural and Urban Sociology 3 Cr

This course examines sociological processes in the urbanization of societies. Problems concerning both rural and urban life will be covered, as well as efforts to build community from the local level to that of the "global village". The conflicting interests that farmers, ranchers, environmentalists, developers, urban planners, business, government and other groups have in these issues are presented and analyzed. Prerequisite: SO 101. Offered every third semester (Spring 2009). Course may be repeated. Fulfills national diversity requirement.

SO/PSY 216 Social Psychology 3 Cr

An introduction to and an analysis of social interaction, including the social aspects of personality, social attitudes, group behavior, and the influences of social institutions on individual behavior. Prerequisite: PSY 105 or SO 101. Fall semester.

SO/AN 218 Introduction to Native American Studies 3 Cr

An overview of American Indian histories, cultures, religions, and philosophies. The course examines the continuity between traditional and contemporary ways of life, Native American education, and American Indians in Montana. Every semester. Fulfills national diversity requirement.

SO 220 Sociology of Sport 3 Cr

This course examines sports in American society. It helps the student to understand the reciprocal influences between sports and our culture, including social values, education, socialization, deviance, minority and female athletes, and the mass media and money. Sports is placed within the context of social institutions including the family, politics, economics, religion, etc. The course is designed to be a part of the student's development of a healthy, analytic view of sports and leisure that will facilitate longevity and good health. Field experiences and observations will be included. Summer session as scheduled.

SO 262 Alcoholism, Drug Abuse, and Dependent Behavior 3 Cr

A holistic approach with a particularly sociological emphasis re-

garding the use and abuse of alcohol, other psychoactive drugs, and dependency behaviors, e.g. gambling and sexual addiction. Upon completion of the course, students will understand problems of addiction, methods of prevention and control, theories of causation, and the disease concept. They will know various treatment methods. Prerequisite: SO 101. Spring semester.

SO 291 Social Gerontology 3 Cr

This course presents the many (physical, social, family, emotional, public policy, and other) dimensions of aging within the context of current sociological, gerontological, and other social theories. Empirical facts on aging include a background on social science research methods used to gain such knowledge. This course includes guest lectures by community professionals working in gerontological fields, as well as elderly individuals. Prerequisite: SO 101. Offered every third semester (Spring 2008).

SO 309 Crime and Criminology 3 Cr

A survey of findings, myths, and perspectives on crime. A wide variety of types of crime are studied, including violent, white collar, sex, corporate, and organized crime. Theories regarding crime and proposed solutions to crime are examined. Recommend concurrent enrollment in SO 310. Prerequisite: SO 101. Offered every third semester (Spring 2008). Fulfills national diversity requirement.

SO 310 Field Service in Sociology of Crime 1 Cr

Practicum of supervised work and observation in approved social agencies rendering direct service to clients or client systems involved with crime including prevention and/or rehabilitation; related readings. Strongly recommended for those considering a career in law, law enforcement, corrections, social work, or counseling. Corequisite: CO 309.

SO 312 Juvenile Delinquency and Deviant Behavior 3 Cr

Course emphasizes juvenile delinquency and the juvenile justice system; includes theories on juvenile delinquency, mental illness, drug abuse, and sexual deviance; and examines the role of institutions and various treatment methods. Strongly recommended for those interested in careers in law, probation, parole, human services, or social work. Prerequisite: SO 101 or consent of instructor. Corequisite: SO 313 is recommended. Offered every third semester (Fall 2007). Fulfills national diversity requirement.

SO 313 Field Service in Sociology of Juvenile Delinquency 1 Cr

Practicum of supervised work and observation in approved social agencies rendering direct service to clients or client systems involved with crime including prevention and/or rehabilitation; related readings. Strongly recommended for those considering a career in law, law enforcement, corrections, social work, or counseling. Corequisite: SO 312. May fulfill national diversity requirement.

SO 314 Sociology of Law 3 Cr

Examination of social processes involved in enacting legislation, law enforcement, and judicial decisions along with the roles of lawyers, judges, and others in both civil and criminal systems. Recommended for those interested in law, law enforcement, or areas related to the legal system. Prerequisite: SO 101 or consent of instructor. Offered every third semester (Fall 2009). Fulfills global diversity requirement.

SO/AN 317 Ethnic and Racial Relations 3 Cr

An anthropological and sociological examination of ethnic and racial relations within and between different socio-cultural groups, including an analysis of ethnic differences and the various patterns of individual, social, social psychological, and cultural relationships.

Prerequisite: SO 101. Even-year, Spring semester. Fulfills National Diversity requirement.

SO/AN 318 American Indians 3 Cr

An in-depth examination of selected Native American groups, cultural areas, and contemporary issues, such as Tribal Law, Federal and State legal issues as they pertain to American Indian Treaty issues including water, hunting, and fishing rights, or Native American Spirituality. Prerequisite: SO/AN 204 or SO/AN 218. Odd-year, Spring semester. Fulfills global diversity requirement.

SO 331 Social Science Research Methods 4 Cr

An overview of the principles, methods, and practice of research in the social sciences. The course will assist students in research design, case studies, conducting field research, analyzing and evaluating their research data, conducting needs assessment, program evaluation, and practice effectiveness. Prerequisites: SO 101; MA 207; Junior status. Spring semester.

SO 335 Domestic Violence 3 Cr

Domestic Violence includes violence against spouses and partners, children, and elders in our society. It is a serious and often hidden problem. The Judicial Committee of the United States Senate estimates that close to 5 million assaults, murders, and rapes are committed against women in their homes each year. The statistics in reported incidences of reported child abuse are staggering and increasing dramatically. And while men are often too embarrassed to report it, men also are raped and battered. In this course we will use the sociological imagination to shift through competing perspectives on the causes of this violence. Prerequisite: SO 101.

SO 351 Medical Sociology 3 Cr

Course develops an appreciation of the role of sociology and social sciences in the study of health and medical care. Treatment of patients, functioning of health care systems, and many of the problems confronting modern medical care which relate to sociology and the social sciences. Recommended for those considering a career in medicine, health care delivery, or social work. Prerequisite: SO 101 or consent of instructor. Fall semester. Fulfills Global or National Diversity requirement.

SO 352 Field Service in Medical Sociology 1 Cr

This course is a practicum consisting of supervised work and observation in approved health care agencies which render direct service to clients or client systems. Agencies include hospitals, clinics, and other agencies that provide opportunities for student interaction with patients and health care professionals. Some readings along with course material from SO 351 will be utilized in order that the student may relate the practical experience to theoretical and other course material. Corequisite: SO 351. Fall semester. Fulfills National Diversity requirement if SO 351 is not used for Global Diversity requirement.

SO 392 Modern Social Theory 3 Cr

This course introduces students to important theoretical tools that will enable them to see the world as sociologists do and, in the process, assist them in constructing new theories as social contexts continually change. In addition to highlighting the contributions of some of the discipline's founding theorists (e.g., Marx, Weber, Durkheim and Mead), the course will focus on five of the most significant theoretical perspectives in sociology; conflict theory, functionalism, symbolic interactionism, phenomenological sociology and feminist theory. Prerequisite: SO 101, Junior Standing. Fall semester.

SO 425 Sociology Internship 3-6 Cr

This course is an internship consisting of supervised work experi-

ence and an intern observation in approved social service and governmental agencies which render direct service to clients or client systems. Students are placed in agencies which correspond to their major area of study. Agencies include those dealing with the juvenile and criminal justice system, those serving the needy, those engaged in health care delivery, and governmental agencies. Readings will be assigned and periodic individual meetings with each student's sociology advisor will be held. No more than six (6) credits of SO 425 may apply to a student's total major requirements. Prerequisites: Senior standing; consent of instructor.

SO 495 Senior Seminar 3 Cr

A comprehensive review and professionalization for seniors graduating in sociology, including an analysis of the sociology profession, a survey of literature, and direction in the formulation of a semester project. Satisfies the comprehensive examination requirement. Prerequisite: SO 392. Fall semester. Fulfills Writing Intensive requirement.

SP: Courses in Spanish

Department of Languages and Literature

A student with high school Spanish should consult with the instructor for placement in courses, and see index for page number for Language Placement Guidelines.

SP 101-102 Acquisition of Spanish I and II 6 Cr

Participants in these introductory seminars read, write, listen, and discuss current events as well as cultural, political, economic, and psychological topics. Learners acquire vocabulary in authentic communicative contexts and build the structural foundations of the language necessary to understand and communicate progressively and adequately in Spanish. Offered annually. Prerequisites: None for SP 101; SP 101 or equivalent for SP 102. Fulfills global diversity requirement.

SP 150/250/350 Intensive Spanish Immersion Abroad 6 Cr

This program consists of three levels of proficiency: SP 150 for students with no prior knowledge or experience with Spanish, SP 250 for students who have successfully completed SP 102 or have the equivalent knowledge or experience with Spanish, and SP 350 for students who have successfully completed SP 204 or have the equivalent knowledge or experience with Spanish. The program offers the student the opportunity to become immersed in the Spanish language while experiencing the cultural and societal conditions of the country where the program takes place. The methods used in this program are intended to foster the acquisition of Spanish both in and out of the classroom. The acquisition will take place through students' and teachers' active interaction with the language and daily life in the host country. Students will read, write, and speak Spanish on a daily basis and will be required to analyze social, political, and cultural aspects of their surroundings. Through this process, students also will have the opportunity to develop new perspectives with regard to peoples of other cultures and a point of comparison upon which to base questions of human existence.

SP 203-204 Acquisition of Spanish III and IV 6 Cr

While continuing to pursue topics from the introductory seminars, participants begin to read Hispanic short stories and texts examining contemporary and historical issues in Latin America and Spain. Students also examine language issues they have encountered in their discussions and compositions. Offered annually. Prerequisites: SP 102 or its equivalent for SP 203; SP 203 or its equivalent for SP 204. Fulfills global diversity requirement.

SP 205-206 Spanish Conversation 3 Cr

This course fosters and improves the student's spoken facility with Spanish through perceptual encounters with the language and through each student's actions to understand and be understood in a variety of contexts. Instruction involves participants in extensive and intensive conversation, listening, and reading through active, open, and authentic dialogue. Prerequisite: SP 204 or consent of instructor. Spring semester. Fulfills global diversity requirement.

SP 301-302 The Hispanic Short Story I and II 6 Cr

Participants in this course become critically conscious of major cultural, political, economic, and psychological themes as conveyed in short stories. Through thoughtful discussion and composition, students deepen their knowledge and appreciation of Hispanic literature while developing facility in reading, speaking, and writing. Prerequisite: SP 305. Offered at the discretion of the Department. Satisfies CORE literature. SP 301 fulfills global diversity requirement.

SP 304 Spanish Phonetics and Phonology 3 Cr

This course is an introduction to the science of language. Students will examine the linguistic features of speech synchronically, diachronically, and dialectically; study different varieties and registers of spoken Spanish; focus on articulatory phonetics; learn how to transcribe speech and written texts to the International Phonetic Alphabet (IPA); and consider how to analyze, describe, and explain linguistic data, including sound changes. Prerequisite: SP 204. Fall semester.

SP 305 Reading and Writing in Spanish 3 Cr

This course will facilitate the transition from early Spanish acquisition courses to upper-level courses in which more precision is required with respect to both receptive and productive aspects of the language. Prerequisite: SP 204 or the consent of the instructor. Fall semester. Fulfills global diversity requirement.

SP 306 Spanish Morphology and Syntax 3 Cr

Students develop their Spanish grammar by examining texts and their own essays in Spanish to resolve grammatical problems. In addition, students are introduced to the study of syntax, morphology, and sociolinguistics as the field pertains to grammatical varieties and changes. Prerequisite: SP 204. Spring semester.

SP 401-402 Culture and Literature of Spain I and II 6 Cr

This course is a survey of the history, civilization and literature of Spain from ancient to modern times. The course covers the arts, literature, economics, education, and geography, as well as important events that have shaped the psychology of the Spanish people. Prerequisite: SP 305. Offered at the discretion of the Department. Satisfies CORE literature. Fulfills global diversity requirement.

SP 403-404 Culture and Literature of Latin America I-II 6 Cr

This course is a survey of the history, civilization, and literature of Latin America from the pre-conquest to modern times. The course covers the arts, literature, economics, politics, customs, and geography, as well as important events that have shaped the psychology of the Latin American people, including the issue of underdevelopment of the different countries. Prerequisite: SP 305. Offered at the discretion of the Department. Fulfills global diversity requirement.

SPED: Courses in Special Education

Department of Education: Health, Physical, and Teacher

SPED 300 Introduction to Exceptional Children 3 Cr

The purpose of this course is to provide a broad overview of special education and the characteristics and needs of children and youth with disabilities. Historical perspectives, legal aspects, the full range of educational exceptionalities, and teaching strategies are surveyed. Prerequisite: ED/PSY 229. Each semester.

SPED 301 Characteristics of Learning Disabilities 3 Cr

Study of the meaning and concepts associated with the field of learning disabilities and the varying characteristics of individuals with these disabilities. Topics include the nature, causes, assessment, and treatment of learning disabilities. Prerequisite: SPED 300. Spring semester.

SPED 302 Characteristics of Mental Retardation 3 Cr

Study of the meaning and concepts associated with the field of mental retardation and the characteristics of individuals with this disability. Topics include the nature, causes, assessment, and treatment of mental retardation. Prerequisite: SPED 300. Spring semester.

SPED 303 Characteristics of Emotional Disturbance/Behavior Disorders 3 Cr

Study of the meaning and concepts associated with the field of emotional disturbance and the characteristics of individuals with this disability. Topics include the nature, causes, assessment, and treatment of emotional disturbance. Prerequisite: SPED 300. Fall semester.

SPED 323 Assessment and Evaluation in Special Education 3 Cr

The assessment and evaluation of learning and behavior problems of students with learning disabilities, mental retardation, and emotional disturbance/behavior disorders at the preschool through secondary levels. Emphases are on students' use and evaluation of current assessments in special education and their use in the development of individualized educational programs. Prerequisites: SPED 300; SPED 301 or SPED 302 or SPED 303; or consent of instructor. Fall semester.

SPED 408 Methods for Teaching Students with Mild Disabilities 3 Cr

Students will develop, implement, and evaluate curricula for students with mild disabilities (learning disabilities, mental retardation, and emotional disturbance/behavior disorders) at the preschool through secondary levels. Individualized education program planning, research-based teaching strategies and materials appropriate for students with mild disabilities are emphasized. A 35 hour practicum experience in a classroom with students with disabilities is required of all students. Prerequisites: SPED 300; SPED 301 or SPED 302 or SPED 303; or consent of instructor. Spring semester.

SPED 413 Speech, Language and Hearing Disorders 3 Cr

This course will examine the impact of speech disorders, language disorders, and hearing loss on the educational process of students with these specific challenges. The course will address the regular and special educator's roles in working with these students and in collaborating with other specialized professionals who work with these students. Prerequisite: SPED 300. Fall semester.

TESOL: Courses in Teaching English to Speakers of Other Languages

Department of Education: Health, Physical, and Teacher

TESL 391 TESOL Methods and Applications: Listening and Speaking 3 Cr

The course provides students with analysis and applications of TESOL methods. Students will develop their own methods in preparation for teaching both listening and speaking skills. Students' methods will be integrated within the framework of a syllabus that includes instructional activities examined in class. Fall semester; odd-numbered years. Fulfills Global Diversity requirement.

TESL 392 TESOL Methods and Applications: Reading and Writing 3 Cr

The course will provide students with a comprehensive understanding of TESOL methods and techniques. Students develop their own methods and materials for teaching TESOL techniques to cross-cultural students. Spring semester. Fulfills Global Diversity and Writing Intensive requirement.

TESL 430 TESOL Practicum 4-6 Cr

A practical learning experience designed to meet the learning goals of each student. Objectives in each student's area must be defined in cooperation with the program director. Students develop their TESOL methods by teaching cross-cultural students in monitored situations. The practicum should be completed during the senior year. Prerequisite: ED 309 and either TESL 391 or TESL 392. Each semester.

TH: Courses in Theology

Department of Theology

TH 101 Theological Foundations 3 Cr

An introduction to the study of theology in the Roman Catholic tradition. Core aspects of theological inquiry—the Bible, the Creed, moral theology—enable students and faculty to jointly explore the nature of Christian faith and the embodiment of Christian faith in concrete historical contexts. This course is a prerequisite for all theology courses. Each semester.

TH 201 Church and Worship 3 Cr

An analysis of the Church as a community of believers and a social institution; a study of church liturgy and sacraments. Spring semester.

TH 202 Christian Spirituality 3 Cr

An exploration of the Christian spiritual tradition, with a focus on Catholic approaches to spiritual experience and practices. Spring semester.

TH 205 Moral Theology 3 Cr

An introduction to moral decision making and moral action in light of biblical principles and changing contexts. Each semester.

TH 206 Comparative Religion 3 Cr

A study of the origins and beliefs of major world religions in historical contexts. Fall semester.

TH 207 Introduction to the Old Testament 3 Cr

An overview of the origins, themes, and continuing relevance of the books of the Hebrew Scriptures. Fall semester.

TH 208 Introduction to the New Testament 3 Cr

An overview of the origins, themes, and continuing relevance of the books of the Christian Scriptures, with an emphasis on the four Gospels. Spring semester.

TH 209 Christian Social Teachings 3 Cr

An analysis of Christian social thought from biblical times to the present, including a study of the papal encyclicals and American

Catholic social ethics. Fall semester, even-numbered years.

TH 210 Catholicism: An Exploration of Catholic Identity from Vatican I to the Present 3 Cr

This course explores, through ecclesial texts and some Catholic fiction and film, distinctive themes and issues that mark Catholic identity in the 20th century, including sacramentality, tradition, the faith and reason relationship, and Catholic understandings of authority and community. All interested students are welcome. Spring semester.

TH 211 The Christian Mystery in Film and Fiction 3 Cr

An exploration of Christian symbols of revelation as presented in short fiction and contemporary film. This course will build on the theological, scriptural, and moral content taught in TH 101. Spring semester, odd-numbered years.

TH 212 Christian Spirituality: Women Mystics 3 Cr

This course explores the historical contexts, writings, and spiritual legacy of eight women mystics including Perpetua (3rd century); Hildegard of Bingen (12th century); Mechtild of Magdeburg (13th century); Julian of Norwich (14th century); Teresa of Avila (16th century); Therese of Lisieux (20th century). Summer term. Open to all interested students.

TH 220-229 Ethical Studies 3 Cr

Ethical studies courses will explore specific ethical issues that have confronted Christians.

TH 230-239 Scripture Studies 3 Cr

Courses within this category will explore biblical writings and themes.

TH 255 Theology of the Land 3 Cr

A study of the relationship of people and the earth, with a focus on issues of land stewardship as understood in the Bible, in the religious traditions of native peoples, and in the U.S. sociopolitical tradition. Summer session.

TH 303-304 History of Christian Thought 6 Cr

A study of major Christian doctrinal developments in their historical contexts, from the New Testament era to the present. Fall semester, odd-numbered years, spring semester, even-numbered years.

TH 320-329 Theological Studies 3 Cr

This course concerns studies which focus on specific theological issues that have arisen through the ages.

TH 321 Christology 3 Cr

An analysis of interpretations of Jesus Christ's humanity and divinity, from biblical statements to contemporary explorations. Prerequisite: TH 208. Spring semester, even-numbered years.

TH 327 Sin and Grace in Theology and Literature 3 Cr

An exploration of the theological questions of sin and grace as raised in the works of important 20th century novelists. Fall semester, even-numbered years.

TH 330-339 Historical Studies 3 Cr

Courses within this category will explore particular historical eras and social settings in the development of theological thought.

TH 333 Church and State in Latin America 3 Cr

A study of the historical development of the religious, political, and economic realities of contemporary Latin America and an analysis of U.S. relationships to those realities in the 20th century. Fall semester, odd-numbered years.

TH 355 Spirit, Science, and Nature 3 Cr

An exploration of perceptions of the environment in the history of Western ideas, in religious traditions, in ethical thought, and in scientific theory, with a particular focus on the theme of care for nature from both scientific and religious perspectives. Spring semester, odd-numbered years.

TH 377 Cosmos as Creation 3 Cr

An exploratory journey into religious and scientific perspectives on cosmology and evolution and an analysis of the conflicts between and complementarity of religion and science. Prerequisite: TH 101. Fall semester.

TH 495 Theology Seminar 3 Cr

A discussion of selected theological themes or important theologians, with contributions by students and faculty. While required of all theology majors and minors in their junior or senior year, it will also be open to other upper-level students who are non-majors upon the consent of the instructor. Spring semester.

TH 496 Theology Research Paper or Theology Research Project 3 Cr

Theology majors must develop and present for the Department of Theology a theology research paper or a theology research project. The paper or project should provide evidence of scholarship in biblical studies, moral theology, church history, doctrine, and in another field of study as appropriate.

THT: Courses in Theatre Arts**Department of Fine Arts****THT 104-108 Theatre Practicum 1-2 Cr**

Students can earn one to 2 credits each semester by participating in theatre productions as actors, directors, or technical personnel under the guidance of qualified theatre artists. A minimum of 30 hours of participation is required for each hour of credit; enrollment and grading will be arranged at the end of each semester by the staff. Each semester.

THT 111 Introduction of Acting 3 Cr

This is an introduction to stage acting. This course is designed to free the beginning actor from tension and self-consciousness by becoming involved in exercises designed to develop concentration and imagination as well as interpersonal communication skills appropriate for stage performance. As a prerequisite to other acting classes, the course provides basic terminology and technique. Each semester.

THT 118 Theatre Appreciation 3 Cr

A course that aims to develop discerning audience skills through study of theatre in its different forms such as educational, community, and professional, as well as related performing media such as dance, vaudeville and comedy, and live popular musical performance. Emphasis is placed on learning the aesthetic basics of acting, design, interpretation, and performing arts theory. This course also requires attendance from a menu of performance opportunities in Helena. Fall semester.

THT 121 Stagecraft 3 Cr

This is a practical course in stagecraft. This includes construction and design of scenery and properties, stage lighting and sound. Skills involve carpentry, painting, reading design plans, and methods of assembling the set on stage. Participation in current productions is arranged. Fall semester.

THT 150 Introduction to Arts Management 3 Cr

A course designed to give an understanding of the contemporary business of art-making in the U.S., emphasizing rural artists' challenges. It will touch on related career opportunities and the skill-sets necessary for arts managers and artists. It will introduce students to practical experience in developing and applying some of these skills. This course will be offered in the Fall semester of every year.

THT 160 Improvisation 3 Cr

This course will give practical knowledge and experience in improvisational theatre. Study will include Theatre games, and improvisational exercises developed by Viola Spolin and by the Mark Taper Forum. Coursework will develop skills in American Mime, juggling, voice and body movement, and animal images. Fall semester.

THT 212 Acting: Advancement Methods 3 Cr

This is the study of roles and scenes with emphasis upon character analysis and development, as well as styles of production, such as Greek, Elizabethan, Commedia and Restoration theatre. Prerequisite: THT 111. Spring semester.

THT 220 Scenic Art 3 Cr

A practical course offering instruction in the materials, tools and techniques of scenic artists, as well as a look at the history of scenic art. The majority of class sessions will be spent on scene painting techniques and application. Students will learn common faux finish and mural techniques and paint two pieces of scenic art, architectural and environmental. No prerequisites: Fall semester, even-numbered years.

THT 221 Stagecraft II 3 Cr

A course in more advanced stagecraft techniques. Areas of focus will be stage machinery, rigging systems, sound and lighting systems. Skills will include welding and steel construction techniques, lighting and electrical safety, and construction management skills. Participation in current productions is arranged. Spring semester.

THT 223 Costuming 3 Cr

This is a practical course in the theory, art, and practice of costuming. Besides studying the evolution of clothing styles throughout the ages, each student, after learning how to read and follow a pattern, will build an article of clothing. Spring semester; odd-numbered years.

THT 224 Stage Make-Up 3 Cr

By completing a series of make-up projects, the student will learn the principles and techniques of applying make-up: realistic and non-realistic; two-dimensional and three-dimensional. In addition, the student will study facial anatomy, the aging process, and the principles of light and shadow as they apply to stage make-up. Spring semester; even-numbered years.

THT 304 Theatre Internship 1-3 Cr

An intensive "hands-on" learning experience designed to fit the individual student's vocational and avocational goals. Each student will be given major responsibilities in the areas of technical theatre, stage management, directing, house management, promotion and publicity, box office, etc., under the tutelage of the professional staff at Helena's area theatres. Consent of instructor is required. Offered fall, spring, or summer term under special arrangement. A written report is due upon completion of the internship. The grade will be assigned by the professional at the area theatre. Fall semester, even-numbered years.

THT 311 Play Directing 3 Cr

A practical course in the principles and techniques of bringing a play from the page to the stage. The course provides step-by-step practice in how to approach the play, how to find its dramatic values, and how to direct the production with these aims in mind. Prerequisite: THT 111; THT 212; consent of instructor. Fall semester.

THT 318 History of Theatre I 3 Cr

The story of the theatre beginning with its origins in the rituals of primitive man through the cultural explosion of the Renaissance. In addition to the text, several plays representative of the major theatrical ages will be read for insights into how the physical stage, the styles of acting and production, and theatrical convention influenced the dramatic literature of the various periods. Fall semester; even-numbered years.

THT 319 History of Theatre II 3 Cr

A continuance of the story of the theatre, from the English Restoration and through its objective imitation of nature at the end of the 19th century, to its return to subjective reality and ritual in modern times. In addition to the text, several plays representative of the major theatrical ages will be read for insights into the physical stage, the styles of acting and production, and theatrical convention influenced the dramatic literature of the period as well as the modern theatre. Fulfills writing intensive requirement. Spring semester; odd-numbered years.

THT 321 Sound and Stage 3 Cr

This course gives focus on two key functions in theatre: Stage Management and Sound Design. This course features discussion and practical application in both areas. The first eight weeks are spent on Stage management theory. Students who complete this class are eligible to serve as stage managers for Performing Arts productions. The last 8 weeks of the semester are spent on Sound Design, and students will create a show design recording. Prerequisite: THT 121. Fall semester, odd-numbered years.

THT 322 Scene Design 3 Cr

This is a practical study of the scenic design process. The course focuses on drafting skills, theatrical design formats, research for scenic design and model building. Prerequisite: THT 121 or consent of instructor. Fall semester, odd-numbered years.

THT 323 Stage Lighting 3 Cr

This is a practical study of the lighting design process. The course leads the student step-by-step from script analysis through plotting a finished design. Individual areas of exploration include light and color theory, electricity, and lighting instrumentation and control systems. Prerequisite: THT 121 and THT 322. Spring semester, even-numbered years.

THT 348 History of Film 3 Cr

An overview of the history of film from its beginnings in the late 19th century through its exciting growth into the most popular performing art of this century, including a study of film's social impact, stars, directors, business management history, and recent video revolution. The course will also offer weekly viewing selections of many of the great films of cinematic literature. Spring semester.

THT 403-404 Theatre Projects 1-3 Cr

An opportunity for qualified theatre students to participate in Carroll College theatre productions as primary designers. Under the guidance of the instructor, the student may direct or design the set, costumes, or lighting for a full-length play. Prerequisite: Consent

of the instructor. Offered each semester by arrangement.

THT 422 Advanced Design Practices 3 Cr

A senior-level course that will build upon the foundation skills learned in THT 322 Scene Design and THT 323 Stage Lighting. The intent of this course is to move students to a working knowledge of the professional design skills and methods. Activities include advanced perspective drafting, model making, computer design/drafting, and portfolio presentation. Students will be polishing their skills in preparation for opportunities beyond graduation. Spring semester, even-numbered years.

THT 426 Survey of Drama 3 Cr

For advanced students, this course will confront issues in world theatre. Areas to be covered include dramaturgy, criticism; play writing, dramatic theory, and the avant-garde. Contemporary and historical writers will be covered. Additionally students will study the parallel development of art and physics. Spring; odd-numbered years.



Notes





All charges listed in the financial section are those that are current at the time of the printing of this catalog. These charges are subject to change without notice by the College.

Student tuition, room and board, and applicable course fees are due prior to the first day of classes each semester. Students unable to meet these obligations may apply for financial assistance. Arrangements for financial assistance must be completed with the Financial Aid Office prior to the first day of classes.

Full-time tuition entitles the student to take 10 to 19 semester credits. Additional charges for each semester credit over 19 are made at part-time tuition rates. Auditor's tuition entitles a student to attend class lectures without grades or credit.

Application Fee **\$35**
(non-refundable)

This one-time fee is submitted with the initial application and is applied as a matriculation fee in the semester for which application is made.

Tuition and Fees

Tuition and fees are adjusted on an annual basis. The following fee schedules are in effect for the 2006-2007 academic year

Full-time Tuition: per semester **\$9,645**
Students registered for 10 through 19 semester credits.

Part-time Tuition: per semester credit **\$643**
Students registered for 9 semester credits or fewer and more than 19 credits.

Auditors' Tuition: per semester credit **\$125**
Students enrolled without credit.

Senior Citizens' Tuition: per semester

1-3 audit credits	\$50
4-6 audit credits	\$100
7-9 audit credits	\$150

Students 60 years and over, enrolled for audit only.

Post-Baccalaureate Tuition: per semester credit **\$354**
Carroll and non-Carroll graduates may take a maximum of 19 credits per semester at the post baccalaureate rate.

Students who take 20 or more credits will be charged full tuition for the additional credits.

Advanced College Enrollment Tuition: **\$100**
High school student—per semester credit—maximum of 6 credits per semester

Summer Term Tuition and Fees
Refer to the current summer term bulletin.

Technology & Student Activities Fee per semester **\$165**
Enrollment Reservation (advance deposit) **\$300**

Candidates who receive offers of admission must indicate their intention to enroll by making a non-refundable advance deposit of \$300, \$100 will be credited to tuition in the first semester of enrollment. The remaining \$200 will be refunded upon graduation or termination of studies if the student account is clear of all charges.

Room and Board Requirement for Living on Campus

As part of Carroll College's commitment to being a uniquely engaged residential learning community, students will be expected to live in campus housing as part of their education. All unmarried students under the age of 21 are required to live on campus for the first two years and are expected to live on campus all four years. All students residing at the college must have a meal plan. Research has shown that students who live on campus have higher academic performance, greater participation in campus activities, closer relationships with faculty and staff, greater satisfaction with their college education and utilize the overall resources of the college at a higher level than students who do not live on campus. The education of students is significantly enhanced by the connection of learning in and out of the classroom. The value of living in a community and the relationships developed from a residential experience have a lifelong impact on the student. Carroll College does not make exceptions on their requirements for housing and participation in a meal plan unless the student is married, has dependent children, has a medical condition the college is unable to accommodate or has experienced a financial catastrophe.

1. Room and board rates include the non-transferable right to occupy the room assigned and to participate on the meal plan except during vacation periods when the residence halls and dining facilities are closed as indicated in the official college calendar. In determining the room and board rates, it is understood that students will not necessarily be present at every meal served. No refunds are made for meals missed. Students with special dietary needs are not granted exceptions to the board requirements. Students who have special diets prescribed by a physician should consult the Dining Services Director.
2. Carroll does not assume responsibility for loss or damage to any student's personal property. Students are encouraged to obtain renter's insurance for their personal property or consult their parent's homeowner's insurance policy for coverage.
3. Personal effects of returning students may be left in the room during the regular term vacations. However, all personal effects must be removed from the college residence halls at the end of the academic year or upon withdrawal from the college.
4. Occupancy of the student room or boarding on campus is not permitted after a student withdraws from the college.

Meal Plans

Since much of our learning takes place among and between students, in and out of the classroom, all students are encouraged to participate in a meal plan. All students living on campus are required to participate in a meal plan. Please contact the Dining Services Director for help with medical or other accommodations.

Students are offered the opportunity to change their meal plan selection through the first week of school each semester. Students must show their ID/meal card to enter the dining hall and use their flex dollars. Meal plans are for the academic year and are non-transfereable. Unused flex points from fall semester carry over to spring semester meal plans providing a meal plan is purchased spring semester. Unused flex points do not carry over at the end of spring semester. Unused meals do carry over either semester. For dining hours and further information, please check the website or contact

the general manager of Sodexo at 443.5194.

Room and Board Rates (2007-2008):

Saint Charles, Borromeo, and Guadalupe Halls

Single-occupancy room	\$1,880
Double-occupancy room	\$1,680
Triple-occupancy room	\$1,680
Trinity Hall	
Four-person suite, Single bedrooms	\$1,880
Four-person suite, Double bedrooms	\$1,680
Two-person suite, Single bedrooms	\$2,100

Note: Charges listed are subject to change without notice.

CARROLL COLLEGE BUSINESS OFFICE MEAL PLAN SELECTION

Meal Plan	Type	Access Times	Block Meals	Flex	Late Night	Cost
___Unlimited Access	A1	Unlimited	None	\$100	Yes	\$1777
___Unlimited Access	A2	Unlimited	None	\$50	No	\$1624
___Limited Access	L1	11am-7pm	None	\$225	No	\$1777
___Limited Access	L2	7am-2pm	None	\$300	No	\$1624
___Block	B1	Unlimited	225	\$275	Yes	\$1777
___Block	B2	Unlimited	175	\$375	Yes	\$1624
___Gold	C	Unlimited	110	\$210	Yes	\$995
___Silver	D	Unlimited	64	\$165	Yes	\$593
___Bronze	E	Unlimited	25	\$365	Yes	\$593
___Copper	F	Unlimited	0	\$350	Yes	\$385
___Cancel Plan - Commuters Only						

Meal Options For:

Guadalupe	St. Charles	Borromeo/3rd-5thYr	Trinity 3rd-5thYrOnly	Commuters:
A1 A2	A1 A2	A1 A2	A1 A2	A1 A2
L1 L2	L1 L2	L1 L2	L1 L2	L1 L2
B1 B2	B1 B2	B1 B2	B1 B2	B1 B2
		C	C D	C D
			E F*	Cancel Plan

*Trinity 4th and 5th year students only

Incidental Fees

Incidental fees do not apply to all students, but rather apply to particular courses or special circumstances, as indicated below.

New Student Orientation Fee: \$125

Required of all entering new, full-time students, including transfers.

Student Liability Insurance Fee: \$15

Applies to students in clinical Nursing students.

Student Health Insurance (Per Year-Estimated) \$1350

It is a requirement of the College that all full-time students have health insurance. For those students not already covered by a policy, health insurance must be purchased at the beginning of Fall semester. It is the responsibility of the student to inform the College of any change in health insurance coverage beyond the initial information submitted.

Laboratory, Course, and Workshop Fees

The College levies laboratory, course, and workshop fees for courses involving specialized equipment, software, or other supplies. In addition, some courses may require the student to purchase materials or equipment for their own use.

A list of the courses requiring such fees or purchases is published each

semester and is available in the Registrar Office and the Business Office.

Other Fees

Late Fee Payment, Validation, Registration \$50

This fee is charged to all students who do not register, pay the required fees, and/or validate their enrollment prior to the first day of school. It applies regardless of cause, due to additional work involved when a student's payment, validation, or registration is late.

Senior Activities Fee \$125

This fee covers the senior activities' costs and is charged to all graduates in their senior year whether or not they attend the commencement exercises (non-refundable).

Transcript Fee: per copy \$5

One official transcript is furnished free. This charge is made for each copy thereafter (non-refundable).

Credential Services Fee: \$15

This fee covers the first 10 sets of credentials issued; \$15 fee per 5 copies thereafter.

Change of Grade Fee: \$5

Each change of grade resulting from the student's request will be charged. Changes made at the request of faculty will not be charged.

Study Abroad/CCIS Program Administrative Fee: \$250

Parking Permit:

Per academic year, per vehicle (non-refundable)

Proximity Parking-Lots A	\$150
Perimeter Parking-Lots B	\$75

All students who use campus parking facilities must register their vehicle with the Student Life Office and purchase a parking permit. Fines are charged to any student who does not have a current decal properly exhibited on the vehicle while on campus or for failure to comply with parking regulations.

Other fees may be charged for requirements in programs or courses, but are not listed in this bulletin because they were not known at the time of publication.

Payment Information

Payment Policy

All registration charges are due at the beginning of each semester or summer session. Payment of these charges must be completed prior to the first day of classes. Students who do not complete this payment procedure have not completed their registration and may not attend classes, laboratories or placements until satisfactory arrangements have been completed with the Business Office. The College accepts cash, checks or MasterCard, VISA, and Discover credit cards.

In completing the semester payment, the amount of financial assistance received for the semester may be deducted. The items that may be deducted include:

1. all scholarship assistance
2. grants received from Carroll College
3. Federal Supplemental Educational Opportunity Grants
4. Federal Pell Grants
5. Leveraging Education Assistance Partnership Program (LEAPP)
6. any loan certified by Carroll College and approved by the lender

The items that may not be deducted are work study, book grants, and loans not approved by the lender.

Payment options are available for students who choose to pay their fees by installments. A non-refundable set-up fee will be charged for each installment agreement. Payments are due on the first day of the month and delinquent if not received by the 20th day. Delinquent accounts are subject

to a \$25 late fee.

The Early Pay Ten Month plan is available to full time students. Installments begin July 1 and continue through April 1. Enrollment opportunity ends July 15th and late enrollment is not offered. The set-up fee is \$50 for this interest-free plan.

The Semester Installment Plan is available to full-time, part-time and post baccalaureate students. Fall semester installments extend August through December. Spring semester installments extend January through May. The semester set-up fee is \$50 with interest, at a rate of 1% per month, charged and included in the installment amount

Incidental fees are due when billed.

Students on class wait lists are expected to pay course fees and additional tuition upon claiming space in the class.

Carroll reserves the right to refuse subsequent semester payment by installment for students who have more than two late payments within a semester.

Return of Credit Balances

Students who receive loans, grants, or scholarships that are greater than the cost of tuition, fees, and room and board automatically receive a refund after the funds are applied and a credit balance over \$100 results. Students who choose to have a credit balance remain on their account must sign a request form in the Business Office.

Finance Charge

All balances in accounts receivable that have not been paid by the end of the month are charged a finance charge of 1 percent per month (12% ANNUAL) on the unpaid month-end balance; each payment is first applied to the interest. All accounts must be cleared by the end of each semester.

Refund Policy

Should a student withdraw from the College, the following policies apply in computing the refund due the student or the balance due the College. The official withdrawal date is determined by the date the student begins the withdrawal process or officially notifies Carroll of his/her intent to withdraw or the official date of suspension. Carroll College follows Federal policy when processing withdrawals.

In instances where the start date of a class is other than the first week of the semester, the Add/Drop period will be the first five days of that class.

Refund of Tuition and Fees:

Full-Semester Courses

In instances where a student withdraws from Carroll College, due to personal reasons or suspension, tuition and course fees will be charged based on a percentage of the period that the student remained enrolled.

Minimum Charge for Registration	\$25
Weeks of Instruction	Percent Refunded
First Week of Classes:	100%
Second-Eighth Week of Classes:	% not enrolled
Ninth Week of Classes:	0%

In instances where a student withdraws from some courses but continues others, no tuition refund is made for reduction of credit hours after the last day to change course enrollment (as shown in the academic calendar).

Refund of Room

All rooms are contracted and assigned on the assumption that the student will occupy the room for the fall and spring semesters. When a student withdraws from the College, room charges are prorated. Students who leave the residence halls for other reasons will not receive a refund.

Refund of Board

When a student withdraws from the College, board charges are prorated. Students are charged for meals and flex points used over the prorated amount.

Refund of Scholarships and Grants

Students who receive scholarships are expected to satisfy program requirements. College scholarships and grants (non-federal) are prorated on the same percentage basis as the charge for tuition and fees.

Withdrawal Appeals

The Finance Committee of Carroll College will review written appeals from students or parents who feel that individual circumstances warrant exceptions to published policy. Such appeals should be directed to the Vice President for Finance, and Administration; Carroll College; Helena, MT 59625-0002.

Return of Federal Funds Policy

Federal regulations provide that a portion of Title IV grant or loan funds must be returned to the Title IV program upon withdrawal from school of a Title IV recipient. A copy of the requirements is available in the Financial Aid Office.

General Financial Information

- Due to the constant upward pressure on costs, the College reserves the right to increase its charges if this becomes necessary.
- A student may not register for a subsequent semester unless all charges for the preceding semester have been paid. The College reserves the right to deny the issuance of transcripts if a student's financial account is not paid or payment plan arrangements have not been followed.
- Tuition and fees become final at the last day to change course enrollment as indicated in the semester schedule.
- The College does not assume responsibility for loss or damage to the personal property of a student.
- Communications concerning student accounts should be addressed to Carroll College Business Office, 1601 N. Benton Ave., Helena, Montana 59625-0002.

Dishonored Check Policy

A charge of \$30 will be assessed each time that a check is returned by a bank; this amount will be charged to the student's account. After notification, if the check is not cleared in 5 days, a second notice will be sent, and a "hold" may be placed on all the student's records.

Any check received in payment of tuition, fees, and/or room and board which is subsequently returned by the bank will result in automatic postponement of the student's registration for the semester.



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 Harlan Shropshire
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 Dr. Thomas Trebon
 John R. McInnis, Esq., Trustee Emeritus
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Rev. John L. McMullen	1912-1917
Rev. Peter F. MacDonald	1917-1919
Rev. John J. Tracy	1919-1920
Rt. Rev. Norbert C. Hoff	1920-1932
Rt. Rev. Emmet J. Riley	1932-1951
Rt. Rev. R. Vincent Kavanagh	1951-1957
Rt. Rev. Raymond G. Hunthausen	1957-1962
Rt. Rev. Anthony M. Brown	1962-1969
Rev. Joseph D. Harrington	1969-1974
Dr. Francis J. Kerins	1974-1989
Dr. Matthew J. Quinn	1989-2000
Rev. Stephen C. Rowan, Interim	2000-2001
Dr. Thomas Trebon	2001-

The College Administration

Campus Ministry

TBA	Campus Ministry
Colleen Dunne	Associate Director of Campus Ministry

Campus Food Service

Gary Coyle	Dining Services Manager
------------	-------------------------

Office of Academic Affairs

TBA	Senior Vice President for Academic Affairs and Dean of the College
Mary Pat Dutton	Registrar
Lois Fitzpatrick	Director of the Library
J. Murphy Fox	Director of Honors Scholars Program
Cindy Greiman	Director of New Student Services & Director of Advising
Michelle Lewis	Director of International Programs
TBA	Institutional Research Coordinator
Dr. Kay Satre	Director of Alpha Seminar
Joan Stottlemyer	Director of Academic Resource Center

Office of Finance and Administration

Lynn C. Etchart	Vice President for Finance and Administration
Loretta Andrews	Director of Campus Computing and Information Technology
Renee Hill	Director of Human Resources & Administrative Services
Lori Peterson	Controller

Office of Community Relations

Tom McCarvel	Vice President for Community Relations
Butch Biskupiak	Director of Facilities
TBA	Director of Conferences
Gerald Landby	Director of Grounds
Kitty Sullivan	Manager of the Bookstore

Office of Advancement

Dr. Richard Ortega	Vice President for Institutional Advancement
Gayle Agostinelli	Director of Advancement-Annual Fund
Barbara Anthony	Director of Major Gifts
Nancy Lee	Director of Marketing and Communications
Dr. Cindy Minniear	Director of Alumni & Parent Relations

Office of Enrollment Services

Candace Cain	Dean of Enrollment Services
R. Tyler Eisbach	Associate Director of Admission
Scott Knickerbocker	Assistant Director of Admission

Dan Minor Admission Counselor
Telecounseling Supervisor

Janet Riis Director of Financial Aid

Jessica Savage Admission Counselor

Cynthia Thornquist Director of Admission and Enrollment Operations

David Thorvilson Admission Counselor

Office of the President

Dr. Thomas Trebon President of Carroll College

Office of Student Life

Dr. Jim Hardwick Vice President for Student Life

Bennett MacIntyre Director of Community Living

Shiloh Sullivan Assistant Director of Community Living

James Carney Assistant Director of Community Living

Scott Forthofer Assistant Director of Community Living

Patrick Harris Director of Student Activities and Leadership

Chad Gray Assistant Director of Student Activities and Leadership

Rosalie Walsh Director of Career and Testing Services

Kathleen Joyce Trudnowski Director of Wellness Center

Dr. Jennifer Elison Associate Director of Counseling Services

Dr. K. Mike Franklin Director of Counseling Services

Bruce Parker Athletic Director of Community Living

Renee Wall Associate Director of Athletics

Gary Turcott Head Coach, Men's Basketball

Brandon Veltri Assistant Coach, Men's Basketball and Sports Information Director

Shawn Nelson Head Coach, Women's Basketball

Carly VanDyke Assistant Coach, Women's Basketball, Game Day Manager, and Fitness Center Coordinator

Bill Ballinger Head Coach, Men's and Women's Cross Country

Mike VanDiest Head Coach, Football

Jim Hogan Assistant Coach, Football

Nick Howlett Assistant Coach, Football

Jarrold Wirt Assistant Coach, Football

Bennett MacIntyre Head Coach, Men's and Women's Golf

Mark Hiemenz Head Coach, Women's Soccer

Maureen Boyle Head Coach, Women's Volleyball

Brian Coble Athletic Trainer

Steve Jones Facility Coordinator, PE Center

Carroll College Faculty

PRESIDENT

DR. THOMAS TREBON (2001)
Professor

B.A., 1965, Seattle University
M.A., 1970, University of Denver
Ph.D., 1980, University of Denver

JOHN S. ADDIS (1985)

Professor of Biology

B.A., 1969, Northwestern University
Ph.D., 1977, University of Michigan

SAMUEL ALVEY (2001)

Associate Professor of Biology

B.S., 1992, California Polytechnic State University, San Luis Obispo
Ph.D., 1996, University of California, Riverside

DEBRA BERNARDI (1997)

Associate Professor of English

A.B., Franklin & Marshall College
M.A., University of Wisconsin-Madison
Ph.D., University of Wisconsin-Madison

JULIE BENSON-ROSTON (2006)

Instructor of Communication Studies

B.A., 1988, University of Minnesota-Morris
M.A., 1990, University of Montana

DAWN BREGEL (2002)

Associate Professor of Chemistry

B.S., 1995, Gonzaga University
Ph.D., 2000, University of Washington

JACQUELINE E. BREHE (2000)

Associate Professor of Biology

B.S., 1969, Marietta College, Ohio
Ph.D., 1974, University of Missouri-Columbia

NATHALIE CAULLIEZ (1983)

Associate Professor of French

D.U.E.L., 1973, Facultes Catholiques
Licence, 1974, Universite de Lille, III
M.A., University of Montana

ELIZABETH CHUTE (2001)

Associate Professor of Sociology

B.A., 1986, SUNY Stony Brook
M.A., 1989, SUNY Stony Brook
Ph.D., 1998, SUNY Stony Brook

KELLY CLINE (2003)

Assistant Professor of Mathematics and Astronomy

B.S., 1998, Eastern Oregon University
M.S., 2000, University of Colorado
Ph.D., 2003, University of Colorado at Boulder

JAMES T. CROSS (2005)

Assistant Professor of Theology

B.A., 1986, Seton Hall University
M.A., 1992, Seton Hall University

- Ph.D., 2004, Duquesne University
DR. CHERYL CONOVER (2000)
 Assistant Professor of Languages and Literature
 B.A., 1967, Ohio University
 M.A., 1980, West Virginia University
 Ph.D., 1988, West Virginia University
- CHARLES D. DRISCOLL (1993)**
 Associate Professor of Fine Arts: Theatre
 B.A., 1978, Washington State University
 M.F.A., 1994, University of Washington
- BRAD ELISON (2003)**
 Assistant Professor of Psychology
 B.A., 1983, Whitman College
 M.Ed., 1988, College of William and Mary
 Ed.D., 1992, College of William and Mary
- CHARLES G. ERICKSEN, JR. (1992)**
 Professor of Accounting, Business, and Economics
 B.S., 1974, Colorado State University
 B.S., 1975, Colorado State University
 M.A., 1978, Western State College
 Ed.D., 1990, Montana State University
 C.M.A.
- RALPH L. ESPOSITO (1978)**
 Professor of Fine Arts: Visual Arts
 B.F.A., 1973, University of Connecticut
 M.F.A., 1977, University of Puget Sound
- LAURI FAHLBERG (1997)**
 Associate Professor of Education and Physical Education
 B.S., 1979, University of Colorado, Boulder
 M.S., 1985, Montana State University
 Ed.D., 1993, University of Northern Colorado
- BARRY J. FERST (1980)**
 Professor of Philosophy
 A.B. (L.A.S.), 1968, University of Illinois
 M.A., 1969, Kansas State University
 Ph.D., 1976, Tulane University
- GARRY FISCHER (2006)**
 Assistant Professor of Engineering
 B.S., Montana State University
 M.S., University of California - Davis
- LOIS A. FITZPATRICK (1976)**
 Professor and Library Director
 B.S., 1973, Mercy College
 M.L.S., 1975, Pratt Institute
- GORDON FLANDERS (2004)**
 Assistant Professor of Business Administration
 B.A., 1996, Augsburg College
 M.B.A., 1999, University of Minnesota
- JEANETTE FREGULIA (2007)**
 Assistant Professor of History
 B.A., 1982, University of the Pacific
 M.A., 1987, University of London
 Ph.D., 2007, University of Nevada, Reno
- JOHN MURPHY FOX (1997)**
 Assistant Professor of Sociology and Languages
 and Literature
 B.A., 1975, California State College
- M.A., 1977, University of Utah
EUGENE C. FRANKS (1968)
 Professor of Accounting, Business, and Economics
 B.S., 1964, Montana State University
 M.S., 1968, Montana State University
- CHRISTOPHER FULLER (2004)**
 Assistant Professor of Theology
 B.A., 1988, UCLA
 M.A., 1994, Graduate Theological Union
 Ph.D., 2004, Graduate Theological Union
- KIM GARRISON (1996)**
 Associate Professor of Nursing
 A.D., 1978, Northern Montana College
 B.S.N., 1980, Montana State University
 M.N., 1984, University of Washington
- JUDITH GEDROSE (1995)**
 Assistant Professor of Nursing
 Diploma in Nursing, 1967, Columbus Hospital
 B.S.N., 1976, Montana State University
 M.A.N., 1978, Montana State University
- JENNIFER GEIGER (2003)**
 Assistant Professor of Biology
 B.S., 1997, Boise State University
 Ph.D., 2003, University of Colorado
- GILLIAN GLAES (2006)**
 Assistant Professor of History
 B.A., University of Montana
 M.A., University of Oregon
- LOREN GRAHAM (2001)**
 Associate Professor of English
 B.M., 1980, Oklahoma Baptist
 B.A., 1981, Oklahoma Baptist
 M.A., 1986, Baylor University
 M.F.A., 1988, University of Virginia
- TOMAS L. GRAMAN (1988)**
 Professor of Spanish
 B.A., 1973, University of Illinois
 M.A., 1979, University of Utah
 Ph.D., 1984, University of New Mexico
- DONNA GREENWOOD (1981, 1986)**
 Associate Professor of Nursing
 B.S., 1973, Montana State University
 M.S.N., 1981, University of Portland
- DANIEL G. GRETCH (2007)**
 Associate Professor of Natural Science
 B.S., 1988, College of Great Falls
 Ph.D., 1995, University of Wisconsin
- CYNTHIA GUSTAFSON (1997)**
 Associate Professor of Nursing
 B.A., 1977, Gustavus Adolphus College
 M.S., 1983, University of Minnesota
 Ph.D., 1998, University of Michigan
- THOMAS W. HAMILTON (1972)**
 Associate Professor of Psychology
 B.A., 1968, Seattle University

- M.S., 1971, Portland State University
- R. STEPHEN HARPER (1988)
Associate Professor of Computer Science
B.A., 1973, Rocky Mountain College
M.S., 1988, University of Denver
- D. GRANT HOKIT (1996)
Professor of Biology
B.S., 1986, Colorado State University
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- JOY HOLLOWAY (2003)
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B.A., 1969, Chapman University
M.A., 1981, Columbia Pacific University
Ph.D., 1981, Columbia Pacific University
- CHARLOTTE M. JONES (1993)
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M.A., San Diego State University
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- MARY E. KEEFFE (1997)
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M.S., 1987, Cornell University
Ph. D., 1994, Cornell University
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M.S., Syracuse University
- RICHARD T. LAMBERT (1970)
Professor of Philosophy
B.A., 1965, St. Bernard's College
Ph.D., 1971, University of Notre Dame
- GLORIA J. LAMBERTZ (1987)
Associate Professor of Physical Education
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M.S., 1981, Montana State University
Ed.D, 1998, Montana State University
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M.A., 1973, San Diego State University
M.Div., 1988, Catholic University of America
Ph.D., 1976, University of Kentucky
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Associate Professor of Accounting, Business, and Economics
B.S., 1982, University of Montana
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Ph.D., 1994, Graduate Theological Union
- RICK MORITZ (2003)
Assistant Professor of Communication Studies
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M.A., 1998, Metropolitan State College-Denver
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Associate Professor of English
B.A., 1985, Boise State University
M.A., 1988, Pennsylvania State University
Ph.D., 1993, Pennsylvania State University
- TERENCE J. MULLEN (1983)
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M.S., 1982, Columbia University
P.E., 1989
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Professor of Fine Arts: Music
B.Mus., 1962, University of Montana
M.Mus., 1963, University of Michigan
A.A.G.O., 1961, University of Regents of New York State
- BRENT NORTHUP (1989)
Associate Professor of Communication Studies\Director of Forensics
B.A., 1968, Whitman College
M.A., 1976, University of Missouri-Columbia
- JACK E. OBERWEISER, JR. (1993)
Associate Professor of Mathematics
B.A., 1971, Carroll College
M.A.T., 1985, University of Montana
- HEATHER ONSTAD (2003)
Assistant Professor of Nursing
B.A.N., 1994, Carroll College
M.S.N., 2003, Gonzaga University
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M.A., 1999, University of Toronto
Ph.D., 2007, University of Toronto

- ANNE PERKINS (1990)
Professor of Psychology
B.S., 1975, University of California-Davis
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Ph.D., 1991, University of California-Davis
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Associate Professor of Music
B.S., 1984, Dr. Martin Luther College
M.C.M., 1986, Concordia College
Ph.D., 1989, University of Minnesota
- ERIK K. PRATT (1990)
Professor of Political Science
B.A., 1976, California State University-Fullerton
M.A., 1979, California State University-Fullerton
Ph.D., 1989, University of California-Riverside
- ROBERT D. PSURNY JR. (2007)
Associate Professor of Fine Arts
B.Mus., 1988, The University of Toledo
M.Mus., 1989, Ohio University
M.Mus., 1990, Ohio University
Ph.D., 1994, The Cleveland Institute of Music
- JOHN RIES (2004)
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B.A., 1981, University of Utah
M.S., 1985, University of Utah
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Assistant Professor of Philosophy
M.A., 1991, Catholic University, Louvain
Ph.D., 1998, Catholic University, Louvain
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Professor of Computer Science and Mathematics
B.A., 1963, Kalamazoo College
M.A., 1966, University of Colorado
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- JOHN SALZSIEDER (1997)
Professor of Chemistry
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Associate Professor of English
B.A., 1978, Carroll College
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Professor of Mathematics and Engineering
B.A., 1973, Carroll College
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Ph.D., 1990, University of Notre Dame
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Associate Professor of Languages
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M.Div., 1971, Sulpician Seminary
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James J. Manion Endowed Chair of Biology
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- ROBERT J. STANSBERRY (2001)
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Ed.D., 1989 University of Georgia
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Ph.D., 1983, University of Arizona
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- JAMES A. TRUDNOWSKI (1968)
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- JOCELYNN R. WALDRON (2000)
Assistant Professor of Nursing
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B.A., 1992, Carroll College
M.N., 1996, Montana State University
- JONI WALTON (2004)
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M.S.N., 1983, University of Alabama
Ph.D., 1997, University of Missouri-Kansas City

CYNDE WATKINS (2007)

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M.S.N., 2006, Gonzaga University

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Professor of Political Science

A.B., 1966, California State University
M.A., 1968, University of California

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Associate Professor of Chemistry

B.S., 1973, South Dakota State University
M.S., 1975, South Dakota State University
Ph.D., 1984, Colorado State University

BETHALEE J. WILSON (1987)

Associate Professor of Accounting, Business, and Economics

B.S., 1972, Central Michigan University
M.A., 1974, Central Michigan University
M.S., 1978, Central Michigan University
M.B.A., 1984, University of Montana

HOLLY ZULLO (2000)

Associate Professor of Mathematics

B.S., 1991, Rensselaer Polytechnic Institute
M.S., 1993, University of Colorado
Ph.D., 1995, University of Colorado

LYNETTE E. ZUROFF (1981)

Professor of Education

B.A., 1970, Carroll College
M.Ed., 1978, Montana State University
Ed.D., 1982, Montana State University

Professors Emeriti

GUIDO BUGNI, Natural Sciences
HANK BURGESS, Languages and Literature
DR. JOHN CHRISTENSON, Biology
EUGENE C. FRANKS, Accounting, Business,
and Economics
REV. WILLIAM GREYTAK, History
MSGR. JOSEPH HARRINGTON, Natural Sciences
JOSEPH W. MUNZENRIDER, Music
DR. MARILYN S. SCHENDEL, Biology and Chemistry
DR. JOHN E. SEMMENS, Languages and Literature
DR. HARRY SMITH, Communication
DR. JEAN SMITH, Natural Sciences
REV. JEREMIAH T. SULLIVAN, History
DR. ART WESTWELL, Natural Sciences
DR. PHILIP M. WITTMAN, Political Science



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