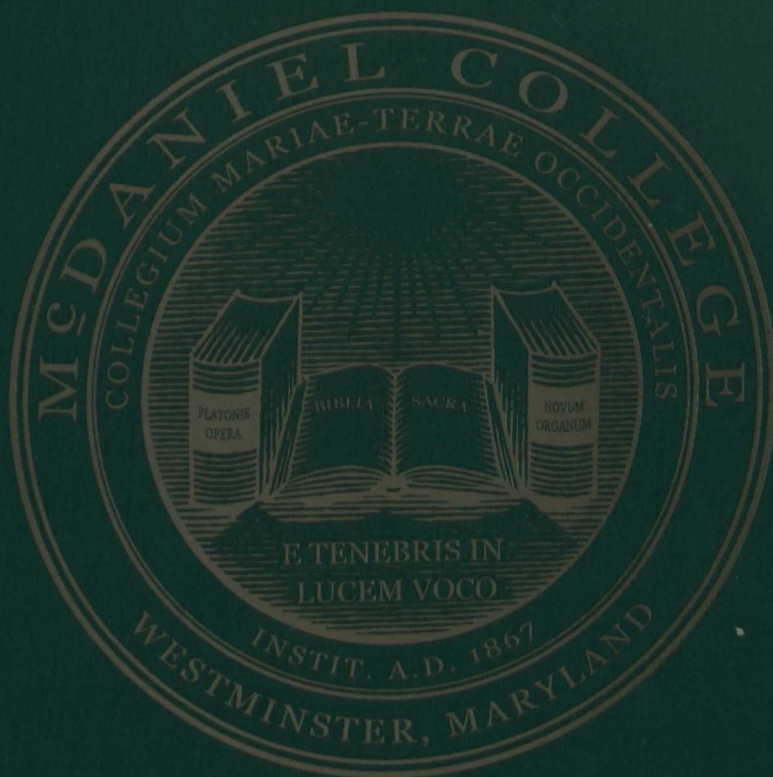


MCDANIEL COLLEGE

2007-2008 Undergraduate Catalog



www.mcdaniel.edu



The First Principles

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McDaniel College believes that liberally educated men and women think and act critically, creatively, and humanely. They take charge of their lives and develop their unique potentials with reason, imagination, and human concern. They take their place in the global community, understanding their responsibilities to aid individuals and to contribute to the larger society. McDaniel College accepts the challenge to provide an academic and social environment that promotes liberal learning.

- We strive to place students at the center of a humane environment so that they may see and work toward their personal goals while respecting others and sharing the responsibility for the common good.
- We provide a foundation of knowledge about the past and present so that students may be informed about the world.
- We provide various approaches to knowledge and personal achievement so that students can think critically about, respond creatively to, and form sensitive, intelligent decisions concerning the world and its future.
- We provide instruction in fundamental skills so that students can express themselves for their own satisfaction and to the larger community.
- We provide solid and respected professional programs for the committed student, and, more important, we provide a liberal arts education as an integral part of professional training so that students will be more flexible, more successful, and happier in the world of work.

In the classrooms, in the residence halls, in the laboratories, on the playing fields, and in the lounges, McDaniel College works to disseminate these *First Principles*.

College History

Shortly after the Civil War, Fayette R. Buell, a Westminster teacher, embarked on his dream of founding a small private college. He purchased a tract of land – a hill overlooking the town – and issued a prospectus in search of support for his dream. Although financing was slow to materialize, he did receive generous support from two of the community leaders: the Reverend J.T. Ward of the Methodist Protestant Church, who would become the College's first president, and John Smith, president of the thriving Western Maryland Railroad and a resident of nearby Wakefield Valley.

Mr. Smith, who became the first president of the College's Board of Trustees, suggested that the College be named after the railroad, which maintained an important terminal in Westminster. On the day in 1866 that the cornerstone was laid for the College's first building, free rail passage was granted to everyone who attended the ceremonies. Eventually, the Western Maryland Railroad merged with another company. But the College that bore its name continued to grow.

The first building on the Hill was completed in September 1867; 37 men and women were enrolled in eight areas of study. Already, the new college was in many ways ahead of its time. In the original Charter, the founders and the first Board of Trustees clearly reflected their intentions that the College be an innovative and independent institution.

The College was founded "upon a most liberal plan for the benefit of students without regard to race, religion, color, sex, national or ethnic origin, which students shall be eligible for admission to equal privileges and advantages of education and to all social activities and organizations of the college, without requiring or enforcing any sectarian, racial, or civil test, and without discrimination on the basis of sex, national or ethnic origin, nor shall any prejudice be made in the choice of any officer, teacher, or other employee in the said college on account of these factors."

The College was one of the first coeducational colleges in the nation. Since its inception, it has been an independent liberal arts college with an autonomous Board of Trustees. A voluntary fraternal affiliation with the United Methodist Church existed from 1868 to 1974; today there are no ties to any denominational body. Control and ownership are fully vested by the Charter in the trustees, under Maryland state law.

On January 11, 2002, the trustees announced their unanimous decision to change the name of the College after discussion and surveys confirmed confusion over where and what the College was. Under a new name, the College would be better recognized as a private college of the liberal arts and sciences within an hour's drive of Baltimore and Washington, D.C.

Alumni, students, parents, faculty, and emeriti faculty, administrators, and trustees participated in the process to select a name which embodied the essence of the College. On July 1, 2002, McDaniel College renewed its educational mission in honor of William R. McDaniel, a man who meant as much to the College as the College meant to him.

Billy Mac, as he was affectionately known, arrived on campus in 1877 as a 16-year-old sophomore from the Eastern Shore. He was salutatorian among the six men and four women in the Class of 1880. He taught for 36 years and also served as an innovative administrator and trustee. Presidents called him indispensable. Colleagues respected his dedication to teaching and the hand he extended to faculty newcomers. His students spoke of his attention to detail and demanding yet patient way of guiding them through algebra, geometry, and astronomy. McDaniel's dedication to the College spanned 65 years and ended only with his death in 1942.

In its 140-year history, the College has had only eight presidents: Dr. Ward, Dr. Thomas Hamilton Lewis (1886–1920), Dr. Albert Norman Ward (1920–1935), Bishop Fred G. Holloway (1935–1947), Dr. Lowell S. Ensor (1947–1972), Dr. Ralph C. John (1972–1984), Dr. Robert H. Chambers (1984–2000), and Dr. Joan Develin Coley (2000–present). Under their guidance, the College has assumed a place in the nation among the quality colleges of the liberal arts and sciences, developing programs and material and physical assets that fulfill the vision of its founders.

College Profile

McDaniel College provides an ideal location for learning which brings together students from 31 states and 11 countries. Its picturesque campus is situated on a hilltop in historic Westminster, a short drive from two major metropolitan centers, Baltimore and Washington, D.C. One of the first coeducational colleges in the nation, it has been both innovative and independent since its founding in 1867.

The tradition of liberal arts studies rests comfortably here. Exemplary teaching is its central mission, both at the undergraduate and graduate levels. The faculty is engaged in research and professional writing; they are involved at the highest levels of their respective professions; they are sought after as consultants in many spheres, but their primary mission is teaching. Enrollment of 1,700 undergraduates enables the College to provide individual guidance to its students and to be responsive to their needs. Graduates leave enriched not just because of their classwork, but because of their meaningful interactions with one another.

Accredited by the Middle States Association of Colleges and Secondary Schools, McDaniel is one of 40 liberal arts colleges featured in Loren Pope's book *Colleges That Change Lives*. Known for its distinctive academic program, The McDaniel Plan, McDaniel College is nationally and internationally recognized for its branch campus in Hungary, McDaniel College Budapest, its unique January Term program, and for its graduate program in training teachers for the Deaf.

Location

Thirty miles northwest of Baltimore's Inner Harbor and 56 miles north of Washington, D.C., the campus overlooks historic Westminster, Md., Carroll County's largest town and county seat. Within walking distance are gift boutiques, book and music stores, art galleries, and restaurants which line one of America's longest main streets. Both nearby metropolitan cities offer students opportunities for learning and leisure – art and history museums, internships on Capitol Hill, Baltimore Orioles and Ravens games, and bayside seafood and nightlife.

Academic Facilities

Among the forty buildings on the 160-acre campus are Hoover Library, offering access to materials from rare books to DVDs and a twenty-four-hour computer lab and study commons; Hill Hall, featuring the Writing Center and multimedia presentation classrooms; Peterson Hall, which offers a modern photography lab, a graphic arts computer classroom, and art gallery for the College's permanent collection as well as visiting exhibitions; and Western Maryland College Alumni Hall, home to the performing arts and summer repertory Theatre on the Hill program. Eaton Hall, a \$13-million biology and chemistry lab building was opened in fall, 1999, and, in 2002, the lower level of Baker Memorial Chapel was renovated to accommodate a new Foreign Language Computer Lab, classrooms, and seminar rooms. Academic Hall, adjacent to Hoover Library, is the new home for the College's Graduate and Professional Studies, Education, Psychology, and Student Academic Services. The campus is wired for the latest technology, and all residence halls are equipped with Ethernet connections. Wireless access is available in many spots on campus.

Hoover Library

Hoover Library houses over 200,000 books, periodicals, media and U.S. government documents, and provides access to thousands of full-text databases and online journals. Hoover's online catalog is searchable at hoover.mcdaniel.edu, and also links to the holdings information of the Carroll County Public Library System and the Carroll Community College Library, which, with Hoover, form the Carroll Library Partnership. McDaniel College Library I.D. cards are valid at either of

the other CLP sites. Hoover Library's memberships in the Maryland Independent Colleges and Universities Association library group as well as the Baltimore Academic Libraries Consortium allow for additional reciprocal borrowing opportunities for students and faculty. Interlibrary loan services are also freely available, and state-of-the-art reference services include extensive course-integrated bibliographic and information literacy instruction. Visit the Hoover website for more details as well as hours information.

Information Technology

Information technology enhances the educational experience through campus-wide use of technology. Many faculty and their students use classroom computer projection systems to enliven classes with multimedia, or solve problems through communal use of software. The Blackboard course management system provides a resource to post online discussions, assignments and readings as well as to share digital portfolios with the greater world. Students and faculty can access the Blackboard site easily through the internet.

Over twenty-five accessible computing laboratories enable learners to search world-wide information sources, to create their own art, video and music, or to conduct research. To accommodate mobile computing, and push communications, the campus has expanded its wireless hotspot network and supports student-directed streaming radio and television production.

In a more personal note, the ALL card system permits easy identification, access to secure locations, and simplifies financial transactions, and a new email/calendar system makes networking easier. When technical problems arise, students receive help from members of the "SWATT" student technology team, designated IT staff and online help pages.

Faculty and Curriculum

Faculty members – more than 110 full-time professors, almost all of whom hold the most advanced degrees in their fields – devote themselves to classroom, lab, and studio teaching. Many conduct research and involve students in their work. Professors generally teach three courses each semester and spend ample time with students outside of the classroom helping them plan academic programs, arrange internships, and prepare for careers. An average class size of fewer than 20 students encourages discussion and learning that is collaborative rather than competitive. When their schedules allow, the College president, provost, dean of students, and financial vice president all teach courses. Faculty members also serve as advisors to many student organizations.

The College's distinctive academic program, The McDaniel Plan, challenges students to become liberally educated men and women who think and act critically, creatively, and humanely. An expansive curriculum enables students to acquire a broad base of knowledge in the areas of humanities, natural sciences and mathematics, and social sciences and also to pursue learning in depth in one or more of the 60 fields of study. The program links wide-ranging educational experiences with strong career preparation through an extensive internship program and the Office of Career Services.

Faculty advisors offer guidance across the curriculum and work closely with their advisees in planning their academic program about course selections and planning strategies. Students may receive additional guidance from the Office of Academic Affairs, Student Academic Support Services, and the Career Services Office, which offers vocational testing, counseling, and guidance.

Majors and Degrees

The College's academic program, The McDaniel Plan, provides a liberal education that combines a comprehensive program of general education and a rigorous program in the major, complemented by electives and a range of special opportunities. The Bachelor of Arts degree is offered in 26 major areas of study: art, art history, biochemistry, biology, business administration, chemistry,

communication, computer science, economics, English, environmental policy and science, exercise science and physical education, French, German, history, mathematics, music, philosophy, physics, political science, psychology, religious studies, social work, sociology, Spanish, and theatre arts. Students may choose a dual major or design their own major if their academic interests and goals take them outside of an existing program. In addition, most departments offer minor programs or particular courses to help students focus on or achieve individual goals.

McDaniel College also offers certification programs in social work and in elementary and secondary education (Maryland certification includes reciprocity with more than 45 other states), a 3–2 program in engineering, and pre-professional programs in dentistry, law, medicine, and museum studies. The College also offers an Army ROTC program.

Graduate Degree Programs

Graduate degree programs leading to the Master of Liberal Arts or the Master of Science degree enroll more than 1,300 students each term. The M.L.A. program is an extension of the College's excellent baccalaureate program. The M.S. program is available in the following areas: counseling, deaf education, educational administration and supervision, elementary and secondary education (curriculum and instruction), exercise science and physical education, human resources development, reading, school library media, and special education (general and community-based). In addition, the College offers the M.S. in teaching (B.E.S.T. program) for mid-career adults who wish to obtain certification to teach. The College also offers a certificate program in gerontology.

Off-Campus Study

There are abundant opportunities for students to engage in academic work off campus. Many students enroll for one or two semesters in study abroad programs throughout Africa, Asia, Europe, and Latin America that are supported through the International Programs Office. Each semester study abroad students from the home campus join international students from around the world at McDaniel College Budapest. (See below.) The College also offers a semester long student exchange program in Brussels, Belgium, with the Faculté Universitaires Saint Louis.

Students also take advantage of internship opportunities regionally, nationally, and internationally. Domestic programs of off-campus study are offered through American University's Washington Semester, Drew University's Semester in New York on the United Nations, and the Gallaudet Visiting Students Program.

McDaniel College Budapest

McDaniel College Budapest was established in 1993 by McDaniel College as a branch campus in Budapest, Hungary, to provide a liberal arts education for international students from around the world in preparation for global lives and careers. In addition to offering the foundational curriculum of the College, McDaniel College Budapest offers a four-year undergraduate program with majors in Art and Art History, Business Administration and Economics, Communication, and Political Science, leading to the award of a Bachelor of Arts degree. All courses are taught in English by highly experienced British, Hungarian, and American faculty. McDaniel College Budapest students may spend two years in Budapest and two years at the home campus in the United States, and all students are required to spend at least one semester in residence on the home campus.

The Budapest campus serves as a primary study abroad destination for students from the home campus (see Study Abroad, pg. 39.)

Honor Societies

In addition to Phi Beta Kappa, the national honor society which recognizes liberal arts scholarship of a high order, there are 20 other honorary societies on campus. Two organizations oriented toward general accomplishment are Omicron Delta Kappa, a national society recognizing leadership qualities; and the Trumpeters, a local society honoring senior students dedicated to service (See Honor Societies, page 27.)

Social Life

The key to college life is involvement. Eighty percent of students live on campus; more than 25 percent compete on one of 24 athletic teams, and all enjoy activities sponsored by more than 100 diverse student groups including an active Greek system.

Costs

The College keeps its fees within the reach of students coming from families with moderate incomes while offering a liberal arts education of outstanding value. Tuition for 2007–2008 is \$28,940, room and board are \$5,900, and personal expenses (including books and transportation) are estimated at \$600 per year.

Financial Aid/Scholarships

The College supports a program of financial aid to eligible students on the basis of both need and merit. Over 80 percent of students receive financial assistance. Students who have been accepted by the College and can demonstrate financial need as required by the federal government may be eligible for assistance in the form of scholarships, grants, loans, and opportunities for student employment. Typically an award is a package of these four resources tailored to the student's needs.

Academic scholarships covering partial to full tuition are available for qualified students based on their academic records, SAT-I or ACT scores, and extracurricular involvement. First-year students should apply by February 1. Transfer scholarships are also available, and applications must be filed by January 1 for spring semester and June 1 for the fall. The College also offers partial and full ROTC scholarships.

Athletics

Athletic teams compete in NCAA Division III as a member of the Centennial Conference, a group of 11 national liberal arts colleges and universities. Twelve sports are available for men: baseball, basketball, cross country, football, golf, lacrosse, soccer, swimming, tennis, indoor and outdoor track, and wrestling. Twelve sports are available for women: basketball, cross country, field hockey, golf, lacrosse, soccer, softball, swimming, tennis, indoor and outdoor track, and volleyball.

Accreditation

McDaniel College is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, Pa. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Accreditation. In July 2003, the accreditation of McDaniel College was reaffirmed through 2013.

Student Life

An important element of the education at McDaniel College happens outside the classroom. When students live together in a residential setting, the opportunities to exchange ideas and share interests are greatly enhanced, not only by daily contacts in living quarters and the dining hall, but also by ready access to campus activities. Commuter students also benefit from participation in a variety of extracurricular activities.

After becoming accustomed to the rigorous demands of their academic schedules, most students become involved in other aspects of campus life. With entertainment, cultural events, athletics, and a constant calendar of student activities available on campus, students can choose to fill their leisure time to whatever extent they wish.

The diverse interests and needs of students are reflected in the wide-ranging and continuously evolving selection of activities. There are more than 100 organizations, and campus events are largely planned and organized by students. The College Activities Office is responsible for coordinating and scheduling events, reserving facilities, and advising student groups. Many organizations and publications have office space in Decker College Center, McDaniel's student union and hub of campus activity.

College Regulations

Every community has traditions and rules that its members are expected to follow. Here, we treat students as adults, and as such we expect individuals to respect the rights, property, safety, privileges, and obligations of others. Since the College believes that liberally educated men and women think and act humanely and in a responsible manner, our regulations give students considerable freedom.

In addition to areas of academic honesty addressed by the Honor Code, College regulations cover the use of alcohol and drugs; behavior which impedes the educational process of individuals or the institution; legal access to students' records, such as grades and billing; and other matters, including those affected by state and federal laws. These regulations are detailed in the *Student Handbook*, a copy of which is given to each student at the beginning of every academic year. It is also available on a link from the College's Web page.

Student Governance

All students are automatically members of the Student Government Assembly (SGA), which is the student body's central governing and coordinating organization. It consists of two main parts: the Executive Council, elected by the student body at large, and the Senate, composed of representatives from the classes. The SGA is active in campus life as a voice through which students participate in the affairs of the College.

Students hold full voting membership on many policy-making College committees, serving with faculty members, administrative staff, and trustees in dealing with institutional concerns. There are three student visitors to the Board of Trustees, and those representatives serve on a variety of trustee committees.

Also, each class is organized as a unit, and officers are elected to supervise the administration of class activities. In addition to responsibilities as a class officer while a student, the senior class president assumes guidance of certain activities after graduation, such as organizing class reunions.

The Honor Code

The College community affirms its commitment to the ideals of personal integrity and community honor in all aspects of campus life, including academic endeavors and use of the library and computing facilities. The honor system affirms that honest people are the most important elements of a good community and that the rights of the honest majority must be protected against the actions of individuals acting dishonestly. Violations consist of cheating in coursework and misuse of computing resources, library materials, and borrowing privileges. Both students and faculty have an obligation to themselves and to their peers to discourage honor violations in any form. For the student, this means not only taking personal responsibility for one's own actions, but also discouraging academic dishonesty by making it socially unacceptable behavior. The student is required to report all instances of academic honor violations. For the faculty, this means establishing clear guidelines at the beginning of every course and then making it physically difficult to cheat during the rest of the semester. In some courses this might simply mean removing temptation; in others, it might involve more stringent procedures such as simultaneously administering all examinations regardless of course sectioning. In some courses it might also mean proctoring exams.

Students will sign an honor pledge on all their work indicating that they have neither given nor received unauthorized help, nor tolerated others doing so.

For information on the Honor and Conduct Board, which adjudicates allegations of Honor Code infractions, see the *Student Handbook*.

CAPBoard

CAPBoard, the College Activities Programming Board, sponsors various entertainment opportunities for students. CAPBoard is a very active, student-governed organization subdivided into six committees: Films, Mainstage (major performers and bands), Second Stage (comedians, duo and solo singers/musical performers), Special Events (Fall Fest and Spring Fling Weekends), Cultural Arts (plays, theatre trips, music festivals), and Promotions, which uses great enthusiasm and creativity to keep students aware of CAPBoard's events. From adventure movies and concert trips to rock singers, CAPBoard and its jam-packed calendar of events are fully committed to providing quality entertainment for the campus.

Publications and Media

Students interested in writing and publishing may work with three publications edited and published by students: *The McDaniel Free Press*, the biweekly student newspaper; *Crossroads*, the College yearbook, a pictorial collage of campus life; and *Contrast*, a literary magazine published yearly. In addition students operate the College radio station and a cable broadcast channel.

Cultural and Special Interest Organizations

A substantial number of organizations offer students the opportunity to become knowledgeable and involved in a field of interest. Black Student Union, Jewish Student Union, Hispano-Latino Alliance, Commuter Student Organization, Asian Community Coalition, McDaniel Dance Company, Allies, Pom-Pon Squad, Ranger Platoon, and Maryland Student Legislative Delegation are just a few of such organizations.

The Arts

While co-curricular activities offer students majoring in the various arts fields numerous opportunities to extend their interests, all students, regardless of academic major, are encouraged to take part in the many musical, dramatic, and artistic activities. Musical organizations include the College

Choir, Gospel Choir, College Concert Band, College Jazz Ensemble, and Madrigal Singers. Those interested in dramatic arts may participate in both the technical production and performing aspects of several major plays and musicals planned by the Theatre Arts Department and in less formal presentations of dramatic scenes. The Art Club, which is involved in a number of creative ventures in addition to staging exhibits, is open to all.

Community and Service Groups

More than twenty student organizations reach out each year to the Westminster community. These organizations work with elementary school children, individuals with developmental disabilities, and other causes. Active service groups include McDaniel Mentors, Alpha Phi Omega, Gamma Sigma Sigma, and Circle K.

Religious Life

Active student religious organizations on campus represent Catholic, Jewish, Protestant, Baha'i, and other faiths. There are two chapels, Baker Memorial Chapel, which is a prominent landmark, and Baker Chapel, a lovely 100-year-old stone chapel, which dates back to the early days of the College. Students are also welcomed at the many houses of worship in Westminster.

Reserve Officers' Training Corps

The Reserve Officers' Training Corps offers an academic military science program through which selected students can qualify at graduation for commission as officers in the United States Army. Additional information may be found under Military Science and Financial Aid.

Social Fraternities and Sororities

There are seven national and local fraternities and sororities on campus. The fraternities are Alpha Gamma Tau, Alpha Sigma Phi (national), Phi Delta Theta (national), and Phi Kappa Sigma (national). The sororities are Alpha Nu Omega, Phi Mu (national), and Phi Sigma Sigma (national).

Approximately 12 percent of the students join the Greek-letter social organizations. Students with at least a 2.25 grade point average are eligible beginning in their sophomore year, and students with at least a 2.50 grade point average are eligible in their second semester, freshman year. Members of organizations may apply to live together in a section of a residence hall designated by the College.

The Inter-Greek Council works in cooperation with the Student Affairs Office to make rules for such activities as philanthropy, campus events, parties, and special events. Hazing is prohibited on College property and off campus by any College organization.

Athletics

McDaniel College encourages students to participate in sports and fitness activities to enhance their College experiences. The College supplies facilities and opportunities for participation in a full range of team and individual athletic and fitness programs. The Gill Center provides a wide variety of programs in both physical education courses of study and recreational opportunities. The new Leroy Merritt Fitness Center offers modern facilities and equipment.

Also available to students are six outdoor tennis courts, a nine-hole golf course, stadium, swimming pool, basketball courts, baseball fields, dance studio, fencing room, volleyball courts, cross-country trail, outdoor track facility, racquetball and squash courts, saunas and whirlpool, badminton court, and rappelling facility.

Intercollegiate Sports

McDaniel College is committed to offering both men and women a balanced and varied program of intercollegiate athletics. Competitive schedules are designed not only for the varsity athletes but also for the students engaged in club sports and other activities. The College does not designate sports as major and minor because it believes all are of equal importance to the students participating in them.

Teams for men include baseball, basketball, cross country, football, golf, lacrosse, soccer, swimming, tennis, indoor and outdoor track, and wrestling. Teams for women include basketball, cross country, field hockey, golf, lacrosse, soccer, softball, swimming, tennis, indoor and outdoor track, and volleyball.

McDaniel College is a member of the National Collegiate Athletic Association and competes at the Division III level. The College competes in the Centennial Conference, a group of 11 national liberal arts colleges and universities, which include Bryn Mawr College, Dickinson College, Franklin and Marshall College, Gettysburg College, Johns Hopkins University, Muhlenberg College, Swarthmore College, Ursinus College, Haverford College, and Washington College. Washington and Lee University participates only in the Conference's wrestling season. The school colors are green and gold.

Intramural Sports

Intramural programs for both men and women are extensive and provide for a wide variety of competitive events and coeducational tournaments.

Beyond the Campus

In addition to the many restaurants, shops, film theaters, churches, and other attractions in Westminster, there are many recreational destinations within easy reach by car. In 45 minutes, students can reach the Catoctin Mountains for picnicking, hiking, swimming, and canoeing, and there are several skiing facilities in nearby Pennsylvania. Gettysburg National Military Park and other historic sites are also nearby. The College operates a van service to Owings Mills Metro Station and Mall on Saturday afternoons and evenings.

McDaniel College is part of a lively community of more than 20 colleges and universities in the Baltimore area. The Baltimore Collegetown Network is a guide to all of the cultural and educational opportunities the area has to offer. With more than 100,000 students in town, there are events and programs on area campuses as well as Baltimore's shops, restaurants, museums, theatres, nightclubs and attractions, such as the Inner Harbor, National Aquarium and Maryland Science Center – all within a 45-minute drive. For the details, visit www.BaltimoreCollegetown.org.

Washington's world-renowned galleries and museums, libraries, national monuments, governmental centers, and other extensive cultural and recreational resources can be reached in about an hour and 15 minutes.

Student Services

The management of residential halls, extracurricular activities, and various student services is coordinated by the Office of Student Affairs, which is located on the upper level of Decker College Center. The Vice President and Dean of Student Affairs and staff members are readily available to talk with individual students and groups; the goal of the Student Affairs staff is to help students make the best use of the College's and students' own resources and opportunities.

Residences

A student's residential experience is often an important facet of attending college, and the residence hall is far more than a place to sleep. Learning to live in close proximity with others, making new friendships, and becoming aware of the rights and responsibilities of all concerned are important aspects of a college education. Students who request campus housing and make a nonrefundable deposit are assigned rooms.

Housing

The College offers a variety of living arrangements. First-year students live on campus in two single-sex residence buildings, Whiteford and Rouzer Halls. For upperclass students, there are three traditional residence halls in which men and women are separated by floors. These are Albert Norman Ward Hall, Blanche Ward Hall, and McDaniel Hall; they contain single, double, and triple rooms, and, in some instances, suites. Daniel MacLea Hall is designed for suite-style living. Students may apply to live in substance-free areas, academic clusters, or affinity housing. Other areas are reserved for members of a particular fraternity or sorority to live together as a group. First-year students, sophomores, and juniors are required to live on campus unless they live with their parents or are over age 25. Exceptions are made by the Office of Residence Life. Upperclass students may live in North Village in apartments shared by four, five, or six students and equipped with its own kitchen, or in the Pennsylvania Avenue College-owned houses that border the campus. All rooms are wired for campus-based cable TV and Ethernet, and are provided with a telephone and a combination microwave/refrigerator. Smoking is not permitted anywhere in College residences.

Resident Staff

The Residence Life program is directed by five professional staff members and 30 Resident Assistants (RAs). RAs are qualified and trained undergraduates whose job it is to live with students and be available to oversee the quality of life in their areas. Resident Assistants are responsible for advising individuals, assisting in health or safety emergencies, communicating campus policies to students, and reporting student concerns to administrative staff. They also provide educational and social programs in the residence halls.

The Residence Life staff, along with the entire faculty and staff, assist in facilitating an environment of challenge and support. Students will be challenged by out-of-the-classroom experiences as well as academic experiences.

Roommates

Web-based roommate preference forms requesting information about study habits, musical tastes, and other considerations are available to new students prior to arrival on campus. The Residence Life staff uses the information in matching potentially compatible persons as roommates. Students may room with friends of their own choosing, but only mutual roommate requests will be honored.

Commuting Students

While about 80 percent of the undergraduate students live in the residence halls, commuting students are a welcome and active part of the student body. Many live with their parents or guardians within reasonable driving distance. The College urges all commuting students to visit the Campus Activities Office to learn about the services on campus tailored to their special needs. Commuters are encouraged to participate in the many extracurricular activities on campus.

New Student Orientation

During the week prior to the start of the fall semester, an orientation program is scheduled for all new students to welcome and assist them in acclimating to life at McDaniel College. Students will be welcomed into this community of scholars through a variety of intellectual activities including small-group discussions, lectures, and panel discussions. They will meet with faculty advisors and peer mentors, and have an opportunity to explore the range of academic offerings and programs that will match their interests and help them to meet their goals. Students will have the opportunity to begin new friendships and develop a multicultural perspective that will allow them to understand and value others. They will have a chance to become familiar with the layout of the campus, student government, student activities, student services, and the residence halls. On the day new students arrive on campus, they and their parents or spouses and other family members are invited to attend the Introduction Convocation, a ceremonial ringing of the Old Main Bell, and a reception in Memorial Plaza. A similar orientation is offered for new students in January.

Dining Service

All residential students other than those living in North Village, the Garden Apartments, and Pennsylvania Avenue houses are required to subscribe to a meal plan in Englar Dining Hall. Meals are served seven days a week and include continental breakfasts for students who prefer to eat later than the scheduled breakfast hour. Dining services are managed by the Sodexo Corporation, and menus include many alternate selections for the diet conscious. Commuting students are encouraged to purchase partial meal plans, and parents and visitors are welcome to purchase individual meals.

The Grille on the middle level of Decker College Center is open seven days a week, with extended evening hours.

Health Services

Student Health Services located in Winslow Hall provides free confidential medical and health-related services for many acute problems and health maintenance. This includes office visits, a limited number of medications for the treatment of common ailments, and certain lab tests. Also, students with chronic conditions may arrange for routine care, such as administering prescribed allergy medication. After an initial assessment, the Health Center medical staff will determine if the allergy medication may be safely administered on campus. If not, the staff will refer a student to off-campus providers.

Each student must complete a Medical Record Form before entering. Health Services are directed by the College physician who visits the Center regularly.

More comprehensive and specialized care is available at Carroll County General Hospital in Westminster. The College does not assume financial responsibility for any hospital services, nor for such services as visits to doctors' offices, consultation with specialists, laboratory tests, prescription drugs, x-rays, or immunization shots.

Many parents and guardians carry health insurance that covers their students while at the College; most nontraditional commuting students also have access to health insurance. If not, the College makes available a comprehensive health insurance program; information about this program is provided to all students. The College requires that the health of every student be insured.

Multicultural Services

The Office of Multicultural Services (OMS) works with McDaniel College faculty, staff, and various student groups to provide and support services to increase multicultural awareness and to facilitate the growth and development of the entire campus community.

OMS is particularly committed to the academic and personal support of underrepresented

students. OMS offers one-on-one counseling, referral services, recruitment programs, a mentoring program designed to assist first-year students, leadership development opportunities, a resource library, and information on scholarships and internships. OMS also advises culturally diverse student organizations and provides cultural programs and diversity training.

Counseling Services

Counseling services are free, voluntary, and confidential. A variety of services are offered to help students adjust to college life, cope with the environment, and plan for the future. After an initial assessment, the counselor will determine if a student's needs are best met by counseling. Services include short-term personal and group counseling, consultations, referrals to special programs, and workshops to educate and improve skills (coping with college life, etc.). The Counseling Services Office also offers pamphlets and books on topics of interest to the college student (stress management, relationships, etc.).

Career Services

The Career Services Office assists students with career planning and job placement needs throughout their undergraduate experience. Students can meet with a counselor to discuss academic major selection, career choices, employment opportunities, and job search strategies. Resources available to students include: e-recruiting, an online membership service (free of charge) for employers, alumni, and students; a complete career library; an alumni connections network; information on part-time and summer job opportunities; internship listings; and career-related workshops and seminars. As students approach graduation, they may take advantage of on-campus recruiting, career fairs, credential file service, monthly job bulletins, mock interviewing, résumé reviews, and the College's e-recruiting services.

Conveniences

The College maintains services for the students' and faculty's convenience in Decker College Center. An Automatic Teller Machine (ATM) provides access to accounts with BB&T Bank or other banks in the MOST system. The College Store sells textbooks and other books, general college supplies, imprinted sports clothing, health aids, CDs, greeting cards, gifts, and many other items. The Post Office supplies each student with an individual mailbox; stamps may be purchased, and packages mailed and received.

Admissions

McDaniel College welcomes applications from men and women who desire the lifelong personal and professional benefits of a liberal arts education and who eagerly enter the partnerships necessary to achieve it. Every year the College enrolls approximately 450 first-year students. In addition to entering first-year students, McDaniel College welcomes applications from students wishing to transfer from community colleges and other four-year colleges and universities.

Campus Information

McDaniel College invites prospective students to visit its campus. Touring the campus; speaking with students, faculty, and administrators; and perhaps eating in the College's dining hall (as guests) can add valuable perspective on the College. McDaniel College regularly holds Open Houses that include formal and informal presentations of information on academic programs, student life, financial assistance, and other pertinent topics.

A wide variety of information about the College can be found in the College's various publications and on the Web site, www.mcdaniel.edu.

Prospective students may request College publications and material as well as schedule campus visits and receive information about Open Houses and other special admissions programs through Admissions e-mail: admissions@mcdaniel.edu or by phoning toll free 1-800-638-5005, by faxing 1-410-857-2757, or by writing to:

The Office of Admissions
McDaniel College
2 College Hill
Westminster, Maryland 21157-4390
www.mcdaniel.edu

Personal interviews, group information sessions, and campus tours are usually available Monday through Friday at 10 a.m. and 2 p.m. and selected Saturdays by appointment.

Secondary School Background

Prospective applicants should pursue a broad secondary school program. Sixteen high school units are usually considered the minimum preparation for college. The College recommends that high school programs include four years of English, three years of social studies, three years of a foreign language, three years of work in laboratory sciences, and three years of mathematics. Whenever possible, students should carry more than the minimum academic load and participate in enriched or accelerated high school courses.

Admission Evaluation

McDaniel College evaluates the potential academic success of each candidate by considering the following:

- Secondary school courses and grades, with special consideration given to accelerated courses;
- Personal essay (Topics available on The Common Application);
- Personal traits, goals, and motivation;
- Recommendations and evaluations by principals, counselors, and teachers;
- Participation in nonacademic activities; and
- Aptitude and achievement tests.

Unless qualified for the SAT/ACT Optional Plan (see below), candidates for admission must take either the SAT-I or the ACT. Students should take one of these tests at the end of their junior year so results will be available for completing college applications early in the fall of their senior year. McDaniel does not utilize the writing score on the SAT-I and we do not require the writing component of the ACT. The CEEB code for McDaniel College is 5898; the ACT assessment code is 1756.

SAT/ACT OPTIONAL PLAN

This option is open to students who:

- Are in the top 10 percent of their high school class as verified and reported on the official high school transcript OR
- Have earned a cumulative GPA of 3.50 or better on a 4.00 scale in college preparatory coursework, for high schools that do not rank students.

Students choosing this option must indicate so by attaching a request in writing to the Common Application.

All students wishing to be considered for non-need based awards and/or the College Honors Program must submit the results of the SAT/ACT testing.

The Application Process

The College uses the Common Application and does not require supplemental data forms. Students may obtain copies of the Common Application from their high schools or the CommonApp Web site, www.commonapp.org. Students may apply online at the same site.

A complete application for admission consists of the Common Application form, official secondary school and college (if any) transcripts, official scores from the SAT or ACT tests (unless optional plan, see above), recommendations, and a \$50 nonrefundable application fee. Deadlines for receiving completed applications are December 1 for Early Action, and February 1 for Academic Scholarship consideration and regular admission. Early Action applicants will be notified by January 15; all other applicants for the entering class will be notified beginning on March 1. Applications from transfer students will be accepted until December 15 for the spring semester and April 1 for the fall semester. Complete applications along with a \$50 nonrefundable application fee, should be sent to:

The Office of Admissions
McDaniel College
2 College Hill
Westminster, Maryland 21157-4390

The College's Admissions Committee may request additional high school grades, test scores, admissions interview, and recommendations.

Transfer Application

Each year, about 20 percent of the College's new students have transferred from two- and four-year colleges and universities. The College grants transfer credit for courses that are standard liberal arts courses or that compare to the offerings of the College from institutions accredited by accrediting agencies recognized by the U.S. Department of Education. No grades of D will be approved for transfer.

To transfer to McDaniel College, students should:

- Submit The Common Application for Transfer Students along with the nonrefundable \$50 application fee,
- Have official transcripts sent from all secondary and postsecondary institutions attended,
- Have official SAT or ACT scores sent unless 30 credits have been earned at an accredited institution, and
- Have the Dean of Students of the previous college complete and send a statement of good standing.

Nontraditional Students

The College encourages applications from adults who have not begun or who have interrupted their college educations. They may enter as either full- or part-time students. Full-time students are eligible for financial assistance. Annually the College enrolls a significant number of these nontraditional students and makes efforts to be sensitive and responsive to their unique academic situations and needs. The Office of Academic Affairs provides advice and support for adult students who return to college; and in addition to their regular academic advisors, two members of the faculty serve as special advisors to nontraditional students.

International Students

McDaniel College has enrolled international students since 1890 and continues an active commitment to the broadest educational and social experience particularly in bringing together students from diverse cultures. International students enrich our campus, and the College strives

to provide them with an outstanding American education. In this respect, the College is committed to the principles of international education as defined by the National Association of Foreign Student Affairs: Association of International Educators.

To apply for International student admission, submit the following:

- The Common Application along with the nonrefundable \$50 application fee;
- Official high school records and results from all secondary school, university, and national examinations translated in English;
- Official SAT or ACT scores from College Board. If English is a second language, official copies of the TOEFL may be submitted. Students must have a minimum score of 550 on the paper examination, 213 on the internet examination, or a score of 80 on the TOEFL iBT with a minimum score of 20 in each section; and
- Certificate of Finances Form with official bank statements.

A limited number of scholarships are available to international students who have demonstrated outstanding academic ability. Need-based financial assistance is not available for international students.

The Honors Program

Students with outstanding academic records (e.g. GPA, standardized test scores, class rank, honors or AP courses, language courses) are invited to join the Honors Program. In their first year, honors students are required to take the two-semester sequence of Great Works of the Western World I and II. These Comparative Literature courses fulfill the Critical Inquiries of Textual Analysis (GW I) and Social, Cultural, and Historical Understanding (GW II). Students are also required to take four honors electives. Examples of recent honors electives include Bioethics, The Arab World, and Politics of Developing Areas. Students also pursue honors in an individual department or discipline, and in their senior year present that departmental project in a multidisciplinary Senior Honors Seminar. Honors students also must maintain a 3.50 GPA. Students are encouraged to study abroad; the Honors Faculty Committee will consider a student petition for a substitution of a semester abroad in advance of the trip. Students may choose to live in honors housing and participate in extra- and co-curricular activities together, such as attending a play or symphony. Students may also serve as officers on the Student Executive Board that is involved in running the Honors Program. Completion of the program earns a certificate designating students as College Scholars. The Honors Program is by invitation only and certain students who earn a high enough GPA will be asked to join after they complete their first semester at McDaniel. Such students will be invited to interview and submit an application. Questions regarding the Honors Program should be addressed to the Director of the Honors Program, or e-mailed to honors@mcdaniel.edu

Advanced Placement Test

Advanced Placement exam scores are normally accepted by the College on the following basis:

TEST SCORE

- 4 or 5: Students may receive advanced placement plus up to 8 hours credit.
- 3, 2 or 1: No advanced placement or credit is given.

College Placement and Credit by Examination

In addition to granting college credit based on Advanced Placement Test results, the College grants to enrolling students college credit for Liberal Arts subject areas based on the results of subject tests from the College Level Examination Program (CLEP). Placement and credit will be granted to those whose CLEP scores are equal to or above the American Council of Education's recommended minimum scores. These scores are listed in the College Board's publication *College Placement and Credit by Examination*.

Concurrent Enrollment

Credit for college courses taken while a student is still enrolled in high school is determined by the same standards used for granting transfer credit.

International Baccalaureate (IB) Diploma

The College recognizes IB-level work and grants a maximum of one year of credits (32 hours) for examinations in higher-level courses only. Credits are awarded as follows:

TEST SCORE

- 5 or higher: Student will receive eight hours credit.
- 4: Student will receive credit at the discretion of the appropriate department.
- 3 or lower: Student will not receive credit.

IB credits may be counted toward the McDaniel Plan Requirements, major or minor requirements, or electives in the same manner as Advanced Placement credits. Students should confer directly with departments to determine exact placement in departmental courses.

Special Students

Secondary school students, students from other colleges, and nontraditional students are welcome to enroll for specific classes without completing the regular admission application or enrolling as degree candidates. Special students may take a maximum of eight credits before seeking admission to the College. The progress of special students is monitored by the Office of Academic Affairs. Registration forms for special students are available from the Office of the Registrar.

Students with Special Needs

The College makes programs and activities on its campus available to every enrolled student and is committed to offering a campus environment free of discrimination and bias in matters affecting individuals with disabilities. The College admits qualified students and believes that no one should be barred from an education because of a disability. Program accessibility is assured by means of reasonable learning activities offered by the College; the Student Academic Support Services Office provides services to students with disabilities enrolled at the College. As stated in Section 504 of the Rehabilitation Act of 1973, it is the student's responsibility to make their disabling condition known and to request academic adjustments in a timely manner. Educational testing is required and should be no older than two years. In some cases, the Student Academic Support Services Coordinator will call the high school or the professional who performed the testing in order to gain a broader understanding of the student's abilities.

Financial Aid

McDaniel College supports a program of financial aid to eligible students on the basis of both need and merit. The College is able to do this through its endowment, gifts, and grants, and through cooperation with certain government programs and other resources for student aid. Over 80 percent of the current student body receives some form of financial assistance. A family's total financial resources and obligations are considered in awarding aid; it is expected that students and their families assume as much responsibility for educational expenses as they are able. Students are admitted to the College based on academic and other non-financial criteria prior to consideration of their applications for financial aid.

Students who have been accepted by the College and can demonstrate financial need as required by the federal government may be eligible for assistance in the form of grants, loans, and

opportunities for student employment. Frequently an award is a package of these resources, plus any awarded academic scholarships, tailored to the student's needs. Aid is also available from many other sources, both public and private. Many awards carry provisions for annual renewal for students who do well academically and whose financial circumstances remain unchanged. To find out about eligibility for financial aid, students must apply.

The Application Process

Students must submit a completed Free Application for Federal Student Aid (FAFSA) to the U.S. Department of Education's Federal Student Aid Program. McDaniel College's code is 002109. Students can complete the FAFSA online at www.fafsa.ed.gov. FAFSAs are also available at secondary school guidance offices and from the College Financial Aid Office. In addition, students must submit a McDaniel Financial Aid Application directly to the College. These applications are mailed to all applicants for admission or may be obtained by calling the Financial Aid Office. They can also be downloaded from the McDaniel College Financial Aid web site, www.mcdaniel.edu/finaid.

Students are strongly urged to submit the FAFSA by March 1 (it cannot be submitted before January 1). Prospective freshmen should submit the McDaniel Financial Aid Application by March 1. Award letters to prospective students are generally mailed beginning in March. Applicants must be accepted by the College for admission before financial aid is awarded. Returning students receive their award letters in June. Students are required to submit copies of their and their parent(s) federal tax returns for the previous year, and the College reserves the right to adjust an award based on this information. Students are urged to submit these copies as soon as they are available. The Financial Aid Office is the only College office empowered to make offers of financial aid.

Students are urged to contact their high school counselors regarding state and local sources of aid to supplement potential aid from the College.

Financial Aid Counseling

Parents and students who desire assistance and information on financial aid are encouraged to contact the Financial Aid Office in Elderdice Hall. The Financial Aid staff reviews a student's eligibility for aid of various types, describes applicable alternatives, and explains the process involved.

A financial aid brochure containing detailed information about how to apply for aid is available upon request from the Offices of Admissions or Financial Aid. More information is also available on the Financial Aid Web site, www.mcdaniel.edu/finaid.

McDaniel College scholarships and grants are funded in part by the generosity of alumni and friends of McDaniel College specifically for student aid. Students may be asked to attend a luncheon and write a thank-you to a particular donor.

Academic Scholarships

The College awards more than \$10 million each year in scholarships to academically talented students. These renewable scholarships range in amounts from \$5,000 to full tuition.

First-Year Students

In order to be eligible for an Academic Scholarship, the student must be a high school senior with an outstanding academic record, and have SAT scores well above the national average. Information concerning Academic Scholarships is available through the Office of Admissions.

Transfers

In order to be eligible for a Transfer Scholarship, a transfer student must have completed at least one year of college work with a grade point average of 3.20 or higher.

McDaniel College Grants

A substantial number of grants valued from \$1,000 to \$25,000 are awarded to students each year based upon their financial need.

Family Tuition Reduction Grant

Families with more than one immediate full-time undergraduate family member at the College are offered a special tuition reduction grant of \$2,000. This award is listed on the second family member's financial aid award and bill. The grant will continue each year as long as there are two family members enrolled full time in the undergraduate program. If more than two members attend the College simultaneously, a tuition reduction grant will apply for each additional person.

Carroll County Grants

These scholarships are awarded to students who have been residents of Carroll County for at least 12 consecutive months immediately prior to enrollment (except those students who receive full-tuition scholarships or full-tuition benefits from the college). These scholarships are funded in part by the generosity of Carroll County businesses. Students are invited to an annual reception to meet the donors.

Eagle Scout/Gold Award Scholarship

Eagle Scout and Gold Award recipients are eligible for a \$2,000 renewable tuition scholarship. Students are required to send a copy of their certificate.

Junior Achievement Scholarship

The College offers a \$2,000 Junior Achievement tuition scholarship to high school students participating in Applied Economics. The scholarship is renewable for all four years, and students must write a letter to the Admissions Office stating they are interested in applying for the scholarship. The deadline for application is February 1.

Federal Grants

Federal Pell Grants are based solely on financial need. The amount of the grant is established by the U.S. Department of Education, based on a formula using family income and assets. The amount of the award may vary from year to year depending on changes in family income or federal regulations. To receive a Federal Pell Grant, a student must be enrolled as at least a half-time undergraduate student and must be a citizen or permanent resident of the United States. Federal grants include Federal Pell Grants, Federal SEOG Grants, and Federal Academic Competitiveness Grants.

For more information see www.mcdaniel.edu/finaid.

Maryland State Grants

Any Maryland resident who intends to apply to McDaniel College for financial aid must apply for the Maryland State Scholarships and Grants. The FAFSA must be filed by March 1. Maryland students should also contact their state delegate and senator for scholarship consideration. Please note that receipt of a state scholarship or grant reduces a student's eligibility for a McDaniel College Grant.

Other State Grants

Other states which have grant reciprocity with Maryland include: Maine, Rhode Island, and Vermont as well as Washington, D.C. Some of these states require a separate application while others use the FAFSA. Applicants should check for their states' application deadlines. Please note that receipt of a state scholarship or grant reduces a student's eligibility for a McDaniel College Grant.

Loans

The Federal Perkins Loan enables the College to assist many needy students. Loan amounts range from \$500 to \$1,700 per year. The interest rate is 5 percent, starting at the time of repayment. Repayment begins nine months after the student ceases to be enrolled at least half time.

The Federal Robert T. Stafford Student Loan Program also makes low-interest loans available to students. The maximum loan amount per year is \$3,500 for a student's first-year status, \$4,500 for a student's second-year status, and \$5,500 for a student's third- and fourth-year status. The maximum amount that an undergraduate student may borrow is \$23,000. For subsidized loans (based on financial need), the federal government pays the interest that accrues while the student is enrolled in college. For unsubsidized loans (generally not based on financial need), the student is responsible for paying all the interest that accrues on the loan. Repayment begins six months after the student ceases to be enrolled at least half time.

Federal Work Study

Many students hold part-time jobs on campus during the academic year. Jobs are available primarily for students who have been awarded financial aid packages which include Federal Work Study. Students participating in these opportunities may earn between \$500 and \$2,000 a year. New students are mailed a list of job openings in August. In addition, job openings are listed on the Financial Aid Website at www.mcdaniel.edu/finaid and at the individual departments.

Typical student employment includes positions such as library aides, lab assistants, tutors, and assistants in the Offices of Admissions and other administrative areas. Many students work in Decker College Center at the Information Desk, managing the game rooms and lounges, and in the College Activities Office. Jobs in the Athletics Department range from lifeguarding at Harlow Swimming Pool to managing admission at varsity events.

Satisfactory Progress Standards

All students receiving any type of financial aid, including merit-based academic scholarships, must meet the College's academic satisfactory progress standards in order to continue receiving aid each year. The U.S. Department of Education mandates that standards of satisfactory progress be set and maintained by all students receiving federal funding.

Students not making satisfactory progress will be notified and placed on a one-semester probation. If the standards are not met following the one-semester probation, financial aid will be withheld.

Students with extraordinary circumstances may appeal in writing to the Director of Financial Aid. Students who have been denied assistance based on unsatisfactory progress must successfully meet the satisfactory progress standards before being reinstated on financial aid.

Students who have earned greater than 150 credit hours and wish to receive financial aid should provide documentation with an appeal to the Director of Financial Aid demonstrating why they have not yet received a bachelor's degree.

Army ROTC Scholarship

The Army Reserve Officers' Training Corps program at the College offers four-, three-, and two-year scholarships to qualified applicants. Army ROTC scholarships are awarded by a national board based on academic merit and leadership potential. The scholarship amount equals tuition and fees plus textbook allowance of \$600, and monthly stipend starting at \$300 per month as a freshman. The College awards ROTC scholarship recipients with room and board grants, which, when combined with the ROTC funds, covers the total cost of education. These awards are renewable annually, contingent on the student maintaining a minimum 2.50 cumulative grade point average. Four-year scholarship applications must be submitted by November 1 of the year prior to college entry. Information and applications may be obtained from high school guidance offices, the Military Science department at McDaniel College, or online at <https://schlr4yr.usarmyrotc.com/rotc/Schlr4yr/index.htm>.

Veterans' Administration Benefits

Veterans or their dependents who are eligible for veterans' educational benefits should contact the Office of the Registrar for certification of enrollment. Veterans' Administration regulations require students receiving benefits to enroll in courses that lead to a degree or certificate and to maintain satisfactory progress.

Monthly allowances, paid directly by the Veterans' Administration to the veteran, are based on the students' total credit hours per semester. Student tuition and fees are paid to the College by the student.

Installment Plans

McDaniel College makes available a commercial tuition payment plan (See Expenses/Services: Payment of Bills.).

NOTE: This financial aid information was correct at the time this catalog was written. Changes in required forms, filing dates, amounts of awards and other matters, many beyond the control of the College, are constantly taking place. Because of possible changes, financial aid applicants should contact the Office of Financial Aid for current information.

Expenses/Services

McDaniel College has always attempted to keep its fees within the reach of those students coming from families with moderate incomes while offering a liberal arts education of outstanding value.

The regular academic year for undergraduates consists of a fall semester, the January Term, and a spring semester. Students enrolling for 12 or more credit hours in the fall and spring semesters are charged tuition as full-time students. Students enrolled for more than 22 credits per semester are billed for each credit hour over 22. Students enrolling for less than full time will be charged at the part-time rate. However, all resident students, whether full or part time will pay the full-time tuition rate.

Degree-seeking undergraduates are entitled to enroll in one three-week January Term without paying additional tuition. Board and special fees are billed to the student's account. Students electing to enroll in two or more January Terms are charged a flat tuition rate. More information on Jan Term charges for tuition and housing requirements is provided in the Undergraduate Student Expenses section.

Tuition and Payment of Bills

Full-time students are charged a flat tuition fee of \$14,470 per semester. The tuition for part-time and special students is \$904 per credit hour.

McDaniel College divides basic charges into two half-year billings, the first payable by August 6, 2007, and the second by January 4, 2008. An additional charge (late payment penalty) of 1.5 percent a month on the unpaid balance or \$25, whichever is greater, will be added if payment is not received in the Bursar's Office on or before the payment due date and on the unpaid balance of each succeeding month throughout the session. The proceeds of Federal Stafford or PLUS Loans are exempt from the late payment penalty provided a completed application is received by the Financial Aid Office at least four weeks prior to the first day of the semester. Additional bills for miscellaneous fees, library fines, property damages, etc., are mailed as charges are incurred. Checks should be mailed to the Bursar's Office. No student will be permitted to enter class, receive grades or transcripts, advance from one class to another, or be graduated until all financial obligations are met. The student is responsible for attorney's fees and other costs necessary for the collection of any amount due.

Students normally pre-register for the following semester during assigned periods as outlined in the Registrar's *Schedule of Classes* booklet.

Students may print their class schedules from the Archway and complete their registration prior to the first day of the semester. A \$50 late registration fee will be charged to students completing their registration on or after the first day of the semester.

For the convenience of parents desiring monthly payment arrangements, McDaniel College in partnership with Tuition Management Systems offers choices to make education affordable. Whether students prefer to pay the annual expenses by an interest-free, 10-month Tuition Contract or a low interest loan, TMS's counseling services help keep payments affordable and loan debt at a minimum. Families may make inquiries at TMS's toll-free number 1-800-722-4867 or online at www.afford.com. Other commercial plans are available and may be obtained from the Bursar's or Financial Aid Office.

Schedule of tuition and fees follows:

Undergraduate Student Expenses

College Year 2007-2008

<i>Standard Fees per semester</i>	<i>Resident</i>	<i>Non-Resident</i>
Tuition ¹	\$14,470.00	\$14,470.00
Residence Hall Room ²	\$ 1,600.00	
Board ³	\$ 1,350.00	
Standard Semester Total	\$17,420.00	\$14,470.00
Non-Recurring Fees		
Matriculation Fee ⁴	\$ 400.00	\$ 400.00
Residence Security Deposit ⁵	\$ 250.00	

¹ Students enrolled for more than 22 credit hours are billed an additional \$904 for each credit hour over 22.

² Rate for a standard double room in a traditional Residence Hall.

³ Rate for the 210-meal per semester plan which averages to 14 meals per week. Freshmen living in Residence Halls are required to take the 210- or 240-meal plan. Board is optional to residents of North Village and Pennsylvania Avenue houses, and commuters.

⁴ One-time initial enrollment fee.

⁵ One-time deposit to secure against residence hall damage. Unused balance returned when student leaves campus housing.

January Term 2008

	<i>Resident</i>	<i>Non-Resident</i>
Tuition (2 credits) *	590.00	590.00
Physical Education class (1/2 credit) **	150.00	150.00
Internships/special studies per credit*	180.00	180.00
Audit (2 credits) **	345.00	345.00
Room	no charge	
Meals***	225.00	

- * Students are required to complete successfully one two-credit-hour January Term course as a requirement for graduation. Full-time undergraduates are entitled to enroll in one January Term without paying additional tuition. However, any special fees required by the courses must be paid. Study tours typically do not have tuition billed.
- ** PE classes and audited classes do not meet the two credit graduation requirement. They will be billed for every Jan Term.
- *** Students remaining in the residence halls during January Term are required to pay the 36-block meal plan. Athletes who are not taking classes during January Term, but who are remaining in the residence halls for the duration, are billed for the 36-block meal plan.

If students take a study tour as their first January Term, they may register for one future January Term on-campus course without additional tuition. Students on leaves of absence or not enrolled at the College in the fall and who return for the January Term will be charged tuition, if applicable, and board for the session.

Modest increases in tuition, room, and board may be expected each year.

Miscellaneous Fees

A complete listing of miscellaneous fees is available in the Bursar's Office. Some of these fees are as follows:

	<i>Per Semester</i>
Audit Tuition Rate	\$ 452.00
(1/2 of regular credit hour)	
Student Teaching Fee	\$ 600.00
Music Fees:	
Private lessons, 1/2 hour per week	\$ 250.00
Private lessons, 1 hour per week	\$ 500.00
Physical Education Fees:	
Bowling	\$ 28.00
Lifeguarding/Water Safety	\$ 60.00
Racquetball	\$ 20.00
Walleyball	\$ 20.00
Skiing	
No Rental	\$ 148.00
Full Rental	\$ 192.00
Photography Class Fee	\$ 40.00
Ceramics Class Fee	\$ 30.00
Jewelry Class Fee	\$ 40.00
Art Course Field Trips	\$ 25.00 – 50.00
Poster Fee	\$ 40.00
Late Registration Fee	\$ 50.00

Parking Registration Fee		
Annual	\$	75.00
		<i>Per Request</i>
ID Replacement	\$	20.00
Post Office Key Replacement	\$	20.00
Transcript Fee Per Official Copy	\$	5.00

Room Fees

Freshman, sophomore, and junior students are required to live on campus unless they live with their parents, are married, or are over age 25. Exceptions are made by the Residence Life Office. Students are assigned single, double, or triple rooms in the Residence Halls. Double and single rooms are available in North Village and Pennsylvania Avenue houses. The semester rates for these rooms follow:

<i>Residence Halls</i>			
double	\$1,600.00	single	\$1,975.00
<i>Forlines and MacLea Residence Halls</i>			
double	\$1,750.00	single	\$2,075.00
<i>North Village</i>			
double	\$2,350.00	single	\$2,625.00
<i>Pennsylvania Avenue Houses</i>			
double	\$1,900.00	single	\$2,175.00

North Village and Pennsylvania Avenue houses are equipped with kitchen facilities.

All students living in College-owned housing will be charged full-time tuition.

All students desiring College housing must make a deposit of \$200 in the spring before room assignments will be made for the following fall. This is subsequently credited toward the room charges when billed.

Board Fees

The College offers a “block plan” rather than the traditional “meals per week” in order to provide maximum flexibility. This plan provides a block of meals to be allocated by the student over the course of the semester. The number of meals consumed each week (or day) is at the discretion of the student and unused meals may be carried forward throughout the semester. Changes or cancellations to the meal plan must be made within the first two weeks of the semester.

All first year students residing in a traditional residence hall are required to be on the 210-block plan or the 240-block plan for two semesters. The meal plan averages 14-16 meals per week for the 15-week semester. Upper class students residing in the residence halls are required to be on at least the 150-block plan. Residents of North Village and Pennsylvania Avenue houses and commuters may select any meal plan option by submitting a request to the Bursar’s Office. The meal plans and the semester costs for 2007-2008 are as follows:

240 Block Plan: \$1,450.00 per semester. The student is given \$50 debit per semester and 3 free guest meal passes. Thirty-five meals may be used in the snack bar (Pub/Grille) from 7-11:30 p.m. Averages 16 meals per week.

210 Block Plan: \$1,350.00 per semester. The student is given \$50 debit per semester and 3 free guest meal passes. Thirty meals may be used in the snack bar (Pub/Grille) from 7-11:30 p.m. Averages 14 meals per week.

180 Block Plan: \$1,250.00 per semester. The student is given \$50 debit per semester and 3 free guest meal passes. Twenty-five meals may be used in the snack bar (Pub/Grille) from 7-11:30 p.m. Averages 12 meals per week.

150 Block Plan: \$1,150.00 per semester. The student is given \$50 debit per semester and 3 free guest meal passes. Twenty meals may be used in the snack bar (Pub/Grille) from 7-11:30 p.m. Averages 10 meals per week.

90 Block Plan: \$725.00 per semester. The student is given \$50 debit per semester and 3 free guest meal passes. Fifteen meals may be used in the snack bar (Pub/Grille) from 7-11:30 p.m. Students completing their Student Teaching Certification who reside in a residence hall may select this plan for that one semester. Averages 6 meals per week.

5 Lunch Only Plan: \$330 per semester. Students may have lunch in Englar Dining Hall Monday through Friday. This meal plan is available to commuter students or another option for those students living in non-traditional residence halls.

January Term 36 Meal Plan: \$225 for 3-week session. All students residing in the campus residence halls will be billed the 36-meal plan (12 meals per week), whether they are here for athletics, as student workers, or taking classes. Optional meal plans are available for students residing in the Garden Apartments, North Village, Avenue houses and commuters.

Students with meal plans have their I.D. cards activated as Allcard debit accounts. Commuter students also have debit card capabilities. The card is used to gain access into Englar Dining Hall; purchase books, supplies, and clothing at the College Book Store; purchase meals and snacks at the Pub/Grille. The I.D. card of ALL students have vending debit card capabilities for the soda and snack machines, washers, dryers, and the Hoover Library copiers/microfiche. Please refer to the Allcard Dining Plan and Vending brochure for more information.

For more information on any of the meal plans, contact the Bursar's Office.

Health Insurance Fees

A Student Health Insurance fee of approximately \$350 is charged to all students each academic year. Students who have comparable coverage under another policy may waive the cost by submitting an on-line waiver by the due date. Instructions for completing the waiver are included in the Bursar's billing cover letter, the insurance brochure, or by contacting the Bursar's Office.

Refund Policy

McDaniel College must make financial commitments to its faculty, staff, and service contractors on an annual basis. It is assumed a student will not withdraw from the College during a semester. Should withdrawal become necessary because of prolonged illness or similar unusual circumstance, the following refund policy will prevail:

Tuition refund in event of withdrawal:

First week	80%
Second week	60%
Third week	40%
Fourth week	20%
After fourth week	no refund

Room

There will be no refund unless the room can be occupied by a nonresident student. If the room is filled, the refund will be prorated from date of withdrawal.

Board

A pro rata refund will be made from date of withdrawal. For students who have an Allcard Debit Account, all remaining funds will be refunded less a \$20 administrative fee.

The effective date of withdrawal is the date upon receipt of the Withdrawal Form in the Office

of Academic Affairs. Should a credit balance be generated due to a reduction in tuition or other charges when a student withdraws, policies regarding refunds to federal aid programs will take precedence. Any remaining credit balance will be mailed to the billing address at the end of the academic semester.

It may happen that financial aid postings may exceed the cost of tuition, room, and board. If this occurs, a credit balance will appear on the billing statement. The College will maintain the credit and apply other cost-of-attendance charges such as books, supplies, transportation, miscellaneous personal expenses, or other institutional charges incurred at the student's discretion. The student may rescind this procedure at any time. The student may request a refund of the credit from the Bursar's Office at any time.

Return of Financial Aid

Students who withdraw from the College during the semester may not be eligible for some or all of the financial aid they received for that semester. Funds for which students are no longer eligible must be returned to the appropriate program fund.

Return of Title IV Funds

The Financial Aid Office is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60 percent of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations.

If a student leaves McDaniel prior to completing 60 percent of a payment period or term, the Financial Aid Office recalculates eligibility for Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

Percentage of term completed = the number of days completed up to the withdrawal date divided by the total days in the term (Any break of five days or more is not counted as part of the days in the term.). This percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula:

Aid to be returned = (100 percent of the aid that could be disbursed minus the percentage of earned aid) multiplied by the total amount of aid that could have been disbursed during the payment period or term.

If a student earned less aid than was disbursed, the College would be required to return a portion of the funds and the student would be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student may owe a debit balance to the College.

If a student earned more aid than was disbursed to them, the College would owe the student a post-withdrawal disbursement which must be paid within 120 days of the student's withdrawal.

The College must return the amount of Title IV funds for which it is responsible no later than 30 days after the date of the determination of the date of the student's withdrawal.

Refunds are allocated in the following order:

- Unsubsidized Federal Stafford Loans
- Subsidized Federal Stafford Loans
- Federal Perkins Loans
- Federal Parent (PLUS) Loans
- Federal Pell Grants for which a return of funds is required
- Federal Supplemental Opportunity Grants for which a return of funds is required
- Other assistance under this Title for which a return of funds is required (e.g., LEAP)

Academic Achievement

Honors Program

Students with outstanding academic records (e.g. GPA, standardized test scores, class rank, honors or AP courses, language courses) are invited to join the Honors Program. In their first year, honors students are required to take the two-semester sequence of Great Works of the Western World I and II, which fulfill the Critical Inquiries of Textual Analysis and Social, Cultural, and Historical Understanding, respectively. Students are also required to take four honors electives. Examples of recent honors electives include Bioethics, World of Light and Color, and Politics of Developing Areas. Students also pursue honors in an individual department or discipline, and in their senior year present that departmental project in a multidisciplinary Senior Honors Colloquium. All honors students also must maintain a 3.50 GPA. Students are encouraged to study abroad; the Honors Faculty Committee will consider a student petition for a substitution of a semester abroad in advance of the trip. Students may choose to live in honors housing and participate in extra- and co-curricular activities together, such as attending a play or symphony. Students may also serve as officers on the Student Executive Board that is involved in running the Honors Program. Completion of the program earns a certificate designating students as College Scholars. The Honors Program is by invitation only and certain students who earn a high enough GPA will be asked to join after they complete their first semester at McDaniel. Such students will be invited to interview and submit an application. Questions regarding the Honors Program should be addressed to the Director of the Honors Program, or e-mailed to honors@mcdaniel.edu

Phi Beta Kappa Society

Phi Beta Kappa was established in 1776 as a philosophical society. Eventually, it evolved into the paramount honor society for the liberal arts in the United States and consists currently of 276 local chapters. Its goal is to support, foster, and recognize the excellence of liberal arts scholarship in the institutions of higher education in America. The Delta of Maryland Chapter at McDaniel College was established in 1980. The chapter consists of members of the society who conduct the business of the society and elect student members, usually in the second semester of their senior year.

The requirements for membership include a major in the arts and sciences, exceptional scholarly achievement, broad cultural interests, and good character. Candidates must present a program including no fewer than 96 credit hours of liberal studies (or at least 3/4 of the courses required for the B.A. degree) and have obtained a minimum grade point average specified by the chapter. Liberal studies shall be considered to be those designed principally for knowledge, understanding, or appreciation of the natural and social world in which we live. Grades earned in applied or professional work may not be counted in computing the liberal arts hours or the grade point average for eligibility.

In considering a candidate's eligibility, weight will be given to the breadth of the program as shown by the number, balance, and variety of courses (including some at the upper level) taken outside the major. Also, as befits a liberal education, students must have demonstrated college-level knowledge of mathematics and a foreign language. This knowledge is identified by an AP score of 4 or higher in mathematics, placement into Calculus, or completion of a college-level mathematics course (3-4 credits) and by completing a 2000 level foreign language course. Election to membership in Phi Beta Kappa is wholly within the discretion of the local chapter, subject only to the limitations imposed by the constitution and by-laws of the chapter.

Eligible candidates will have completed at least three full semesters of work at the College and be registered as full time for the fourth semester. Students who complete their college studies at the end of the summer session or before the end of January will be considered for membership during the following spring. Questions may be directed to the president or secretary of the Chapter.

Honor Societies

In addition to Phi Beta Kappa, there are numerous other honorary societies on campus. Three societies oriented toward general accomplishment are Omicron Delta Kappa, a national society recognizing leadership qualities; Alpha Lambda Delta, a national honor society for first-year students; and the Trumpeters, a local society honoring senior students dedicated to service.

National and international honor societies which recognize academic accomplishment in specific fields are Beta Beta Beta (Biology), Gamma Sigma Epsilon (Chemistry), Lambda Pi Eta (Communication), Omicron Delta Epsilon (Economics), Kappa Delta Pi (Education), Phi Alpha Theta (History), Lambda Iota Tau (Literature), Phi Sigma Iota (Foreign Languages), Kappa Mu Epsilon (Mathematics), Omicron Psi (Nontraditional Students), Phi Sigma Tau (Philosophy), Sigma Pi Sigma (Physics), Pi Sigma Alpha (Political Science), Psi Chi (Psychology), Pi Gamma Mu (Social Sciences), Phi Alpha (Social Work), and Alpha Psi Omega (Theatre Arts).

Dean's List

The Dean's List recognizes full-time (12 or more letter-graded credit hours) undergraduate students with outstanding academic performances each semester on the following basis:

- Highest honors, requiring a semester grade point average of 3.90 or higher.
- High honors, requiring a semester grade point average of 3.70-3.89.
- Honors, requiring a semester grade point average of 3.50-3.69.
- Students who receive a grade of "I" or "NR" in any of their courses are not eligible for Dean's List.

General Honors at Graduation

General honors citations are recognized at graduation and recorded on the diplomas and on the students' permanent records. These honors are:

- Summa Cum Laude, for a cumulative grade point average of 3.90 or higher.
- Magna Cum Laude, for a cumulative grade point average of 3.70-3.89.
- Cum Laude, for a cumulative grade point average of 3.50-3.69.

Eligibility for general honors requires a minimum of 64 credit hours at the College or affiliated programs such as overseas programs, the Washington Semester, Gallaudet Visiting Student Program, and courses taken at the Budapest campus.

Departmental Honors at Graduation

Departmental honors are recognized at graduation and are recorded on the students' permanent records. To receive departmental honors, students must:

- Have a grade point average of 3.50 in all courses taken in the major.
- Satisfy any departmental requirements, such as engaging in a seminar or in independent study, submitting an essay, or passing with distinction a comprehensive examination in the major field.
- Be recommended by the department.

This option is also available to those students with student-designed majors.

Edith Farr Ridington Phi Beta Kappa Writing Award

The Edith Farr Ridington Phi Beta Kappa Writing Award was established by the College's Phi Beta Kappa Chapter to honor Edith Farr Ridington (Senior Lecturer Emerita, until her death), long-time member of the faculty and charter member and historian of the Delta of Maryland Chapter of Phi Beta Kappa. The award goes to the graduating senior whose paper, written in consideration for honors in a major field, is judged to be the best of those submitted by the various departments or programs.

The Argonaut Award

The Argonaut Award, named for the College's original honor society founded in 1935 and superseded by Phi Beta Kappa in 1980, is given to the graduating senior or seniors with the highest cumulative grade point average in the class. For purposes of this award, the cumulative grade point average will be calculated based upon the student's entire transcript, using both transfer and the College's credits.

Academic Regulations

Academic Class

The College assigns students' class levels according to the following credit criteria:

0 to 23 credits = freshman

24 to 56 credits = sophomore

57 to 84 credits = junior

85 or more credits = senior

Grading System

For each course, the instructor determines the progress of the individual and the class by means of class work, tests, special assignments, papers, projects, conferences, and other procedures that might prove valuable.

The scholastic standing of students is indicated by a system of grades designated by the letters A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, CR, NR, and I. A, B, C, and D are passing grades, A+ indicating work of the highest rank, D- of the lowest. Students receiving the grade of F must repeat the course if they wish to receive credit for it.

Students receiving the grade of I (Incomplete) for a course must complete the course within one year from the date of record, unless a shorter time has been set by the course instructor or the Admissions, Retention, and Standards Committee. If the work for which the incomplete was granted is not finished within one academic year, the instructor will determine the grade for the course or an "F" will be assigned. The granting of an incomplete is not an option for graduating seniors in their final semester. Students may not graduate with a grade of "I" on their academic record.

NR (Not Reported) is given when no grade is reported for the student by the instructor. These grades will be changed to an "F" if they are not resolved within one academic year.

Credit-Fail

Qualified juniors and seniors may elect one course per semester under the Credit-Fail option. To receive credit (CR) for a course under this option, a student must attain a grade of C- or better, but the letter grade is not recorded on the student's record. Grades of "D+" or lower are converted

to “F” under this option. Any grades of “F” obtained under the Credit-Fail option will be used in the calculation of the student’s grade point average. Although a student must declare the Credit-Fail option prior to the end of the second week of class, they can request a change from Credit-Fail to letter grade prior to the end of the semester. Courses taken Credit-Fail will not count toward a major or minor, or satisfy the The McDaniel Plan Requirements, except for Physical Activity and Wellness. All internships and some January Term courses are graded on a Credit-Fail basis only, with the exceptions of student teaching and social work.

Auditing

An audit is entered on the record as “AU,” no credit hours attempted, and no grade or quality points awarded. The instructor sets the amount of participation required in the course. For a full-time student, there is no additional charge. For a part-time student, the charge is one-half the regular tuition. Although a student must declare the Audit option prior to the end of the second week of class, they can request a change from Audit to letter grade prior to the end of the semester. Students who choose this option must complete course requirements as assigned, must have the instructor’s approval to change from audit to credit, and must pay the price differential. While audited courses appear on student transcripts, they do not carry grades or credit. If the student does not meet the instructor’s requirements, the instructor has the right to delete the course from the student’s record.

Grade Point Average (GPA)

The general quality of students’ work is determined numerically and is called the grade point average (GPA). The GPA is calculated in two steps. First, letter grades are converted to numerical values on the following scale: A+=4.30; A=4.00; A-=3.70; B+=3.30; B=3.00; B-=2.70; C+=2.30; C=2.00; C-=1.70; D+=1.30; D=1.00; D-=0.70; and F=0.00. A student earns quality points for each course completed equal to the number of credit hours for the course multiplied by the point value for the grade. Then, the semester grade point average is calculated by dividing the total quality points achieved by the number of credit hours attempted in letter-graded courses. Thus, a student taking four, four-hour courses (totaling 16 hours) who received one A, one B, and two Cs would have earned a GPA of 2.75 for the semester. $(4 \times 4.00) + (4 \times 3.00) + (8 \times 2.00) = 44.0 \div 16 = 2.75$.

Similarly, an overall GPA for all work attempted at the College is calculated by dividing the total number of quality points earned by the total number of credit hours attempted. Affiliated Study Abroad Programs and certain Special Off-Campus Programs will be used in the calculation of a student’s grade point average. However, transfer credit, AP credit, CLEP credit, and “credit” grades are not calculated in the College’s GPA.

To maintain class standing, students must successfully complete the normal program of credit hours with at least a 2.00, or C, average. The Admissions, Retention, and Standards Committee will review any student’s record whose cumulative grade point average is less than 2.00.

The standard course load is 32 credit hours a year, but students should undertake programs they can handle successfully, no matter what the credit hour totals. The number of credit hours that each course carries is stated in the *Schedule of Classes* and McDaniel College catalog.

The recommended first semester schedule normally consists of four regular (four semester hour) courses, totaling sixteen semester hours, with the possible addition of one or more courses with lesser credit (0.5-2 semester hours).

Twelve semester hours are the minimum you may carry in order to be considered full time. Failure to maintain full-time status may affect athletic participation, housing, health and automobile insurance, and financial aid.

Repeat Policy

A student has the option to repeat and pass a course previously failed in order to gain credit hours toward graduation. The student will receive the quality points for the new grade, and the original failing grade will no longer be used in the calculation of the grade point average. If a student repeats a course previously passed, they will not gain any new hours toward graduation. The higher of the two grades will be used in the calculation of the grade point average. All grades will remain on the student's transcript. Transcripts will be marked indicating the repeated courses. There is no limit to the number of times a course may be repeated.

Minimum Scholastic Requirements

1. While a student planning to graduate in four years should average 32 semester hours per year from courses taken during the fall and spring semesters, January Term, or summer school, there may be circumstances under which it may be necessary for a student to take fewer than this number of hours in one academic year. However, action may be taken regarding athletic eligibility, financial aid, and college housing because of underloads (fewer than 12 credit hours in a semester).
2. A student whose cumulative grade point average in courses taken at McDaniel College drops below 2.00 will receive a letter from the Office of Academic Affairs informing the student of deficiency status. This letter may contain certain requirements such as regular meetings with an Academic Dean or a required improvement in cumulative grade point average in order for the student to continue at the College.
3. A student whose grade point average in courses taken at the College falls below the limits listed in the following table may be dismissed from the College. (see chart below).

<i>College Enrollment in Semesters</i>	<i>Minimum Grade Point Average</i>
1	0.67
2	1.30
3	1.40
4	1.50
5	1.60
6	1.70
7 or more	1.80

Successful completion of a course requires a letter grade of A+ through D- or CR for a non-letter-graded course. Students not making satisfactory progress will have their records reviewed by the Admissions, Retention, and Standards Committee.

Satisfactory Progress Standards (Academic) for Financial Aid

To remain eligible for financial aid, a student must successfully complete at least 75 percent of credit hours attempted, earn the required total credits, and maintain the required GPA for the semesters listed below:

<i>Number of Semesters</i>	<i>GPA</i>	<i>Credits Earned</i>
1	1.00	12
2	1.50	24
3	1.60	36
4	1.70	48
5	1.80	60
6	1.90	72
7	1.95	84
8	2.00	96

Withdrawal

A student may withdraw from a course and receive a grade of “W” before the deadline specified for that term in the undergraduate catalog, *Schedule of Classes*, and *Student Handbook*. This course is not counted in calculating the student’s GPA. After the stated date, exceptions to this rule may be permitted only by an Academic Dean and only in cases of genuine emergency, such as protracted illness late in the semester. In such cases, a grade of “W” may be permitted provided the student’s work was satisfactory (“C-” or better) at the time of withdrawal.

Students who desire to withdraw from McDaniel College during the academic year must initiate the process with an Academic Dean in the Office of Academic Affairs. The student withdrawing will receive grades of “W” in each enrolled course provided the withdrawal is between the dates specified in the Academic Calendar. In the event of withdrawal from the College after the date specified, a student will receive a grade of “WP” (withdrawn passing for grades of “D-” or better) or “WF” (withdrawn failing for grades of “F”).

Grade Reports

All students and their academic advisors are provided via the Archway with grade reports at mid-semester and at the end of each semester.

The Admissions, Retention, and Standards Committee reviews students’ academic records each semester. Students may be dismissed from the College when their academic records are so low as to justify such action.

Educational Records

Educational records are those records, files, documents, and other material directly related to a student and maintained by McDaniel College or any of its agents. The College assumes an implicit and justifiable trust as custodian of these records. Access to and release of student records are determined by College policy, which complies with Public Law 93-380 (the Family Educational Rights and Privacy Act of 1974, often referred to as the Buckley Amendment). Copies of the College Policy on Release of Information About Students and of the U.S. Department of Education regulations implementing Public Law 93-380 are available in the Registrar’s Office. Students receive notification of the rights accorded them under the above documents at the beginning of each academic year. A more complete description of these policies appears in the *Student Handbook*.

Retention of Records

Transcript records are permanently held by the Registrar's Office. Documentation pertaining to the registration for each semester is held only for a period of one year. If any questions should arise regarding documentation of enrollment more than one year beyond registration for a course, it will be the student's responsibility to produce proper documentation to support any claim for a change to their record.

Degrees and Requirements

McDaniel College offers the undergraduate degree of Bachelor of Arts, which is generally earned in four years. The College also offers two graduate degrees: the Master of Liberal Arts and the Master of Science.

Requirements for the Bachelor of Arts Degree

Students must meet the following requirements to graduate from McDaniel College with a Bachelor of Arts degree:

1. Completion of at least 128 credit hours. The 128 credit hours are distributed among the requirements for Integrated Study in the Liberal Arts, the Major, at least one January Term course, and electives. Students may not count more than 52 semester hours in any one subject area toward the required 128 semester hours. Any additional hours taken for credit will be added to the 128 hours needed for graduation.
2. Completion of the requirements of The McDaniel Plan for Integrated Study in the Liberal Arts, including requirements for January Term and Physical Activity and Wellness. Except for requirements in January Term and Physical Activity and Wellness, students may not carry courses that meet Integrated Study requirements under the Credit-Fail option.
3. Completion of at least one of the academic majors, including the Capstone Experience, offered by the College with an overall 2.00 GPA in the major. Students must have a 2.00 or better average in all courses required for the major, including supplementary courses outside the department or program of the major. The major GPA for double and dual majors is calculated separately for each department. To complete a double or dual major, students must have at least a 2.00 GPA in each subject area and supplementary courses.
4. A cumulative grade point average of 2.00 ("C") or above in all work taken at the College.
5. Completion of the last 32 hours, not including the semester in education, in residence at the College. Normally, a student who has been in residence two years or more will be permitted to take as many as eight of the last 32 hours off campus. If these are required for a major or a minor, the department or program head must approve as well. Courses taken at the Budapest campus, in affiliated study abroad programs, the U.N. Semester, the Washington Semester, and other approved programs count as courses taken in residence. Students with questions should contact the Registrar's Office.

Transfer students and others seeking advanced placement should consult with their academic advisor and the Registrar's Office to determine applicable requirements.

Certain of the requirements in Integrated Study in the Liberal Arts may be satisfied or reduced by scores on Advanced Placement (AP), or College Level Examination Program (CLEP) tests, International Baccalaureate (IB) work, on "Higher" level exams. These results will be determined on an individual basis by the Registrar's Office and will be made known to the student and their advisor.

The College reserves the right to change any provision or requirement at any time within a student's period of residence. If a change is made, students have the option of following the requirements in the catalog in effect when a student first matriculated at the College.

Academic Program: The McDaniel Plan

The McDaniel Plan provides a liberal education that combines a comprehensive program of general education and a rigorous program in the major, complemented by electives and a range of special opportunities. The requirements of The McDaniel Plan will apply to all first-year students who enroll in the College in 2007-2008. Upperclass students, both continuing and transfer, are referred to the *2006-2007 Undergraduate Catalog*.

Many courses may be counted in fulfillment of more than one requirement. Please consult the listing of courses by department and the designations after each course.

I. INTEGRATED STUDY IN THE LIBERAL ARTS

A. First Year Seminar. First Year Seminars are innovative topical and thematic courses on a range of subjects suitable for first-year students that provide an introduction to the liberal arts and an academic transition to college. They seek to excite students intellectually and engage them as scholars. In addition to offering a rigorous academic content, First Year Seminars focus on fundamental skills that are necessary for academic success: critical thinking, effective writing, analytic reading, and oral communication.

Additionally, courses engage students as members of the McDaniel community by providing an introduction to important dimensions of the College: the nature of the liberal arts and sciences, The First Principles, the Honor System, academic expectations, information literacy, study skills and time management, cultural and co-curricular opportunities, and choosing a major.

Seminars are limited to 15 students, and Seminar instructors serve as students' first academic advisors. All first-year students must enroll in a First Year Seminar in the fall semester. For a list of First Year Seminars offered in 2007, see Academic Departments and Programs of Instruction.

B. Introduction to College Writing. All first-year students will be given introductory instruction in writing through course work offered by the English Department. As determined by the online placement examination, students will be placed in either ENG 1002: College Composition or ENG 1101: The Argument. Students must complete ENG 1101 with a grade of "C" or higher. If a student does not earn a grade of "C," he or she must take the course again by the end of the sophomore year and earn a grade of "C" or better.

Incoming students who have earned scores of 700 or higher on the SAT verbal test or SAT II in English will satisfy the first-year writing requirement. Students who have earned a score of 4 or 5 on the AP Language test or a score of 5 on the AP Literature test satisfy the first-year writing requirement and will receive 8 additional credits. No additional credit will be awarded for SAT scores.

C. Sophomore Interdisciplinary Studies. Courses offered in the Sophomore Interdisciplinary Studies Program examine an issue, topic or question from an interdisciplinary perspective. In addition to offering an enlarged perspective on the subject, these courses introduce students to the relationships between disciplines: their similarities and differences in content and methods, and the ways in which different disciplines inform and define one another.

All courses in the Sophomore Interdisciplinary Studies Program are taught collaboratively by faculty from at least two different disciplines, and enrollment in each section will normally be limited to 20 students.

NOTE: Students in the entering class of 2007 are strongly encouraged, though not required, to enroll in a Sophomore Interdisciplinary Studies course. Many courses count toward requirements in Integrated Study, a major or minor.

D. Global Citizenship. A McDaniel education is multicultural and international in scope. Students must develop an understanding of the world within and beyond the United States to develop into critical, sensitive, respectful, and compassionate global citizens. To fulfill the Global

Citizenship requirement, students must take one course with a multicultural focus, and two courses with an international or cross-cultural focus.

1. *Global Citizenship: Multicultural.* Multicultural education will give students an understanding of the cultural pluralism of American society. Multicultural courses focus on the cultures and experiences of diverse groups in the United States that have been historically subordinated or marginalized and defined by such categories as race, gender, sexuality, class, religion, and disability. Students must complete one course with a multicultural focus.
2. *Global Citizenship: International.* International education is a critical component of global education. Students must understand, from contemporary and historical perspectives, their place in the global community and be prepared to navigate ever faster and more complex patterns of social and institutional interaction. International courses examine the perspectives and customs of cultures outside the U.S. or the relationship between the U.S. and foreign cultures. Students must complete two courses with an international focus. One of these courses must be nonwestern—that is, it must examine the cultures of Asia, Africa, the indigenous Americas, or the Pacific Rim, either exclusively or in explicit comparison with other regions. One of the two courses may be fulfilled by successful completion of an approved program of study abroad.

E. Second Language. The study of other languages introduces important avenues of communication and promotes linguistic, cultural, historical, and international understanding. Second language skills are an important and often necessary prerequisite for graduate study and provide an advantage for careers in many fields. McDaniel students must demonstrate proficiency in a second language by one of the following:

- placing above the third semester of college-level language instruction through an examination administered by the Department of Foreign Languages or the ASL/Deaf Studies Program
- completing a 2000-level language course
- completing an approved program of second language in a study abroad program

Students who fulfill their language requirement by completing a 2000-level course in ASL must fulfill their Global Citizenship requirement with three International courses instead of two International courses and one Multicultural course.

Students whose native language is not English are exempt from this requirement.

F. Junior Writing Experience. Students will further develop their abilities in writing through the Junior Writing Experience. Each department or major program at the College provides a course or courses or a strategy to develop writing skills appropriate for its majors. Normally, this course or strategy will be offered within a student's major department or program in the junior year. Students must complete the Junior Writing Experience as indicated in their declared major. In some cases, the Junior Writing Experience is incorporated into the course requirements for the major; in other cases, it is in addition to the requirements for the major. For further information, see the listings for the individual departments and programs or consult with the chair.

G. Critical Inquiries in the Liberal Arts. Critical Inquiry courses explore vital areas of knowledge in ways that stretch students' abilities to inquire and imagine. They focus on key practices and methodologies that are central to the academic search for knowledge and are designed to advance the capacity for clear, critical, and creative thinking and communication across the breadth of the liberal arts. The areas of knowledge covered by these categories are important for the development of thoughtful, informed, and imaginative citizens. Students must take a total of seven courses in Critical Inquiries. Although some courses may count toward several different categories, a given course may be used in fulfillment of only one category.

1. *Scientific Inquiry and Quantitative Reasoning.* Scientific Inquiry and Quantitative Reasoning courses explore various areas of scientific knowledge and quantitative analysis. Scientific Inquiry courses teach students how scientists ask particular questions and the methods by which they

attempt to answer these questions. Quantitative Reasoning courses teach students how to think logically and how to analyze problems. They provide students with the ability to read and use quantitative data, interpret quantitative evidence, and apply basic quantitative skills to problem solving. Students must take three classes in Scientific Inquiry and Quantitative Reasoning: these three must include one course in Quantitative Reasoning and one Scientific Inquiry course that includes an approved laboratory component.

2. *Social, Cultural, and Historical Understanding.* Courses in Social, Cultural, and Historical Understanding explore the richness of human experience. These courses examine the myriad dimensions of human experience and achievement—ethical, historical, political, psychological, religious, and social—and teach students the methods of research and theoretical analysis necessary for the study of individuals, societies, or cultures. Students must take two courses in Social, Cultural, and Historical Understanding.
3. *Textual Analysis and Creative Expression.* Human creativity may be defined by and explored from a broad range of disciplinary perspectives—the humanities, sciences, and the fine arts. Creativity usually results in new insights, understanding or aesthetic appreciation. Courses in this category require students to examine creativity from different perspectives. Textual Analysis courses focus on the interpretation of written texts. They provide students with extensive practice in the art of reading and close analysis of sophisticated writing. Creative Expression courses focus on the interpretation of creative texts or products, or on the reflective participation in the creative process itself. Students must take one course in Textual Analysis and one course in Creative Expression.

January Term

January Term is a three-week term between the fall and spring semesters in which students and faculty explore new areas and expand their intellectual horizons. Students choose from specially designed courses offered on and off campus. Some students take advantage of January Term for independent off-campus study or join one of the popular study tours abroad.

All students must complete one two-credit January Term course. For a fuller description of Jan Term, see below under Electives and Special Opportunities. For a list of Jan Term courses offered in 2008, see Academic Departments and Programs of Instruction.

Physical Activity and Wellness

Each student at McDaniel College must demonstrate an acceptable level of knowledge and competence in four courses or activities that are intended to develop physical fitness and/or promote informed and positive attitudes and behaviors that lead to lifetime wellness. Students may satisfy all or part of this requirement through certification, by departmentally administered competence tests, or by participation in one or more teams in the intercollegiate athletic program. Students will be encouraged to complete at least one course or to participate in at least one activity during each of their years at the college. A credit/fail option is available for all Physical Activity courses that are not taken as a requirement for a specific program.

II. THE MAJOR

All students must complete a major. Each major offers a basic program, involving up to 50 credit hours of required course work within the discipline and sometimes from supplementary disciplines. No more than 52 credit hours in any one subject may be counted toward the 128 hours required for graduation. A student must have a 2.00 or better average (on a 4.30 scale) in courses required for the major. In addition to the basic major, many departments offer additional programs that involve particular courses to help students focus on or achieve specific goals.

Majors are currently offered in:

Art	German
Art History	History
Biochemistry	Mathematics
Biology	Music
Business Administration	Philosophy
Chemistry	Physics
Communication	Political Science and International Studies
Computer Science	Psychology
Economics	Religious Studies
English	Social Work
Environmental Policy and Science	Sociology
Exercise Science and Physical Education	Spanish
French	Theatre Arts

A double major, which requires the completion of all requirements in two separate majors, is allowed.

Students may not register in the fall of their junior year for spring semester classes until they have submitted a declaration of major and major advisor form to the Registrar's Office. This requirement does not prevent students from changing majors at a later time.

III. ELECTIVES AND SPECIAL OPPORTUNITIES

Electives

In addition to completing McDaniel Plan required courses for Integrated Study and the Major, students are encouraged to take electives courses in departments across the College. Electives should be selected with care and imagination in consultation with the academic advisor to provide valuable perspectives, information, and skills.

Dual Majors

Many departments offer students the option of combining work from two or more disciplines to achieve a program with a broader perspective. Usually a dual major requires more semester hours than a basic major in a single department. For dual majors, the student will be required to have a 2.00 GPA for all courses required by each separate discipline.

Dual majors are currently offered in:

- Art – Communication
- Biology – Mathematics
- Business Administration – Business German
- Business Administration – Economics
- Chemistry – Exercise Science and Physical Education (Exercise Chemistry)
- Communication – English
- Communication – Foreign Language
- Communication – Sociology
- Communication – Theatre Arts
- Computer Science – Mathematics
- Economics – Business German
- Economics – Foreign Language
- Economics – Mathematics
- Economics – Political Science
- English – History
- English – Political Science
- English – Theatre Arts

Foreign Language – History
Foreign Language – Political Science
Foreign Language – Sociology
History – Political Science
Mathematics – Physics
Music – Theatre Arts
Philosophy – Religious Studies
Political Science – Social Work
Psychology – Sociology

Requirements for approved dual major programs are listed on page ???.

Student-Designed Major and Minor

The option of a student-designed major/minor is available to students whose academic interests and goals cannot be served by existing programs. Such a major/minor, designed by the student to meet particular goals, must be comparable in size and expectation to the conventional major/minor. Particularly, it must be cohesive, integrated, and possess significant breadth and depth.

The initial proposal for a student-designed major/minor should be submitted to the Curriculum Committee by the end of the sophomore year. This proposal must include a reason for the proposal and evidence that a standard major/minor will not satisfy the student's goals. The complete program should be presented (including specific courses to be included in the program and specific areas from which choices must be made). A student-designed major program of studies must include a Capstone Experience. For examples of Capstone Experiences, see the various major/specialization programs of the various disciplines listed in this catalog.

To submit a proposal, students must obtain an advisor willing to oversee the entire program. This program advisor may or may not be the student's regular faculty advisor, though in any case the regular advisor can obtain the required forms and help in the early stages of program planning. The program advisor will assist in preparing the final form of the proposal.

The student and program advisor are encouraged to consult with the Curriculum Committee during the planning stages of the major/minor in order to avoid problems later. Proposals should be acceptable if the student and program advisor plan thoroughly.

Approved Student-Designed Majors have included such titles as Art in Deaf Culture; Bio-Cultural Anthropology; Classical Civilizations; Criminal Psychology; Medical and Biological Illustration; Public Relations and the Performing Arts; Sports Journalism; Theatre Arts Management; and Women's Studies.

Appropriate forms are available at the Registrar's Office.

Minor Programs

Many students have strong secondary interests and elect one or more minor programs in addition to their primary commitment to a major program. This option not only gives students a format for exploring secondary areas, it also gives recognition on a student's transcript that the student has completed a significant amount of study in an area outside the declared major.

Most departments offer minors, various departments cooperate to sponsor interdisciplinary minors, and some offer vocational or career minors.

Minors are currently offered in:

Accounting	History
Acting	Human Resources Development
African-American Studies	International Studies
American History	Jazz Studies
Art History	Journalism
ASL and Deaf Studies	Latin
Athletic Training	Mathematics
Biology	Music
Business Administration	Outdoor Education
Chemistry	Philosophy
Classical Civilizations	Physics
Communication	Political Science
Comparative Literature	Psychology
Computer Science	Religious Studies
Cross Cultural Studies	Secondary Education
Economics	Sociology
Elementary Education	Spanish
English/American Literature	Sport Science
Environmental Policy and Science	Sports Coaching
European History	Sports Journalism
Film and Video Studies	Sports Management
Forensic Science	Studio Art
French	Theatre Arts
German	Women's Studies
Gerontology	Writing

January Term

The January Term, an important part of the McDaniel College curriculum since 1969, provides students and faculty with a unique educational experience. Breadth and depth, while vital components of a liberal arts education, should not constitute the only objectives of students or faculty in their common pursuit of learning. January Term is designed to provide a third dimension in this pursuit, intensity. January Term is a period of concentrated study beyond the range of more usual course experiences and a cooperative venture in which faculty and students explore new areas and expand their intellectual horizons. It is a time to cultivate special interests in depth, for creative work, experimentation, and interdisciplinary dialogue. It is a time to explore art galleries, museums, and libraries in the area, to engage in special projects, for travel and study abroad, for study and reflection. For some students, it is an opportunity to pursue independently projects or areas of study of special interest; for others, to enroll in a course for which they have no previous background in the field; for still others, to explore an area of interest unrelated to their regular academic programs. Flexibility and experimentation, the special features of the January Term, supplement and enrich the pattern of course work in the two regular semesters.

January Term courses are listed below under Academic Departments and Programs of Instruction and available online at www.mcdaniel.edu/janterm. Registration usually takes place during the third week of September.

Independent Studies

Independent studies provide students with the opportunity for individual study under the direction of a faculty member. The study, agreed upon by the sponsoring faculty member and the student, should be an experience not available within the regular college offerings. To enroll for an independent study, students complete a form available in the Registrar's Office. Individual departments or programs may formulate additional policies for independent studies; they may also have additional guidelines on independent studies for candidates for departmental honors.

Internships

McDaniel College conducts an active program of student internships through cooperative programs with government, business, industry, institutions, and individuals. Internships are generally arranged directly through the academic departments or programs of the College, and each internship must be sponsored by a member of the faculty. To enroll for an internship, students complete a form available in the Registrar's Office. No more than twelve credit hours of internships may be counted toward the 128 credit hours required for graduation. Internships are graded credit-fail only. Many study abroad programs also provide internship opportunities in a range of areas and settings.

Study Abroad

Contact: Rose Falkner, Director of International and Off-Campus Study

Study abroad offers students the opportunity to live and study in a new cultural setting and to pursue academic work that complements their academic program. It prepares students to live in a global society and appreciate different perspectives, values, and ways of life. The International Programs Office (IPO) advises students interested in off-campus study and serves as a resource center for information about overseas study abroad programs in general.

Students may study abroad for a semester or full year, and during the summer or January Term. Many options are available for study in Africa and Asia, Australia and New Zealand, Europe and the Middle East, Latin America and the Caribbean. The College has its own branch campus and national study abroad center in Hungary, McDaniel College Budapest (see below). The College also has a student exchange program with the Facultés Universitaires Saint Louis in Brussels, Belgium, which enables students at one institution to engage in a semester of study at the other. The program offers a range of courses in French and English with particular strengths in the social sciences.

Overseas programs are available through McDaniel's affiliation with various foreign universities and institutions including the American Institute for Foreign Study (AIFS), Institute for the International Education of Students (IES), International Studies Abroad (ISA), School for International Training (SIT), College Year in Athens, Academic Programs Abroad (API), University of Maryland, Butler University's Institute for Study Abroad, Intercontinental Recruitment and Support Services (IRSS), Syracuse University, and Arcadia University. Each January Term a number of faculty members also take small groups of students on intensive study tours abroad.

Federal and state financial aid can be used for affiliated programs only. Institutional aid and scholarships can be applied to McDaniel College Budapest and the Brussels Exchange Program. The requirements for study abroad include sophomore, junior, or first semester senior status at the time of the program; good standing at the College; a minimum cumulative GPA of 2.00 (many programs require a higher GPA); completion of the McDaniel Study Abroad Application forms by the program deadlines; and attendance at Pre-Departure Orientation and completion of a Study Abroad Program Evaluation upon return to campus. Application forms are available at the IPO. For further information, see www.mcdaniel.edu/studyabroad.

McDaniel College Budapest

Contact: Rose Falkner, Director of International and Off-Campus Study

McDaniel College Budapest, established in 1993 and fully accredited, provides a unique study abroad experience in one of the most beautiful cities of Europe. Open to all college students, the program offers a wide range of courses appropriate to all majors and interests. Credit-bearing internship placements can be arranged. Students also travel on field trips to cities throughout Central Europe. Students may enroll for a semester or a full year and must have a minimum GPA of 2.00. The College's financial aid and scholarships can be applied to the program. Courses are taught by a distinguished international faculty. The campus is situated in a historic building in the heart of Budapest. Students live in apartments within walking distance or easy commute to campus. In addition to serving as a national study abroad center for U.S. students, McDaniel College Budapest provides a full four-year program for international students, leading to a Bachelor of Arts degree in several disciplines. All courses are taught in English. For further information on the Budapest program, visit www.mcdaniel.edu/budapest.

Pre-Professional Studies and Cooperative Programs

Students who have received early admission to graduate or professional schools may petition the College to receive the B.A. degree after the successful completion of one year of graduate or professional study. In order to be awarded the degree, the student must have completed the McDaniel Plan Requirements, have their total program approved by the major department(s), and have completed sufficient hours of course work at the College and in the graduate or professional school to equal the 128 credit hours required for the College's graduation. The Provost and the chair of the major department(s) will determine whether these requirements have been met. Having met the requirements, the student will receive their degree and may participate in graduation ceremonies.

A broad liberal arts education is an asset for students who wish to pursue a professional education, and entrance examinations and admissions requirements for many professional schools favor individuals who have benefited from an undergraduate liberal arts education. For over a century, McDaniel College has offered pre-professional education, and graduates have proceeded to study and practice the learned professions with distinction.

The College currently offers the following programs:

- | | |
|--|------------------------|
| Pre-engineering studies | Pre-museum studies |
| Pre-law studies | Teaching Certification |
| Pre-medical and health professions studies | |

Advisors and suggested curricula assist students who aspire to post-graduate professional education. Pre-professional students should discuss their goals with both their faculty advisor and the appropriate pre-professional program coordinator as early as possible.

Pre-Engineering Studies

Coordinator: Dr. Vasilis Pagonis, Physics

Students interested in becoming engineers can do so by completing three years at McDaniel College and two years at the University of Maryland at College Park or another qualified engineering school. Successful completion of this five-year program qualifies the student to receive both the Bachelor of Arts degree from McDaniel College and the Bachelor of Science degree in Engineering from the engineering school.

You may also want to consider the possible advantages of completing a standard four-year undergraduate science or mathematics major before entering an engineering school. With an additional two years of study at an engineering school, you can complete a B.S. in Engineering,

and you may be able to complete a master's degree.

NOTE: Modifications of the program can, and often must, be arranged to meet your needs and to satisfy the requirements of the engineering school at which you plan to complete the program.

THE FIVE-YEAR PROGRAM

96 semester hours at McDaniel College

Completion of the The McDaniel Plan Requirements

24 hours in at least one of the following:

Biology

Chemistry

Mathematics

Physics

Required Courses:

CHE 1101 Introductory Chemistry: Structure & Bonding

CHE 1102 Introductory Chemistry: Chemical Reactivity

CSC 1106 The Art of Programming

MAT 1117 Calculus I

MAT 1118 Calculus II

MAT 3304 Differential Equations

PHY 1101 General Physics I

PHY 1102 General Physics II

PHY 2204 Introduction to Modern Physics

PHY 2211 Mathematical Physics

PHY 2212 Intermediate Mechanics

CHE/PHY 3308 Thermodynamics & Equilibria

Recommended:

Economics

Suggested First-Semester Schedule:

Physics 1101

English Composition (based on placement)

Mathematics (based on placement)

Foreign Language

First Year Seminar

Pre-Law Studies

Coordinator: Dr. Charles Neal, Political Science and International Studies

Law schools give preference to students with high academic achievement and backgrounds of broad cultural and social education. A student may major in any department. The most useful courses are those which offer training in writing and speaking, literature, philosophy, history, economics, and political science. Both the Law School Admission Council and the Council on the Section of Legal Education and Admissions of the American Bar Association advise against taking courses on a credit/fail basis if you intend to go to law school.

Check out our Web page: http://www2.mcdaniel.edu/Poli_Sci/prelaw/prelaw.htm.

Pre-Medical and Health Professions

(Medicine, Dentistry, Optometry, Pharmacology, Physical Therapy, Podiatry, Veterinary Science)

Coordinator: Dr. Louise Paquin, Biology

Since 1874 men and women graduates of the College have gone on to practice medicine and the other health professions. In addition to the science courses required for admission to

professional schools, the College recommends a number of courses in other disciplines and an internship experience that allow the student to gain admission and to develop the knowledge and skills necessary for the study and practice of medicine and the other health professions. Professional schools expect that candidates for admission will achieve well-above-average grades in their undergraduate studies. Requirements of professional schools vary; students should seek advice from the Pre-Health Professions advisor early in their undergraduate career. The following courses are typical of those required for admission by many professional schools and should be taken in addition to courses required for a major:

CHE 1101 Introductory Chemistry I: Structure & Bonding

CHE 1102 Introductory Chemistry II: Chemical Reactivity

CHE 2217 Organic Chemistry I

CHE 2218 Organic Chemistry II

PHY 1101 General Physics I

PHY 1102 General Physics II

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

MAT 1107 College Algebra and Trigonometry

*MAT 1117 Calculus I/MAT 1107 College Algebra and Trigonometry

*Not all medical schools require a math course; students should check the individual requirements of each professional school.

Veterinary school requirements may include additional courses.

Teaching Certification

Coordinator: Dr. Margaret C. Trader, Education

McDaniel College has provided programs for teacher preparation and certification for over 100 years. The College offers minors in elementary and secondary education. Students who complete the minor in elementary education, secondary education, or P-12 art, music, or physical education are eligible for teacher certification in the State of Maryland (and more than 45 states involved in the Interstate Reciprocity Agreement). McDaniel's teacher education programs are fully approved and accredited by the Maryland State Department of Education and the National Council for Accreditation of Teacher Education. Note that course requirements for the education minor are subject to changes reflecting Maryland State Department of Education certification regulations. Students interested in the education minor must consult with the coordinator as soon as possible.

In compliance with Title II–Section 207 of the Higher Education Act, the College is required to report the percentage of students who pass teaching exams required for state teacher licensure. The 2005–2006 results for the College and overall rates for all colleges and universities in Maryland follow:

Tests of Basic Skills (Praxis I): McDaniel College, 100%; Maryland average, 99%

(College data include undergraduate, post baccalaureate and specialty programs.)

Tests of Professional Knowledge: (Praxis II): McDaniel College, 100%; Maryland average, 98%

(Scores represent students in elementary and secondary education programs.)

Tests of Content Knowledge: (Praxis II): McDaniel College, 100%; Maryland average, 99%

(Scores represent students in elementary and secondary education programs.)

Tests of Teaching Special Populations: (Praxis II): Maryland average, 95%; McDaniel College did not have enough test takers to report data.

Summary Totals of Pass Rates: McDaniel College, 100%; Maryland average, 97%

(Summary data include undergraduate, post baccalaureate, and specialty programs.)

More detailed information on Title II results is available through the Education Department, the Office of Graduate and Professional Studies, and the McDaniel College Web site, www.mcdaniel.edu.

Special Domestic Off-Campus Semester Programs

McDaniel College offers several single-semester programs designed to enable students to pursue specialized interests. The Washington Semester Program, administered by The American University, enables students to study public affairs in the nation's capital. The Gallaudet Visiting Student Program is an opportunity for students to study and/or complete the ASL and Deaf Studies minor by immersion in the language and culture of deaf people.

Students considering a special off-campus semester in the U.S. should consult with the director of the International Programs Office and their academic advisor, or appropriate program advisor, as well as the Bursar's, Financial Aid, Registrar's, and Residence Life Offices at the College.

Gallaudet Visiting Student Program

Contact: Deaf Education Office, Academic Hall

Advisor: Eddy Laird

One semester of study is available to juniors and seniors who wish to complete the requirements for the ASL and Deaf Studies minor. The one semester at Gallaudet University in Washington, D.C., provides immersion in the language and culture of deaf people. Credit earned becomes a part of your record at the College. The Practicum may be counted as part of the study. Prerequisite: A 2.5 or higher score on the ASL Proficiency Interview (ASLPI).

Washington Semester Program

Advisor: Dr. Christianna Leahy, Political Science and International Studies

To enable you to spend one term in specialized study of public affairs in the nation's capital, McDaniel College participates in the Washington Semester Program, sponsored and administered by The American University. Each semester you may study the American Government, the formulation of American foreign policy, the District of Columbia as an urban area, the administration of justice, problems of international development, and economic policy formulation, or engage in research projects, seminars, internships, and other formal courses at The American University.

Common Ground on the Hill

Executive Director: Walt Michael, Artist in Residence

Common Ground on the Hill is a traditional music and arts organization whose purpose is to offer a quality learning experience with master musicians, artists, writers, and crafts people while exploring cultural diversity in search of "common ground" among ethnic, gender, age, and racial groups. Two weeks of classes and workshops are offered each summer and events are sponsored during the academic year. Peaceful solutions to social and individual conflicts are sought through the sharing of artistic traditions. In a liberal arts context, these courses in the humanities and the arts may be taken for graduate and undergraduate credit by contacting Dr. Sherri Hughes, Dean of Graduate and Professional Studies, or Walt Michael, Artist in Residence.

Military Science

Military Science can be an integral part of a student-designed major or an elective supporting any major. The courses are designed to develop each student's leadership ability and to prepare the student for commissioning as an officer in the Active Army, Army Reserve, or Army National Guard. Courses are open to both men and women. Students will find that Military Science provides instruction and practical experience which complement any undergraduate major.

Undergraduates Enrolling in Graduate Courses

Second semester seniors at McDaniel College may apply to the Provost to enroll in a graduate course if they have a 3.20 cumulative grade point average. A maximum of two courses may be taken. These courses will count toward the student's undergraduate degree and cannot be used as credit toward a graduate degree. Two exceptions are the five-year B.A./M.S. programs in psychology or social work and counseling, or music and education. Please read more about these two programs under psychology, social work, or music.

Registration at Other Colleges

Students interested in enrolling in courses at other institutions must complete a Transfer Request form available in the Registrar's Office. Each student is responsible for having an official transcript sent from the other institution for posting to their permanent record. Please note transfer credits do not affect the student's grade point average at McDaniel College. Up to 96 credit hours in transfer from four-year institutions and up to 64 credit hours from two-year institutions will be accepted.

Continuing Education

McDaniel College welcomes the growing number of students who are choosing either to begin or to continue their college studies at a point later in their lives.

For information, please contact the Office of Academic Affairs and see also under Admissions on Nontraditional Students.

Second Bachelor's Degrees

The second bachelor's degree program at McDaniel College is designed to meet the needs of students who have completed an undergraduate degree in one field and wish to become proficient in another.

Students may elect any major offered at the College and must meet all academic requirements for that major. It is recommended that students consult with the department chair about requirements and course schedules. (A minimum of 32 credit hours beyond the first degree must be taken at the College; if the new major requires more than 32 credit hours, the additional credit hours must be taken before the degree is awarded.) A second degree requires a minimum grade point average of 2.00 in all work attempted at the College. The McDaniel Plan Requirements are assumed to be met, and 96 credit hours are automatically transferred from the original degree program. In some programs with prerequisites and/or requirements outside the student's discipline, it may take more than one academic year to complete the program. In order to qualify for General Honors at graduation, students must complete a minimum of 64 credit hours at McDaniel beyond the first degree. Tuition is reduced to the graduate rate per credit hour.

Applications for the second bachelor's degree and more specific policies and procedures for the degree are available from the Office of Academic Affairs.

Academic Departments and Programs of Instruction

Academic departments and programs are generally listed in alphabetical order. All courses are listed under the department or program in which they are offered. Courses which are cross-listed will appear in more than one place.

Course Designations

Courses of instruction are designated by a system of four-digit numbers within each department. The first digit in the number indicates the class standing that a student must attain to be eligible for the course. To interpret the numbering system, students need to know that:

- Courses generally for freshmen are numbered in the series beginning 1000. Freshmen may not register for any course numbered 2000 or above, except by placement or with the permission of the instructor. Similarly, sophomores may not register for courses numbered 3000 or above, or juniors 4000 or above, with exceptions permitted only by the instructor.
- Cross-listed courses are courses appropriate to more than one department or area.
- The number of credit hours per course is indicated below the course title. Courses which may be taken for variable credit (applied music lessons, independent studies, internships, etc.) or which can be repeated for credit are so indicated.
- Courses which fulfill particular The McDaniel Plan Requirements have the category(ies) listed.
- Prerequisites for each course are so indicated following the description.
- Special Topics, Internships, and Independent Studies courses are listed with numbers separated by semicolons. These courses may be taken in any order.
- The (FR) designation after a number indicates that the course is offered only as a first-year seminar.

FIRST YEAR SEMINAR

First Year Seminar is a student's introduction to McDaniel College and the liberal arts. Offering unique experiences and topics, First Year Seminars are offered from nearly all disciplines and departments represented at the College. First-year students are encouraged to use First Year Seminar as a time to explore the many and varied disciplines in the liberal arts. Apart from the specific topic or theme, each of these courses will provide excellent opportunities for growth in critical thinking, analytic reading, writing, and oral communication, all of which are skills students will need to succeed in their college experience. The instructor for each course also serves as the student's academic advisor.

- FYS 1102 Critical Thinking
- FYS 1104 Introduction to Sociology: A Global Perspective
- FYS 1105 Philosophy Around the World
- FYS 1106 SHEEP: Biology, Arts, and Literature
- FYS 1107 Let's Study the Science of Success
- FYS 1108 From Chaos to Compromise: Important Moments in History
- FYS 1110 Recursion in Algorithms
- FYS 1111 Learning in a Diverse Society
- FYS 1113 Acting
- FYS 1114 Technology in Education
- FYS 1115 A World of Light and Color
- FYS 1117 Design
- FYS 1118 Enterprise and Finance
- FYS 1119 Group Process in Interactive Theatre
- FYS 1120 Kitchen Chemistry
- FYS 1122 Human Services in the Twenty-first Century
- FYS 1123 Comic Strips and the Communication of Culture
- FYS 1124 Human Behavior and the Social Environment
- FYS 1125 Mexico: Guide to Culture and Current Events

FYS 1130 Education and Life Experiences of Deaf People
 FYS 1148 Music and Words: A Quest for Expression and Meaning
 FYS 1149 Gender, Literature, Culture
 FYS 1151 Drugs and the Mind
 FYS 1153 The Transition to Adulthood
 FYS 1154 Romans in History and Film
 FYS 1155 The Ghost Story in Fiction and Film
 FYS 1156 Africa from Books to Film
 FYS 1159 Horror in Fiction and Film
 FYS 1160 Journalism in the Twenty-first Century
 FYS 1161 Rites of Passage: Global Perspective
 FYS 1180 Understanding China
 FYS 1211 History of Philosophy of Sport

AFRICAN-AMERICAN STUDIES

No major is offered in this field.

AFRICAN-AMERICAN STUDIES MINOR (20 HRS.)

No more than 8 credits can come from the same department.

Required Courses

One course from:

SOC 3429 Race and Ethnic Relations in the United States
 PSI 3312 The Politics of African Diaspora

One course from:

ENG 2258 African-American Literature
 HIS 3328 African-American History

One course from:

MUL 2231 The Heritage of African-American Music I
 MUL 2232 The Heritage of African-American Music II

Students may take one of these music courses to be applied toward the minor, or both courses to fulfill requirements toward the minor and a heritage sequence.

Appropriate special topic courses may be substituted with approval from the coordinator.

Electives (two courses from below—any of the options not chosen as a required course may be taken as an elective)

ENG 2258 African-American Literature
 ENG 2253 Southern Literature
 HIS 3328 African-American History
 MUL 2210 History of Jazz
 MUL/REL 2235 History of Gospel Music
 MUL 2231 Music of Africa and the Diaspora
 MUL 2232 African-American Music and Community
 PSI 2217 Contemporary African Politics
 PSI 3312 The Politics of African Diaspora
 PSI 3315 The Politics of Ethnicity and Nationalism
 REL/SOC 3328 Social Inequality and Justice
 REL 2212 Martin and Malcolm
 SOC 3429 Race and Ethnic Relations in the United States

Other appropriate special topics courses may be substituted with the approval from the coordinator.

Contact: Dr. R. Harlow, Sociology

ART AND ART HISTORY

Professor Bloom (Department Chair); Associate Professors Losch, McKay, and Scott; Assistant Professor Pearson; Lecturers Van Hart and Mychajlyshyn; Adjunct Lecturer Hankins.

Areas of particular teaching interest:
 Professor Bloom: photography, digital photography, computer graphics, digital collage and painting; Professor Pearson: drawing and painting, color theory, printmaking; Professor Losch: Native American, American, Islamic, African art, Twentieth-Century art; Professor McKay: Byzantine and Early Christian art, Medieval art, Nineteenth-Century art; Professor Scott: Chinese art, Japanese art, Italian Renaissance and Baroque art and architecture; Lecturer Van Hart: jewelry, drawing, design, portfolio preparation; Lecturer Mychajlyshyn: drawing, painting, sculpture; Lecturer Hankins: Ceramics.

The Art and Art History faculty works to nurture students' understanding of the various arts and to develop their artistic and creative abilities, whether for their own intellectual growth or for success in an art career. Critical and technical skills are taught as well as an appreciation of art as an essential element in a fulfilling life as a vehicle for interpreting the present and the past.

The Department offers a range of experiences, including the opportunity to view monthly shows in our own Esther Prangley Rice Gallery, where students can meet local, regional, and national artists. Art and Art History majors may also participate in special projects, including the creation of painted murals or outdoor sculpture pieces. Other opportunities include internships in Graphic Design. Field trips to galleries in Washington, D.C., Baltimore, and New York City broaden the horizons of students. Opportunities for further travel exist in January Term art tours of Europe and programs for study abroad.

The undergraduate Art and Art History program prepares students for a multitude of careers. Our graduates are now working in Graphic Design firms, attending graduate programs in Studio Art, Digital Media, Art History, and teaching in elementary and secondary schools throughout the United States. Students majoring in art may plan their programs for graduate study in studio art, graphic design, art history, or for public school teaching. Many students add art to their course of study for personal enrichment and a desire for creative satisfaction.

There are three specializations within the Art or Art History majors. These specializations are Graphic Design, Combined Studio Art and Art History, and Art Teacher Education

Please see the Education section in this catalog for teacher certification requirements in Art.

Please see the Dual Major section for the dual major with Communication.

Departmental Honors

- Completion of one of the academic specializations within the Art Department with a 3.50 GPA for Art courses and a 3.00 overall GPA at McDaniel College
- Completion of a four-credit special studies project in either Studio Art or Art History
- Submission of a written resume and statement of eligibility for departmental honors
- Recommendation by one of the faculty members in the Art Department
- All requirements should be completed by March 1st of the senior year
- See the Department Chair for more specific requirements

Basic Art Major

STUDIO ART (49 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

AHY 2240 Twentieth Century Art

Seven courses in Studio Art

8 credits – two courses in Advanced Studio I and II

ART 4492 Senior Show Preparation Capstone

Basic Art History Major

ART HISTORY (45 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Seven additional Art History courses, beyond

AHY 1113 and AHY 1114, two of these courses must be global or international in nature.

4 credits – one course in studio art

4 credits – History of Ancient and Medieval Philosophy

1 credit – AHY 4492 Capstone Seminar

It is beneficial for students wishing to pursue graduate studies in Art History to have two years of a foreign language, French or German, and a semester abroad.

Specialization I

COMBINED STUDIO ART AND ART HISTORY (41 HRS.)

ART 1101 Perceptual Drawing

ART 1117 Design

Five additional Studio Art or Art History

courses (two courses must be 3000 level or beyond; two courses in Art History and one course in either Art History or Studio Art)

AHY 1113 & 1114 History of Western Art I & II

AHY 2240 20th-Century Art

AHY 4492 Capstone Seminar, or ART 4492 Senior Show Preparation Capstone

Specialization II

GRAPHIC DESIGN (53 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Eight courses in Studio Art

Recommended courses are:

ART 1101 Drawing

ART 1117 Design I

ART 2206 Computer Graphics
 ART 2215 Photography or ART 2210 Digital
 Photography
 ART 2216 Graphic Design I
 ART 3306 Printmaking
 ART 3310 Watercolor
 ART 3318 Graphic Design II
 Two courses from:
 COM 1103 Mass Communication
 COM 1110 Public Speaking
 BUA 2209 Principles of Marketing
 ENG 2212 Professional Communication
 PSY 1106 Introduction to Psychology
 A four-hour internship
 ART 4492 Senior Show Preparation Capstone
 (1 hr.)

Specialization III

ART TEACHER EDUCATION

Please see the Education section under curriculum in this catalog for teacher certification requirements in Art.

MINOR IN STUDIO ART (20 HRS.)

Five courses in Studio Art

MINOR IN ART HISTORY (20 HRS.)

AHY 1113 & 1114 History of Western Art I & II

Three upper-level Art History courses

Studio Art Course Descriptions (ART)

1101 Perceptual Drawing

4 credits

A studio course in drawing concentrates on developing an understanding of perceptual drawing technique that emphasize proportion and spatial conventions. Compositional skills are developed, and different mediums are explored. Students develop creative problem solving skills by investigating complex still life arrangements.

Creative Expression.

1103 Drawing for Non-Art Majors

4 credits

Draw out the artist within. Confront yourself with the task of representing who you are and the world as you see it in the media of graphite, charcoal, conte, and pen and ink. Create the

best drawings of your life while appreciating some master works.
 Creative Expression.

1117 Design

4 credits

An introductory investigation of two-dimensional design principles involving the elements of art in solving visual problems. Issues of consumerism and the development of a personal portfolio in a variety of media are stressed.
 Creative Expression.

2201 Life Drawing

4 credits

Drawing from live models to learn proportion and anatomy of human head and figure. Various drawing media and techniques are emphasized.
 Recommended: Art 1101 or permission of the instructor.

2206 Computer Graphics

4 credits

A study of the fundamentals of computer graphics. Work will include paint and draw programs as well as photo manipulation.

2209 Digital Collage and Painting

4 credits

This digital technology class focuses on the making of fine art with the computer. Software used in the course will include Photoshop and Painter. Emphasis will be placed on the artistic possibilities available to the artist today.

Prerequisite: Art 2206

2210 Digital Photography

This course explores the frontiers of digital photography. Students will be photographing their assignments with their own digital camera. The course will extensively use the computer for manipulation of the images in Photoshop and printing. No prior knowledge of Photoshop is required. This course will require a digital camera.
 Creative Expression.

2211 Sculpture

4 credits

Clay modeling of the human head and figure, making of plaster molds and castings.
 Recommended: permission of the instructor.

2214 Metalsmithing/Jewelry

4 credits

An intensive study of problem solving in body adornment through historic and multicultural perspectives. Processes employed include piercing, forging, beading, fabrication, and repoussé. There is an extra fee for materials.

Priority is given to Art majors
Creative Expression.

2215 Photography

4 credits

A study of the technical processes, aesthetics, and history of photography. The course requires a 35 mm camera with manual settings, and emphasizes the production of black and white prints.

There is an extra fee for materials
Creative Expression.

2216 Graphic Design I

4 credits

A studio activity stressing the importance of the imaginative and creative talents of the artist in today's commercial art world.

Prerequisites: Art 1101 and 1117.

2219 Ceramics

4 credits

A studio course investigating the coil, slab, and wheel methods of clay construction. Firing techniques and glazing procedures are introduced.

3301 Drawing Concepts: Drawing II

4 credits

A studio course that challenges students to build on skills and experiences gained from Perceptual Drawing, through advanced problem solving and a greater critical awareness. Emphasis is placed on developing a sophisticated and convincing use of drawing language to approach traditional subject matter.

Prerequisite: Art 1101.

3306 Printmaking

4 credits

A study of the principles of printmaking, with emphasis on wood and linoleum printing, serigraphy, intaglio and, in special cases, lithography.

Prerequisites: Art 1101 and Art 1117.

3307 Web Design

4 credits

This course teaches Website creation, interface design, user experience, and workflow/project management. Students will focus on the basics of optimizing graphics for the Web and assembling and managing a Website. Emphasis is on both design and technical skills.

Prerequisites: Art 2206 or permission of the instructor.

3310 Watercolor

4 credits

Experimentation with at least ten different techniques of watercolor painting.

3313 Painting

4 credits

An introductory course in oil painting with emphasis on realistic or recognizable objects. The mixing and application of paint to the painting surface and at least five painting techniques are studied.

3317 Color in Art and Design

4 credits

A studio course that explores the impact of changing visual relationships emphasizing color concepts, with focus on pigment mixing and interaction exercises, using various color systems.

Prerequisite: Art 1117.

3318 Graphic Design II

4 credits

A studio course dealing with the technical realm of advertising graphics, illustration, and informative and promotional art. Field trips to a variety of art agencies are included.

Prerequisite: Art 2216.

4100 Advanced Studio I

4 credits

A studio experience that emphasizes the process of developing a personal and informed individualized visual language is the focus of this sequence of courses. Analysis of work through critique and familiarization with contemporary ideas is emphasized. All four sections meet at the same time (as one class), so students in Advanced Studio II (4200), Advanced Studio III (4300), and Advanced Studio IV (4400) can act as mentors to students in Advanced Studio I (4100).

4200 Advanced Studio II

4 credits

A studio experience that focuses on the process of developing a personal and informed individualized visual language is the focus of this sequence of courses. Analysis of work through critique and familiarization with contemporary ideas is emphasized. Students in Advanced Studio II should be continuing to develop ideas begun in Advanced Studio I, and the quality and level of the work is expected to be beyond that of the previous level. All four sections meet at the same time (as one class), so students in Advanced Studio II (4200), Advanced Studio III (4300), and Advanced Studio IV (4400) can act as mentors to students in Advanced Studio I (4100).

4300 Advanced Studio III

4 credits

A studio experience that focuses on the process of developing a personal and informed individualized visual language is the focus of this sequence of courses. Analysis of work through critique and familiarization with contemporary ideas is emphasized. Students in Advanced Studio III should be continuing to develop ideas begun in Advanced Studio II, and the quality and level of the work is expected to be beyond that of the previous level. All four sections meet at the same time (as one class), so students in Advanced Studio II (4200), Advanced Studio III (4300), and Advanced Studio IV (4400) can act as mentors to students in Advanced Studio I (4100).

4400 Advanced Studio IV

4 credits

A studio experience that focuses on the process of developing a personal and informed individualized visual language is the focus of this sequence of courses. Analysis of work through critique and familiarization with contemporary ideas is emphasized. Students in Advanced Studio IV should be continuing to develop ideas begun in Advanced Studio III, and the quality and level of the work is expected to be beyond that of the previous level. All four sections meet at the same time (as one class), so students in Advanced Studio II (4200), Advanced Studio III (4300), and Advanced Studio IV (4400) can act as mentors to students in Advanced Studio I (4100).

4490 Portfolio Preparation

4 credits

Designed to aid the student in the creation of a professional portfolio. Students will select, prepare, light, photograph, and scan their art work. There will be instruction on digital versions, both on-line and on CDs and DVDs.

4492 Capstone: Senior Show Preparation

1 credit

This course will prepare the students for their Senior Exhibition and for entering the venue of exhibiting their work. Students will select, sequence, and prepare their art work for the show under the careful supervision of a faculty member. Work will be matted and/or framed to exhibition quality standards. Students will also be involved with the marketing aspect of showing their work and the preparation of an artist's statement.

2265; 3365; 4465 Special Topics in Studio Art

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internship in Studio Art

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Studio Art

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

Art History Course Descriptions (AHY)

All Art History courses consist of a survey of one or more stylistic periods. Students also engage in research and creative analysis of specific works and relate their studies where possible to other disciplines. Instruction includes field trips to museums each semester.

1113 History of Western Art I

4 credits

A survey of painting, sculpture, and architecture from 15,000 B.C. to 1400 A.D. Included are Near Eastern, Egyptian, Greek, Roman, and Medieval Art.

Creative Expression.

1114 History of Western Art II

4 credits

Continuation of the survey of History of Western Art I, 1400 to present. Emphasis is placed on the Renaissance, Baroque, Romantic, and Modern periods.

Creative Expression.

2207 Archaeology of Greece

4 credits

Introduction to the history of classical archaeology and to the current theories and methods of the discipline through study of archaeological sites and material remains from the Bronze Age to the fourth century B.C.E. The course also includes examination of architecture, painting, and sculpture in their original private, civic, and religious context.

Cross-listed with History 2207.

2220 The Art of the Ancient Near East

4 credits

This course will examine the art and architecture of the ancient Near East from Turkey in the west to Iran and Central Asia in the east, and from the Caucasus region in the north to the Persian Gulf and the borders of Egypt in the south. This survey will examine the arts produced by the various cultures of this region with an emphasis placed upon the cultural and historical contexts in which these works of art were created.

International Nonwestern.

2222 Art of the Medieval World

4 credits

A study of the Early Christian, Byzantine, Romanesque, and Gothic Arts in Europe. Social, Cultural and Historical Understanding

2223 History of Japanese Art to A.D. 1573

4 credits

This course offers an in-depth study of the painting, sculpture, and architecture of Japan from Neolithic times to the Momoyama Period (1573), with special emphasis on those arts that are unique to the culture, such as the religious and secular narrative scroll and the decorative screen. Early Shinto architecture, the development of Buddhist arts, including the tea ceremony, Zen painting and garden design, temple architecture and sculpture are included. Influences on the arts from China and Korea—religious, philosophical and social—are also topics for discussion.

International Nonwestern.

2224 Japanese Art from 1573 to 1868

4 credits

This course offers an in-depth study of the painting, sculpture, and architecture of Japan from the Momoyama Period (1573) to the end of the Tokugawa Period (1868), with special emphasis on those arts that are unique to the later culture of Japan, such as ceramics, the decorative screen, and the Ukiyo-e schools of painting, out of which grew the popular wood-block prints. Buddhist arts and architecture, schools of Bunjinga (literati) painting, the role of women artists, the influence of Japanese arts on European artists of the nineteenth century, and the impact of Japanese ideas on our own culture are prominent features of this course.

International Nonwestern.

2225 Survey of American Art

4 credits

An examination of painting, sculpture, and architecture in America from Colonial times to the Second World War with an emphasis on nineteenth- and early twentieth-century painting. All works will be discussed as visual reflections of the specific cultural and historical contexts in which they were created.

Social, Cultural and Historical Understanding.

2226 History of Chinese Art to A.D. 960

4 credits

Concentrating on the arts and architecture of China from the Neolithic era to the beginning of the Song dynasty (960), this course will include the Great Bronze Age and the rise of Taoism, Confucianism, and Buddhism, with a special focus on Buddhist art and architecture. The philosophical, religious, and historical backgrounds of these movements will be emphasized.

International Nonwestern.

2227 History of Chinese Art 960-1800 A.D.

4 credits

Concentrating on the arts and architecture of China from the Song (960-1279) to the early Qing (1644-1800) dynasties, with a special focus on painting, this course will include the philosophical, religious, and historical bases for landscape painting and the Buddhist arts of sculpture and architecture.

International Nonwestern.

2302 Italian Renaissance Art

4 credits

This course examines the developments in architecture, painting, sculpture, and the minor arts of Italy between 1300 and 1600. Masters such as Brunelleschi, Raphael, Leonardo da Vinci, Michelangelo, and Titian are analyzed and compared within the historical, religious, political, sociological, and cultural context of the time period.

Social, Cultural and Historical Understanding.

2303 Italian Baroque and Rococo Art

4 credits

This course examines the developments in Italian architecture, painting, sculpture and the minor arts between 1600 and 1750. Masters such as G.L. Bernini, Caravaggio, Borromini, Guido Reni, and Pietro da Cortona are analyzed and compared within the religious, historical, political, sociological, and cultural contexts of the time.

Social, Cultural and Historical Understanding.

2239 Romanticism and Impressionism

4 credits

A study of the major artists of the nineteenth century including David, Goya, Delacroix, Courbet, Manet, Monet, Degas, Van Gogh and Gauguin. Both European and American art are included.

Social, Cultural and Historical Understanding.

2240 Twentieth-Century Art

4 credits

Painting and sculpture in Europe and America from 1900 to the present day. Emphasis is placed on emerging artistic trends.

Social, Cultural and Historical Understanding.

2241 The Arts and Architecture of the African Continent and Beyond

4 credits

A survey of the ancient and traditional arts of the African continent, including North Africa. Works will be discussed as visual reflections of the specific cultural and historical contexts in which they were created. Some consideration will also be given to the influence of these varied artistic traditions on the art and architecture of the Caribbean, America, and especially the modern European artistic traditions seen in the works of such artists as Picasso, Braque, Matisse, and others.

International Nonwestern.

Cross-listed with Cross Cultural Studies 2241.

2242 Art and Culture of Islam

4 credits

An investigation of the architecture, painting, and other arts of the Islamic world. Areas covered include the arts of Syria, Iran, Turkey, Medieval Spain, North Africa, Central Asia, and Moghul India.

International Nonwestern.

Cross-listed with Cross Cultural Studies 2242.

2250 Traditional Native American Arts and Architecture

4 credits

An examination of the unique varieties of Native American cultures and the works of art and architecture that were created from ancient times to the twentieth century. While the course examines the arts from all the Americas, emphasis will be placed on the arts of the regions now

referred to as the United States and Canada.
Multicultural
Cross-listed with Cross Cultural Studies 2250.

2300 The Art of the Renaissance in Northern Europe

4 credits

This course examines the developments in architecture, sculpture, and painting in Northern Europe during the 15th and 16th Centuries. It will examine the art of Germany, The Netherlands, Flanders, Spain and France and will examine the art of such masters as Durer, Holbein, Van Eyck, Bosch, Bruegel, and El Greco.

Social, Cultural and Historical Understanding.

2301 The Art of the Baroque in Northern Europe

4 credits

This course examines the developments in architecture, sculpture, and painting in Northern Europe during the 17th century. It will examine the art of Germany, The Netherlands, Flanders, and France and the art of such masters as Rembrandt, Vermeer, Rubens, Poussin, De la Tour, as well as the palace at Versailles.

Social, Cultural and Historical Understanding.

3305 Sacred Architecture

4 credits

A historical and systematic examination of both formal and symbolic aspects of structures built for religious purposes, along with their associated religious activities.

Cross-listed with Cross Cultural Studies 3305 and Religious Studies 3305.

4492 Seminar in Art History - Capstone Seminar

1 credit

A major research project and presentation under the supervision of art historians.

2265; 3365; 4465 Special Topics in Art History

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internship in Art History

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Art History

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

ASL/DEAF STUDIES

Assistant Professor Rust/Associate Professor Laird.

No major is offered in this field. The minor in ASL/Deaf Studies offers a variety of courses related to the language, culture, and literature of Deaf people in the United States and Canada as well as a glimpse at international perspectives in the field. This program of study includes various opportunities for immersion in the language and culture of Deaf people including an option to be a visiting student for a semester at Gallaudet University in Washington, D.C., or residing in the ASL House for a full year on campus, as well as completing a January Term internship in an ASL environment. For students wishing to pursue a career in teaching Deaf students, McDaniel College offers a nationally recognized graduate program in Deaf Education. The ASL/Deaf Studies minor provides a critical foundation for the graduate degree and includes courses that satisfy prerequisites for Deaf Education. All courses are taught in ASL. Voice interpreters are provided at coordinator's discretion.

LANGUAGE AND LINGUISTICS
Specialization

- ASL 1101 American Sign Language I
(Prerequisite)*
- ASL 1102 American Sign Language II
(Prerequisite)*
- ASL 2211 American Sign Language III
- ASL 2212 American Sign Language IV
- ASL 3338 Linguistics of American Sign Language

CULTURAL/LITERATURE
Specialization

- ASL 2230 Life Experiences of Deaf People
- ASL 3369 American Deaf Culture
- ASL 3339 ASL Literature and Deaf Literature or ASL 3370 International Perspectives on Sign Language and Deaf Culture Practicum (2 credits) (Prerequisite for practicum: a minimum score of 2.0 on the ASLPI.) Undergraduate students interested in doing a practicum, whether arranged through the Deaf Education office or on their own, must take the ASLPI (as a prerequisite to practicum) and score a minimum of 2.0 before any approval will be considered. If the practicum includes being a visiting student at Gallaudet University, then a score of 2.5 or better is needed.
- A 2.5 or higher score on the ASL Proficiency Interview (ASLPI) is required for completion of the minor.

*American Sign Language courses (ASL I-V) may be waived through the department-administered placement examination before beginning classes. Students who have taken American Sign Language courses elsewhere must take the placement examination before registering.

ASL and Deaf Studies Course Descriptions (ASL)
All ASL courses require a fee for using the ASL Lab as part of the program.

1101 American Sign Language I
4 credits

An introduction to the grammar and structure of American Sign Language (ASL) as a second language learning experience for students with no or limited knowledge of ASL. Immersion

and interpersonal communication will be emphasized. Students learn grammar in the context of communicative activities. The Signing Naturally I units 1 through 6 including additional cultural information will be covered. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. (This course is taught in ASL only.)

1102 American Sign Language II
4 credits

A continuation of American Sign Language I with the expansion of conversational language skills as the medium of communication is emphasized. The Signing Naturally I units 7 through 12 including additional cultural information will be covered. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. (This course is taught in ASL only.)
Prerequisite: American Sign Language 1101 with a grade of “B” or above.

2211 American Sign Language III
4 credits

A continuation of American Sign Language II, with strategies for conversation on topics, vocabulary, and grammar previously introduced. Portions of the Signing Naturally II series including in-depth cultural information and appropriate cultural behaviors will be covered. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. An assessment of signing skills (ASLPI) may be required. (This course is taught in ASL only.)
Prerequisite: American Sign Language 1102 with a “B” grade or above.
Second Language.

2212 American Sign Language IV
4 credits

This advanced American Sign Language course focuses on proficiency in receptive and expressive skills. The Signing Naturally II and III series, including in-depth cultural information and appropriate cultural behaviors will be used. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. An

assessment of signing skills (ASLPI) may be required. (This course is taught in ASL only.)
Prerequisite: American Sign Language 2211 with a grade of "B" or above.

2230 Educational and Life Experiences of Deaf People

4 credits

A general orientation to the life experiences of Deaf people with emphasis on their educational experiences. An overview of the historical, philosophical, and social aspects of Deaf education and the lives of Deaf people in the United States will be included. (Voice interpreters provided upon request.)

Prerequisite: American Sign Language 1101 with a grade of "B" or above.

Multicultural.

3303 American Sign Language V

4 credits

This course provides opportunities for advanced skill development emphasizing differences across various linguistic registers. Discourse analysis will be introduced and linguistic structures of ASL and English will be compared. The Signing Naturally III series will be covered. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. An assessment of signing skills (ASLPI) may be required. (This course is taught in ASL only.)

Prerequisite: American Sign Language 2212 with a grade of "B" or above.

3338 Linguistics of American Sign Language

4 credits

This course provides an analysis of the major structural features of American Sign Language phonology, morphology, syntax, semantics, and discourse.

Prerequisites: American Sign Language 3303 with a grade of "B" or above or a minimum score of 2.5 on the ALSPI, and 2230.

3339 ASL Literature and Deaf Literature

4 credits

This course offers a cultural and literary analysis of ASL and Deaf-related literature in contemporary society. This course presents a

selection of major works in text, cinema, and video. It will explore literary style and register, grammatical features, and linguistics expression in a cultural context.

Prerequisites: American Sign Language 2212 with a "B" or above or a minimum score of 2.5 on the ASLPI, and 2230.

3369 American Deaf Culture

4 credits

This course provides the student with a perspective on Deaf people who use American Sign Language and their cultural identity. The course is based on a cultural perspective as an alternative to the pathological model and explores the historical evolution of the Deaf community in terms of language, self-image, culture, and arts.

Prerequisites: American Sign Language 2212 with a "B" or above or a minimum score of 2.5 on the ASLPI, and 2230.

3370 International Perspectives on Sign Languages and Deaf Culture

4 credits

The study of diverse signed language and sociopolitical structures of Deaf communities in various countries and the impact on society. This course provides a global perspective of a linguistic and cultural minority group.

Prerequisites: American Sign Language 2212 with a "B" or above, 2230, and 3369.

International Nonwestern.

BIOCHEMISTRY

The major in Biochemistry is administered through the Department of Chemistry. For information, contact the Chair of the Department of Chemistry.

Biochemistry is the study of chemical reactions involved with living beings. Biochemical studies include DNA, proteins, hormones, and all other components of life, reproduction, and genetics. The study of biochemistry is very diverse and involves enzymes, nucleic acids, carbohydrates, sugars, proteins, and lipids, and their breakdown to provide energy.

The major in biochemistry is intended to serve the needs and interests of students who wish to concentrate their studies in the fields of biochemistry. Students majoring in

biochemistry are usually preparing for graduate or professional schools and have enjoyed very successful careers. The program is designed to be flexible, allowing the students to emphasize biology or chemistry to greater degrees depending on their interests.

Full course descriptions can be found under Biology and Chemistry headings.

Honors in Biochemistry will be awarded to graduating seniors who have earned at least a 3.50 grade point average in all courses required for the particular major, who have performed an independent laboratory research project, including a written paper and an oral presentation, and who are recommended by the Chemistry Department.

BIOCHEMISTRY (65 HRS.)

Required Courses:

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

Note: An AP Biology score of 4 or 5 may allow waiver of Biology 1112 but not of Biology 1111.

BIO 2203 Genetics

BIO 3310 Cell Biology

BIO 3309 Advanced Genetics - Human Molecular or BIO 3311 Advanced Genetics - Molecular

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

CHE 2217 Organic Chemistry I

CHE 2218 Organic Chemistry II

CHE 2210 Physical Chemistry for Life Sciences or CHE 3308 Phys. Chem. II

CHE 3321 Biochemistry I

CHE 3322 Biochemistry II

MAT 1117 Calculus I

One additional four-hour course from Biology (must include a lab)

Two additional four-hour courses from Biology and/or Chemistry

CHE 4494 Biochemistry Seminar (Capstone Experience)

Recommended for Graduate Study in Biochemistry:

MAT 1118 Calculus II

PHY 1101 & 1102 General Physics I & II

CHE 2201 Electronic Literature Search in Chemistry (1 hr.)

CHE 3307 Physical Chemistry I and/or CHE 2219 Quantitative Analysis

Required Additional Courses for Pre-Medical, Pre-Dental:

PHY 1101 & 1102 General Physics I & II

Suggested First-Year Schedule:

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

BIO 1111 & 1112 Principles of Biology I & II
Mathematics, according to placement
English Composition, according to placement
First Year Seminar

BIOLOGY

Professors Brown, Iglich, Long (Department Chair), and Paquin; Associate Professors Morrison and Mitschler; Assistant Professors Harrison, Parrish and Szulgit.

Areas of particular teaching interest:

Professor Brown: microbiology; Professor Paquin: genetics (human and molecular), cytogenetics, bioethics; Professor Iglich: ecology, evolution, botany; Professor Long: developmental biology, anatomy, evolution; Professor Mitschler: parasitology, immunology; Professor Morrison: cell biology, vertebrate diversity; Professor Harrison: environmental geology; Professor Parrish: molecular biology of the gene; Professor Szulgit: comparative physiology of invertebrates, marine biology.

The Biology Department offers a major that provides the essential background for students who wish to pursue graduate or professional studies and those who wish to find careers in biological research, as well as those who wish to gain certification for secondary school (middle/high school) teaching. From its founding, the College and the Biology Department have prepared men and women to enter medical school and graduate programs in the life sciences.

Biology offers courses to prepare students for a variety of careers. Faculty advisors recommend additional courses for particular careers. These include, but are not limited to, allied

health fields, environmental biology, graduate study, and teacher certification.

The faculty of the Biology Department believes that students must work both in and beyond the classroom in order to develop a personal perspective of biological knowledge. The faculty understands its role to be that of teachers, mentors, and friends who guide students to knowledge and help them comprehend it.

Many Biology students find employment and enjoy successful careers with a bachelor's degree. They enter a variety of fields such as genetics, marine science, cancer research, environmental analysis, or work as laboratory research associates.

Students may prepare themselves to pursue a career in research which could lead to post-graduate training at the master's or doctoral level. Our undergraduate course offerings cover the basic requirements for most graduate programs. Students should be aware that many doctoral programs require calculus (MAT 1117), two semesters of organic chemistry (CHE 2217, 2218), and two semesters of physics (PHY 1101, 1102) in addition to the courses required by the Department. Specific requirements should be discussed with the student's faculty advisor.

Students may decide to pursue a career in such health science fields as medicine, dentistry, optometry, physical therapy, pharmacy, or veterinary medicine. Our curriculum, coupled with pre-professional advising, enables students to meet the course requirements for these programs. Students interested in health careers should consult Dr. Louise Paquin for specific advice early in their undergraduate studies.

Students interested in environmental studies may follow our environmental biology specialization within the department, or they may choose to major in Environmental Policy and Science. Students should consult Dr. Kevin Harrison for specific advice.

Students may elect to minor in elementary or secondary education for teacher certification. Biology students interested in a career in education should consult: 1) the Education Department section in this Catalog; 2) Drs. Orza (Education) and Paquin (Biology); and 3) the listing of required courses shown in the Education section under Teacher Certification.

Biology majors with interests in academic areas outside the sciences are encouraged by the Biology Department to develop these talents. Our students have graduated with double majors in Art (medical illustration, graphic design), Business and Economics, English (journalism), History, Foreign Languages (French, Spanish), Physical Education (sports medicine, physical education trainer), and Philosophy. Students have also graduated with Biochemistry or Math dual majors.

Other Educational Options in Biology:
Through an added system of advising, internships, and suggested ancillary courses in a pre-professional curriculum for the health sciences, the Biology Department assists those who wish to enter professional schools (in medicine, dentistry, veterinary science, optometry, nursing, etc.).

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Biology.

Please see the Dual Major section for other options in Biology.

Honors in Biology

Honors in Biology will be awarded to graduating seniors who have earned at least a 3.50 grade point average in all courses taken in the major and who are recommended by the Department.

Departmental recommendation is based on evaluation of a paper describing a laboratory or field research project done by the student and a poster presentation. Students may pick up guidelines in the Department Office.

BASIC MAJOR (48 HRS.)

Required:

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

Biology 1111, 1112 are prerequisites for all 2000- and 3000-level biology courses.

(Students must place above MAT 1002 for all 2000- and 3000-level courses.)

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

CHE 2217 Organic Chemistry I

Seven additional courses (28 hrs.) selected from

the groups shown below. The selections must be made according to the following guidelines:

1. One four-credit course must be selected from each of the four groups below;
2. The remaining three courses, i.e. those not accounted for in guideline 1, must be selected from at least two of the groups;
3. At least five of the courses must be laboratory courses (* denotes a laboratory course).

All seniors, including all dual majors, will participate in the research poster presentation, which will serve as their Capstone Experience. (BIO 4492)

Group 1

Cell and Molecular Biology

BIO 2203 Genetics*

BIO 2265 Molecular Biology*

BIO 3310 Cell Biology*

BIO 3301 Immunology*

BIO 3311 Advanced Genetics - Molecular

Group 2

Organismal Biology

BIO 2206 Epidemiology

BIO 2225 Endocrinology

BIO 3309 Advanced Genetics - Human

BIO 3316 Animal Physiology*

BIO 3320 Neurobiology

BIO 3323 Developmental Biology*

BIO 3324 Comparative Anatomy*

Group 3

Diversity

BIO 2201 Vertebrate Diversity*

BIO 2204 Botany*

BIO 2205 Invertebrate Zoology*

BIO 2218 Parasitology*

BIO 3307 Microbiology*

Group 4

Population-Ecosystem Biology

BIO 2209 Environmental Health

BIO 2217 Ecology*

BIO 2234 Marine Biology*

BIO 3321 Evolution

Special topics courses will be assigned to particular groups.

Strongly Recommended Courses:

CHE 2218 Organic Chemistry II

CSC 1106 The Art of Programming

MAT 1117 Calculus I

MAT 1118 Calculus II

PHY 1101 General Physics I

PHY 1102 General Physics II

STA 2215 Elem. Statistics for Social Science

STA 2216 Statistical Methods

Suggested First-Year Schedule:

BIO 1111 & 1112 Principles of Biology I & II

CHE 1101 & 1102 General Chemistry I & II

Introductory English

First Year Seminar

Other courses as appropriate for the individual

NOTES:

1. The course load for each semester is usually four courses. All Biology majors take Principles of Biology (BIO 1111, 1112) in the fall and spring semesters. Students who decide to take General Chemistry (CHE 1101, 1102) in their first year should consult with their advisor or, if their advisor is from another Department, with a faculty member in the Biology Department before making this decision. The third first-year course is usually Introductory English. The other courses should be chosen to fulfill a general college Requirement as well as the First Year Seminar requirement.
2. All courses should be selected only after consultation with the academic advisor and a Biology advisor.

ENVIRONMENTAL SPECIALIZATION WITHIN THE MAJOR (48 HRS.)

Required:

All courses required for the basic Biology major, including the Capstone Experience. From the seven selected courses:

3 should be chosen from group 4

2 should be chosen from group 3

1 should be chosen from group 2

1 should be chosen from group 1

Recommended:

Highly Recommended Electives:

Environmental Policy, an Economics course, GIS, and Statistics

One to three credit hours of an internship

Contact: Drs. Iglich or Alspach, Biology

MOLECULAR BIOLOGY SPECIALIZATION WITHIN THE MAJOR (57 HRS.)

Required:

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

CHE 1101 Introductory Chemistry I

CHE 1102 Introductory Chemistry II

CHE 2217 Organic Chemistry I

CHE 3321 Biochemistry I

BIO 2203 Genetics

BIO 3310 Cell Biology

BIO 2208 Molecular Biology

BIO 3365 Genomics

EITHER BIO 3301 Immunology OR BIO

3323 Developmental Biology

EITHER BIO 3309 Adv. Molecular Genetics

OR BIO 3309 Adv. Human Genetics

In addition there is a distribution requirement.

At least one course must be taken from Groups 2-4 of the Basic Major courses. Note that BIO 3311 and 3301 are Group 2 courses, so either would satisfy this portion of the distribution requirement.

Finally, the Capstone experience as part of the Biology major is required.

MINOR IN BIOLOGY (20 HRS.)

Five four-credit courses; at least three must be at the 2000 or 3000 level. BIO 1111 and 1112 are required for all upper division courses.

Alternate Career Options for the Biology Major:

A. BIOLOGY AND CHEMISTRY DOUBLE MAJOR (also see Chemistry major requirements)

B. BIOLOGY MAJOR AND CHEMISTRY MINOR (see Chemistry minor requirements)

Biology Course Descriptions (BIO)

1111 Principles of Biology I

4 credits

This course is intended for prospective science majors and is required, along with BIO 1112 before all Biology courses at the 2000 level or above. It focuses on unifying concepts of species and adaptations of species to change. The first semester is an overview of cell biology including cell structure, cell metabolism, cell

reproduction, enzyme action, DNA, protein, and genetics. The laboratory emphasizes basic techniques and is an integral component of each semester.

Courses include laboratory.

Required before any Biology courses at the 2000 level or above.

Scientific Inquiry with Laboratory.

Note: An AP Biology score of 4 or 5 may allow waiver of Biology 1112 but not of Biology 1111.

1112 Principles of Biology II

4 credits

This course is intended for prospective Biology majors and is required before all Biology courses at the 2000 level or above. It focuses on unifying concepts of species and adaptations of species to change. Adaptations at the organismal level are investigated in the second semester with emphasis on maintenance and control systems as they evolved for organisms to live in various habitats. The laboratory emphasizes basic techniques and is an integral component of each semester.

Prerequisites: Biology 1111, Placement above Mathematics 1002

Scientific Inquiry with Laboratory.

Note: An AP Biology score of 4 or 5 may allow waiver of Biology 1112 but not of Biology 1111.

1115 Human Heredity: A User's Guide

4 credits

Human genetics and evolution. Themes of the course include our own heredity, the technology of cytogenetics and genetic engineering that enables us to study and, in some cases, to manipulate genetic material, the genetic basis of evolutionary theory, and the assessment of such information that is reported to the public. Intended for non-science majors.

Prerequisite: Placement above Mathematics 1001.
Scientific Inquiry.

1116 Biodiversity

4 credits

A survey of the diversity of living organisms with an emphasis on conservation. Occasional field trips will be a required component of the course.

Intended for non-science majors.

Scientific Inquiry with Laboratory.

1118 Human Biology*4 credits*

The biology of people, including study of human evolution, human ecology, anatomy, physiology, and genetics. These topics are studied with a view toward the appreciation of scientific and medical research affecting all our lives.

Intended for non-science majors.

Scientific Inquiry.

1119 Dinosaur Biology*4 credits*

This course centers on dinosaurs, their evolution, life and extinction. Topics will include dinosaur anatomy and physiology, the major groups of dinosaurs, their life styles, and their distribution in time and space. Their appearance through evolutionary processes and their extinction through one or several proposed processes will be examine, as will be the place of dinosaur study in the framework of modern science.

Scientific Inquiry.

1121 Biology of Aging*4 credits*

The physiological, genetic, nutritional and other biological aspects of the aging human body. Course will include the impact of disease, stress, and neurological and endocrinological change, as well as the research being done at the molecular, cellular, metabolic, and population levels to increase and promote the health of the aging population.

Intended for the minor in Gerontology.

Scientific Inquiry with Laboratory.

1125 The Impact of Human Disease*4 credits*

Study of historical and contemporary interactions between disease and the individual, society, economics, medicine, research, and ethics. Infectious disease, genetic disease, and cancer will be examined, as well as disease which results from both biological and environmental factors.

Intended for non-science majors.

Scientific Inquiry.

2201 Vertebrate Diversity*4 credits*

A study of vertebrate structure with an

emphasis on taxonomic diversity. Phylogenetic systematic approaches to vertebrate phylogeny will be explored. The laboratory will survey the vertebrates; trips to the field will be used to explore the local fauna.

Prerequisite: Biology 1112.

Biology major Group 3 course.

2203 Genetics*4 credits*

A study of the concepts of classical and contemporary genetics. The action of genetic mechanisms at various levels of biological organization (molecular, cellular, organismal, and population) and in a variety of cells and organisms is included.

Course includes laboratory.

Prerequisite: Biology 1112.

Biology major Group 1 course.

2204 Botany*4 credits*

Ecology and evolution of plants. The morphology, physiology, and genetic systems of plants are studied as adaptational responses set by evolutionary history and environmental constraints.

Course includes laboratory.

Prerequisite: Biology 1112.

Biology major Group 3 course.

2205 Invertebrate Zoology*4 credits*

Structural and functional adaptations of invertebrate animals studied in relation to their habitats and evolution.

Course includes laboratory.

Prerequisites: Biology 1112, Chemistry 1101 (co-requisite).

Biology major Group 3 course.

2206 Epidemiology*4 credits*

A study of the science of disease incidence, spread, prevention, and control in human populations. The course will examine descriptive and quantitative methods, public health surveillance methods, and outbreak analysis techniques. Centers for Disease Control (CDC) Morbidity and Mortality reports will be emphasized.

Prerequisite: Biology 1112.

Biology major Group 2 course.

2209 Environmental Health

4 credits

The ecotoxicological effects resulting from environmental changes initiated of human origin. Both human and ecosystem health are studied.

Prerequisite: Biology 1112, Chemistry 1101 (pre- or co-requisite).

Biology major Group 4 course.

2211 Human Physiology

4 credits

A study of the functions of the human organism: digestion, circulation, respiration, excretion, nervous control, endocrine regulation, and muscle action.

Course includes laboratory.

Intended for those majoring in Exercise Science and Physical Education.

Prerequisites: Biology 1111, Chemistry 1101 or 1121.

This course does not fulfill requirements of a Biology major.

2217 Ecology

4 credits

A study of the interactions between organisms and their environment and among organisms of the same and other species. Emphasis is on organismal, population, community, and ecosystems ecology.

Course includes laboratory.

Prerequisites: Biology 1112, Chemistry 1102.

Biology major Group 4 course.

2218 Parasitology

4 credits

Systematics, structures, and functions of major parasitic groups from protists through arthropods. Topics such as the cell biology and pathology of selected human parasites and their medical treatment will also be included.

Course includes laboratory.

Prerequisites: Biology 1112.

Biology major Group 3 course.

2225 Endocrinology

4 credits

A study of the mammalian endocrine system with emphasis on humans. Topics include gross anatomy, histology, functions of the endocrine organs, and a detailed examination of diseases of the endocrine system. Consideration is given to the hormones as signals within regulatory

systems, and frequent reference is made to experimental methods in endocrinology.

Prerequisite: Biology 1112.

Biology Major Group 2 course.

2234 Marine Biology

4 credits

A study of organisms inhabiting marine and estuarine environments including structural and functional adaptations to these ecological regions. Emphasis will be placed on ecological principles involving marine organisms.

Course includes laboratory.

Prerequisite: Biology 1112.

Biology major Group 4 course.

3301 Immunology

4 credits

Principles of the immune system, including overview of cells and organs, experimental systems and techniques, generation of T and B cell responses, and immune effector mechanisms. The course will also include vaccines, autoimmune and immunodeficiency diseases, and responses to infection.

Course includes laboratory.

Prerequisites: Biology 2203 or 3310, Chemistry 1102.

Biology major Group 1 course.

3307 Microbiology

4 credits

A study of structure, metabolism, growth, and reproduction of microorganisms with emphasis on bacteria.

Course includes laboratory.

Prerequisite: Biology 1112, Chemistry 1102

(pre- or co-requisite).

Biology major Group 3 course.

3309 Advanced Genetics - Human Molecular

4 credits

A seminar course whose major focus is human genetics. The course extends the general principles learned in Biology 2203.

Prerequisites: Biology 2203, Chemistry 2217.

Biology major Group 2 course.

3310 Cell Biology

4 credits

A study of the structure and internal processes of eukaryotic cells. Includes cell energetics, the working of internal compartments (e.g. endoplasmic reticulum and mitochondria), and membrane transport. The interface between cells and their environment and factors allowing cooperative behavior of cells are also examined.

Course includes laboratory.

Prerequisites: Biology 1112, Chemistry 1102.

Biology major Group 1 course.

3311 Advanced Genetics - Molecular

4 credits

A seminar course whose major focus is molecular genetics. The course extends the general principles learned in Biology 2203.

Prerequisites: Biology 2203, Chemistry 2217.

Biology major Group 1 course.

3315 Cell Biology of Model Organisms

4 credits

This course will focus on the cell biology of selected model organisms including yeast, nematodes, fruit flies, and zebrafish. The course includes a laboratory which will focus on using these model organisms to investigate aspects of cell biology that are amenable to analysis in each species.

Prerequisite: Biology 3310.

Biology major Group 1 course.

3316 Animal Physiology

4 credits

A study and analysis of functional processes in animals and the involvement of these processes in homeostatic regulation. Topics include osmotic and ionic regulation, excretion, respiration, circulation, muscles, nervous communication, and hormones.

This course is designed for students majoring in Biology.

Course includes laboratory.

Prerequisites: Biology 1112, Chemistry 1102.

Biology major Group 2 course.

3320 Neurobiology

4 credits

An investigation into information routing in the brain, spinal cord, and nerves. Includes consideration of how nerve cells conduct information and communicate with each other; a study of perception and control of movement, and a detailed examination of the history of neurobiological research and how we learn from those who have disorders of the nervous system.

Biology Major Group 2 course.

Prerequisites: Biology 1112, Chemistry 1102.

3321 Evolution

4 credits

The evidence, the mode, and the implications of organic evolution treated in such a manner as to emphasize the function of evolution as the greatest general unifying principle in biology. Special attention is paid to the many recent contributions of research to this field.

Prerequisite: Biology 2203.

Biology major Group 4 course.

3323 Developmental Biology

4 credits

A study of morphogenesis, including structural and biochemical changes during development and the mechanisms which control developmental processes. Control, patterns, and the mechanisms of the morphogenetic cell movements are considered in depth.

Course includes laboratory.

Prerequisite: Biology 1112, Chemistry 1102.

Biology major Group 2 course.

3324 Comparative Anatomy of Vertebrates

4 credits

A study of vertebrate structure in relation to phylogeny, ontogeny, and function, emphasizing morphological adaptation for function. The laboratory investigation compares the detailed anatomy of a fish (shark), an amphibian (Necturus), and a mammal (cat).

Course includes laboratory.

Prerequisites: Biology 1112, Placement above MAT 1002

Biology major Group 2 course.

3350 Bioethics

4 credits

A study of ethical issues in biology and medicine including health care policies, euthanasia, scientific fraud, and reproductive technologies. This course will explore these and similar issues and case studies and create a framework for ethical decision making based on philosophical principles.

Social, Cultural, and Historical Understanding. This course does not satisfy requirement or the requirements of the Biology major.

Cross-listed with Philosophy 3350.

3392 Internship in Gerontology

2 credits

Supervised field experiences in appropriate settings designed to assist students in acquiring and using skills and knowledge of the field of study unique to gerontology. Possible settings for internships include long-term care facilities, voluntary health organizations, professional associations, senior centers, churches, pastoral counseling centers, social service agencies for the aged, and research centers.

Cross-listed with Psychology 3392, Religion 3392, Social Work 3392, and Sociology 3392.

4492 Senior Poster Presentations

1 credit

Poster presentations of laboratory or clinical findings on topics of current biological research interest. Credit requires participation in a series of workshops during the spring semester prior to graduation and culminates in the poster presentations in December or April. This course serves as the Capstone Experience for seniors in Biology, Biochemistry, or any other dual or student-designed major which includes Biology.

4493 Senior Seminar

4 credits

An alternative Capstone project for senior Biology majors who have not completed a laboratory or clinically based research project. The course will explore the process of doing research in biology. This would include experimental design, reagent selection, budgeting, analysis of results, and use of appropriate statistics. The second half of the course will focus on the students writing a grant proposal either on a particular topic using a standard NIH or NSF

format. It will culminate in an oral defense of the proposal before several members of the Biology faculty.

2265; 3365 Special Topics In Biology

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395 Internship In Biology

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Study In Biology

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

BUSINESS ADMINISTRATION

Professors Claycombe, Milstein, J. Olsh (Department Chair), and Seidel; Associate Professor McIntyre; Assistant Professor Routzahn; Senior Lecturer Carter; Lecturer Lavin.

Areas of particular teaching interest: Professor Claycombe: industrial organization, managerial economics; Professor Milstein: intermediate and advanced accounting; Professor Olsh: economic development, history of economic thought; Professor Seidel: money and financial markets; Professor McIntyre: macroeconomics, international economics, money and financial markets; Professor Routzahn: accounting and finance; Professor Carter: marketing and management, Professor Lavin: accounting, finance, ethics and business.

Students who major in this program, in addition to acquiring a broad liberal education, prepare for careers in business and finance; for

careers in government such as economic analysis, administration, and foreign service; and, by completing graduate study in a university, for professional careers in law, business, accounting, and economics. McDaniel College's business administration graduates are admitted to fine graduate schools in economics, business administration, accounting, and law. Others go directly to jobs in businesses such as banking, insurance, and manufacturing, while others secure positions in federal departments such as Labor, Commerce, FDIC, IRS, State, NSA, and Federal Reserve Board. A student may also prepare to teach social studies in public secondary schools (middle/high school).

Other Educational Options in Business Administration: Because of the substantial number of Economics courses required by the major, many students complete either a dual or double major with Economics which combines the advantages of both theoretical and applied disciplines.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Business Administration.

Please see the Dual Major section for dual majors with Business German or Economics.

Departmental Honors

Honors students, in addition to maintaining a departmental average of 3.50, are expected to demonstrate academic leadership as evidenced by their ability to discuss economic issues and to perform research. To that end the honors students must write a senior, honors thesis (normally of four semester-hours credit).

BASIC MAJOR (48 HRS.)

Required:

BUA 1101 Principles of Accounting I

BUA 1102 Principles of Accounting II

Four hours from Mathematics

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods

ECO 2201 Principles of Economics

ECO 3303 Microeconomic Theory

ECO 3320 Macroeconomic Theory

Four hours from among:

ECO 3304 International Economics

ECO 3305 American Economic History

ECO 3318 European Economic History

ECO 3324 Managerial Economics

ECO 3326 Economic Development

ECO 3327 Industrial Org. & Public Policy

ECO 4310 Money & Financial Markets

ECO 4312 Mathematical Economics

Four hours from among:

BUA 2201 Intermediate Accounting I

BUA 2212 Tax Accounting

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial Emphasis

BUA 3301 Advanced Accounting

BUA 3307 Investments

BUA 4323 Corporate Finance and Financial Management

Four hours from among:

BUA 2205 Legal Environment of Business

BUA 2209 Principles of Marketing

BUA 2210 Ethics and Business

BUA 2211 Entrepreneurship

BUA 2214 Principles of Management

BUA 2220 Psychology in the Workplace

BUA 3325 Managing Sys. in a Macro Envir.

Four hours from among:

COM 1110 Public Speaking

ENG 1103 Introduction to Journalism

ENG 2208 Advanced Composition

ENG 2212 Professional Communication

ENG 3311 Writing in Professional Contexts

The required Capstone in Business

Administration is chosen from one of the following (which must be taken at the College):

BUA 3324 Managerial Economics

BUA 4323 Corporate Finance and Financial Management

ECO 4310 Money and Financial Markets

Suggested First Year Schedule:

BUA 1101 Principles of Accounting I

English Composition (based on placement)

First Year Seminar

Mathematics (based on placement)

Physical Education

NOTE:

Placement above Mathematics 1001 is required before you may register for any Accounting course or ECO 1101.

Placement above Mathematics 1002 is required before you may register for any courses in Economics (except ECO 1101), Mathematics, or Statistics.

MINOR: BUSINESS ADMINISTRATION (24 HRS.)

BUA 1101 Principles of Acct. I

BUA 1102 Principles of Acct. II

ECO 2201 Principles of Economics

STA 2215 Elementary Statistics for Social
Science

One four-hour Business elective at the 2000
level or above

Four hours from among:

BUA 3324 Managerial Economics

BUA 4323 Corporate Finance and Financial
Management

ECO 3303 Microeconomic Theory

ECO 4310 Money and Financial Markets

MINOR: ACCOUNTING (24 HRS.)

BUA 1101 Principles of Acct. I

BUA 1102 Principles of Acct. II

BUA 2201 Intermediate Accounting I

BUA 2202 Intermediate Accounting II

Eight hours from among:

BUA 2205 Legal Environment of Business

BUA 2212 Tax Accounting

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial
Emphasis

BUA 3301 Advanced Accounting

PRE-LAW PREPARATION

Students majoring in Business Administration as a pre-law course of study are urged to include electives from one or more of the following fields in their programs:

History

Political Science

English

Economics

Business Administration Course Descriptions (BUA)

1101, 1102 Principles of Accounting

4, 4 credits

Fundamental principles of accounting with emphasis on the preparation and interpretation of financial statements. Attention is given to the collection and reporting of pertinent information for creditors, management, and investors. The second semester includes the preparation of data for internal management purposes; the collection, presentation, and interpretation of information for purposes of decision-making, cost control, and managerial planning.

Prerequisite: Placement above MAT 1001

2201, 2202 Intermediate Accounting

4, 4 credits

A comprehensive treatment of accounting theory and practice emphasizing accounting principles, techniques, and procedures of evaluation, problem solving, and report preparation.

Prerequisites: Business Administration 1101 and 1102.

Offered in 2008-2009 and alternate years.

2205 The Legal Environment of Business

4 credits

The nature of the court system, constitutional law, and legislation. Topics covered include law by judicial decision, law by administrative agencies, and the regulation of business and taxation. Special attention is given to antitrust law and the law of employment and labor relations.

2209 Principles of Marketing

4 credits

An introduction to the marketing function. The focus is primarily on "for profit" firms and their approaches to the marketing discipline. The course tests the student's mastery of fundamental marketing concepts, principles, and definitions. Several case studies supplement the required texts and lecture contents.

2210 Ethics and Business

4 credits

A consideration of some of the major ethical issues in business: the profit motive and the public good, social responsibility of corporations, environmental concerns, consumer and employee relations, the role of the state, advertising practices, conflict of interest and of obligation, and hiring practices. Social, Cultural, and Historical Understanding. Cross-listed with Philosophy 2210. Offered as needed.

2211 Entrepreneurship and Small Business Management

4 credits

The study of entrepreneurship, the process of combining resources to produce new goods or services, will be examined. Critical success factors and common failures will be highlighted. The creation of an effective business plan in emphasized. Several case studies and classroom discussions with successful small business owners and entrepreneurs will supplement the required texts and lecture contents.

Prerequisite: Business Administration 1101.

2212 Tax Accounting

4 credits

Theoretical and practical analysis of federal taxation under the current Internal Revenue Code as it relates to individuals, corporations, and partnerships. Includes preparation of federal tax forms.

Prerequisite: Business Administration 1102.

Offered in 2008-2009 and alternate years.

2213 Auditing

4 credits

A basic study of the standards and procedures followed in the audit of financial statements.

Prerequisites: Business Administration 1101 and 1102.

Offered in 2007-2008 and alternate years.

2214 Principles of Management

4 credits

An introduction to the management function, focusing on the theory and fundamental concepts of management including planning, organization, leadership, and control. The class reviews the evolution of management thought, function, and practice and stresses current

approaches and emerging concepts. Several case studies and a research project supplement the required text and lecture contents.

2215 Cost Accounting: A Managerial Emphasis

4 credits

The role of accounting information in management decision-making. Particular emphasis is placed on internal planning and control regarding such topics as ABC manufacturing costs under job order, process, activity-based and standard cost accounting systems, variance analysis, budgeting, direct and absorption costing, and tax planning.

Prerequisite: Business Administration 1102.

Offered in 2007-2008 and alternate years.

2220 Psychology in the Workplace

4 credits

An exploration of the principles of psychology as they are relevant to the work environment. Included will be a discussion of how psychologists can help improve the workplace and address organizational concerns. Topics include selection, training, personnel evaluation, and the characteristics of a variety of work environments. Discussions will also consider how these practices may affect organizational or individual effectiveness and attitudes.

Prerequisite: Psychology 1106.

Cross-listed with Psychology 2220.

3301 Advanced Accounting

4 credits

A study of advanced topics in accounting, including partnerships, business combinations, consolidated financial statements, foreign currency transactions and translation, branches, governmental accounting, and nonprofit accounting.

Prerequisites: Business Administration 2201 and 2202.

Offered in 2007-2008 and alternate years.

3305 Public Administration

4 credits

An examination of the nature and development of public administration in the United States with attention to policies of organization, management, personnel, budgeting, forms of administrative responsibility, and governmental services. Cross-listed with Political Science 3305.

3307 Investments

4 credits

The study of personal investments: an understanding of stocks, bonds, mutual funds, and derivatives; the mechanisms of the security markets; participation in the markets; sources and uses of investment information; market and company analysis; yield, valuation, and ratios; and portfolio management.

Prerequisites: Economics 2201, Business Administration 1101, 1102.

3324 Managerial Economics

4 credits

The application of economic theory and quantitative methods to solve business problems. Emphasis is on analysis of demand, cost, and profit under conditions of imperfect information and uncertainty. Business pricing strategies receive special attention.

Prerequisite: Economics 2201, Statistics 2215, or permission of the instructor.

Cross-listed with Economics 3324.

3325 Managing Systems in a Macro Environment

4 credits

The integration of concepts from human service organizations, culture, groups, and thinking styles with contemporary human relations issues in the American workplace. Ethnicity, changing societal norms, gender, and employee assistance programs are emphasized. Students work in small groups and do analytical study with private and public work organizations. Students will be involved in field experiences with community organizations.

Prerequisite: Sociology 1104.

Cross-listed with Social Work 3325 and Sociology 3325.

4323 Corporate Finance and Financial Management

4 credits

The management of business funds, with emphasis on the techniques of financial analysis, the financial environment in which firms operate, the sources and forms of external financing, and the allocation of funds to competing alternatives such as plant and equipment, working capital, and financial investment.

Prerequisites: Business Administration 1101, Statistics 2215, or permission of the instructor.

4490 Senior Thesis

1-4 credits

Directed individual research and writing. Open only to Business Administration majors. Honors students are normally expected to register for 3-4 semester hours.

4491; 4492 Economics and Business Administration Colloquium

1; 1 credit

Readings and group discussions. Significant works in economics and business administration are read and analyzed.

This course is open to all senior Business Administration majors.

Prerequisite: Economics 2201 or permission of the instructor.

Cross-listed with Economics 4491; 4492.

2265; 3365; 4465 Special Topics in Business Administration

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering.

2295; 3395; 4495 Internships in Business Administration

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Business Administration

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

CHEMISTRY

Professor R. Smith (Acting Department Chair); Associate Professor Wladkowski; Assistant Professors Craig and Nilsson; Visiting Assistant Professor M. Smith.

Areas of particular teaching interest:

Professor R. Smith: computational and experimental studies in the mechanism of action of anti-AIDS and cancer chemotherapeutic agents; Professor Wladkowski: computational studies of enzyme reaction mechanisms; Professor Craig: bioinorganic chemistry compounds and their characterization; Professor Nilsson: biochemistry of the diseases of aging; Dr. M. Smith: application of computational methods to drug design.

The offerings in Chemistry are intended to provide the essential background for students electing a major in the subject to qualify for graduate study, government and industrial work, and secondary education. When the offerings are combined with the appropriate courses in Biology, students would be qualified for admission to medical, dental, veterinary, and optometry programs, as well as graduate programs in medicinal chemistry, clinical chemistry, biochemistry, environmental studies, pharmacy, pharmacology, and related fields. The program in chemistry meets the undergraduate professional standards of and is certified by the American Chemical Society.

The Department counsels each of its students carefully in order to ensure that each takes the courses which will best meet expected career goals. Opportunities exist for internships, research, and/or employment to give students practical experience in chemistry and allied fields. Extensive use is made of off-campus internships and on-campus summer research assistantships to give students practical experience in their chosen profession.

The Department encourages students to combine courses in Chemistry with those in other departments—such as Biology, Mathematics, Physics, Economics, Exercise Science and Physical Education, and Political Science—to develop programs which will provide broad awareness consistent with the College's liberal arts and sciences philosophy. Other Educational Options in Chemistry: American Chemical Society Certified Chemistry Major; Biochemistry major; EPE-Chemistry (Exercise Chemistry) dual major; Pre-Professional Curriculum for the Health Sciences; Industry; Teacher Certification Secondary (middle/high school).

The basic major and the additional options suggested offer a Chemistry major of sufficient

flexibility to pursue further training in graduate or health professional studies or to begin a career directly with employment in industry, government, teaching, or a variety of other fields. The curriculum has been approved by the American Chemical Society as one containing sufficient breadth and depth to enable students to pursue any of these goals.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Chemistry.

Please see the Dual Major section for the dual major with Exercise Science and Physical Education (Exercise Chemistry).

Please see the Biochemistry section for the description of the Biochemistry major.

Honors in Chemistry (Biochemistry, Exercise Chemistry)

Honors in Chemistry (Biochemistry, Exercise Chemistry) will be awarded to graduating seniors who have earned at least a 3.50 grade point average in all courses required for the particular major, who have performed an independent laboratory research project (including a written paper and an oral presentation concerning the project), and who are recommended by the Department(s). (Chemistry for Biochemistry; Chemistry and Exercise Science and Physical Education for Exercise Chemistry)

BASIC MAJOR (50 HRS.)

CHE 1101 Intro. Chemistry I: Structure & Bonding

CHE 1102 Intro. Chemistry II: Chemical Reactivity

CHE 2201 Electronic Literature Searching for the Chemical Sciences (1 credit)

CHE 2204 The Chemistry of Metals in Biology

CHE 2217 Organic Chemistry I

CHE 2218 Organic Chemistry II

CHE 2219 Quantitative Analysis

CHE 3307 Physical Chemistry I

CHE 3308 Physical Chemistry II

CHE 4492 Chemistry Seminar (1 credit)

Capstone Experience

MAT 1117 Calculus I

MAT 1118 Calculus II (or equivalent)

PHY 1101 General Physics I

PHY 1102 General Physics II

Suggested First-Year Schedule:

CHE 1101 Intro. Chemistry I: Structure & Bonding
CHE 1102 Intro. Chemistry II: Chemical Reactivity
MAT 1117 Calculus I
MAT 1118 Calculus II
English Composition or Foreign Language
First Year Seminar; General Education

**AMERICAN CHEMICAL SOCIETY (ACS)
CERTIFIED MAJOR (70 HRS.)**

Basic Major in Chemistry
BIO 1111 Principles of Biology I
CHE 3321 Biochemistry I
CHE 4406 Advanced Analytical Chemistry
CHE 4415 Inorganic Chemistry
One of these options must be chosen: one additional course in advanced Chemistry, a four-hour research project, or an approved course in Biology, Mathematics, or Physics.

**CHEMISTRY - PRE-PROFESSIONAL
(MEDICAL, DENTAL, VETERINARY,
ETC.) (58 HRS.)**

Required:

Basic Major in Chemistry
BIO 1111 Principles of Biology I
BIO 1112 Principles of Biology II

Recommended:

BIO 2203 Genetics
BIO 3310 Cell Biology
BIO 3316 Animal Physiology
BIO 3324 Comparative Anatomy of Vertebrates
CHE 3321 Biochemistry I
CHE 3322 Biochemistry II
ENG 2212 Professional Communication
PSY 1106 Introduction to Psychology

MINOR IN CHEMISTRY (24 HRS.)

CHE 1101 Intro. Chemistry I: Structure & Bonding
CHE 1102 Intro. Chemistry II: Chemical Reactivity
CHE 2217 Organic Chemistry I
CHE 2218 Organic Chemistry II

Four hours from among:

CHE 2210 Physical Chemistry for the Life Sciences

CHE 3308 Physical Chemistry II

Four hours from among:

One additional four-hour course in Chemistry

Before a student may register for CHE 1101, the student is required to either (1) place above MAT 1002, OR, (2) register for MAT 1001 Basic Mathematics (if deficient in arithmetic) and/or MAT 1002 Basic Algebra (if deficient in algebra) as a co-requisite(s) and successfully complete the requirement(s) of the mathematics course(s).

Placement above MAT 1002 is required before a student may register for any course in Chemistry except CHE 1101.

Chemistry Course Descriptions (CHE)

**1101 Introductory Chemistry I:
Structure and Bonding**

4 credits

The first half of the two-semester, introductory chemistry course is designed primarily for science majors. The course includes an overview of the macroscopic behavior of matter including the physical properties of solids, liquids, and gases. An explanation for these macroscopic observations is then sought in a study of the structure of matter at the atomic level. This encompasses an introduction to atomic theory and the quantum mechanical view of atomic structure, explanations of ionic and covalent bond formation including valence bond theory and molecular orbital theory, the use of valence shell electron pair repulsion theory to explain molecular shape, the interaction between molecules via intermolecular attractive forces, and kinetic molecular theory. The laboratory focuses on the observation of physical properties of matter by conventional and instrumental methods, and the application of these observations to identify and characterize different kinds of matter in a problem solving environment. Course includes a laboratory.

Prerequisites: Mathematics 1001 and 1002 or placement above Mathematics 1002.

Scientific Inquiry with Laboratory.

1102 Introductory Chemistry II: Chemical Reactivity

4 credits

The second half of the two-semester introductory chemistry course is designed primarily for science majors. The course includes an overview of the study of chemical reactions including the major classes of reactions, writing and balancing chemical equations, reaction stoichiometry, and a detailed study of oxidation-reduction reactions, acid-base reactions, and ion-exchange reactions. In addition, factors governing the rate and extent of reaction are explored in an introduction to chemical kinetics, the principles of equilibrium, and chemical thermodynamics. In the laboratory, students explore and discover principles of stoichiometry, kinetics, and equilibrium, using conventional and instrumental techniques. They then apply these principles in a problem-solving environment.

Course includes a laboratory.

Prerequisite: Chemistry 1101.

Scientific Inquiry with Laboratory.

1121 Essentials of General, Organic, and Biochemistry

4 credits

This survey course introduces basic concepts in three areas of chemistry in order to facilitate understanding of the relationship of chemistry both to our bodies and to the world in which we live. Basic chemical principles include the concepts of atomic structure, chemical reactions, equilibria, pH, and kinetics. Following an introduction to the types and reactions of organic molecules, the major classes of biomolecules (carbohydrates, proteins, lipids, and nucleic acids) and their metabolism are discussed. This biochemistry is then related to disease states in the body and the development of drugs to combat disease. Course includes short labs relating real world chemistry to problems of interest.

This course satisfies a major requirement in Exercise Science and Physical Education and the minor in Sports Science and in Forensic Science, but does not satisfy any major requirement in Chemistry, in the major in Biochemistry or in the dual major in Exercise Chemistry.

Prerequisites: Mathematics 1001 and 1002 or placement above Mathematics 1002.

Scientific Inquiry with Laboratory.

2201 Electronic Literature Searching for the Chemical Sciences

1 credit

An introduction to searching the scientific literature using electronic databases (STN International). Specific instruction is given in the techniques and strategies used in searching retrospective, forward, and relational databases by electronic means.

2203 Environmental Chemistry

(See EPS 2203 for description)

2204 Chemistry of Metals in Biology

This non-quantitative course introduces biochemistry, biology, chemistry, and environmental policy and science majors to the chemistry of transition metals. After studying the fundamentals, the focus will be the practical and biological implications of this area of inorganic chemistry. These may include: the role of transition metals in medicine, electron transport, nitrogen fixation, oxygen transport and storage, and iron sequestration.

Prerequisite: Chemistry 1102

4 credits

2210 Physical Chemistry for the Life Sciences

4 credits

An introduction to the elements of thermodynamics, chemical dynamics, and quantum mechanics of life processes.

Prerequisites: Chemistry 1102, Mathematics 1117.

2217, 2218 Organic Chemistry I, II

4, 4 credits

A systematic study of the compounds of carbon based upon functional reactivity with emphasis on the physicochemical approach to reaction mechanisms. A coordinated laboratory incorporates classical techniques (recrystallization, distillation, and extraction), analytical methods (chromatography and spectroscopy), and molecular modeling. Qualitative analysis of organic compounds comprises half of the second-semester laboratory.

Courses include laboratory.

Prerequisite: Chemistry 1102.

2219 Quantitative Analysis

4 credits

Theory and application of analytical methods including chemical equilibria, volumetric methods, electrochemical methods, and gravimetric methods with a particular emphasis on quantitative analysis and the statistical treatment of data.

Course includes laboratory.

Prerequisite: Chemistry 1102.

3307 Physical Chemistry I: Quantum Chemistry and Spectroscopy

4 credits

A study of the principles of quantum mechanics and its application to problems of chemical interest including atomic and molecular structure, molecular motion, chemical bonding, molecular orbital theory, and atomic and molecular spectroscopy.

Course includes laboratory.

Prerequisites: Chemistry 1102, Physics 1102, Mathematics 1118.

3308 Physical Chemistry II: Thermodynamics and Equilibria

4 credits

A study of the laws of thermodynamics and their application to chemical and physical equilibria and the macroscopic properties of matter. Course includes laboratory.

Prerequisites: Chemistry 1102, Physics 1102, Mathematics 1118; Chemistry 2219 is strongly recommended.

3321 Biochemistry I

4 credits

This course provides an exploration of cellular function on a molecular level. The major focus of the course is on protein chemistry; topics include protein structure, folding, synthesis, and function. Skills such as technical writing, database information retrieval, data analysis, and critical thinking are highlighted. The laboratory is research-based and will primarily explore the relationship between protein misfolding and human disease. Techniques include protein purification, electrophoresis, and spectroscopic characterization.

Course includes a laboratory.

Prerequisites: Chemistry 2217 and Biology 1111; Chemistry 2201 and 2218 are strongly recommended.

3322 Biochemistry II

4 credits

This course highlights the applications of inorganic, organic, and physical chemistry to biochemistry. Inorganic chemistry is presented in the context of protein mineralization and bone deposition, organic chemistry is related to metabolic processes, and physical chemistry to the thermodynamics of protein folding; the relationship between these processes and human diseases/rational drug design is highlighted.

Emphasis will be placed on the use of original scientific literature. Course includes a laboratory.

Prerequisite: Chemistry 3321; Chemistry 2210 or 3308 is strongly recommended.

3326 Advanced Organic Chemistry

4 credits

A study of physical organic chemistry (kinetics and linear free-energy relationships) and topics selected from C-13 and multidimensional NMR, molecular rearrangements, photochemistry, and heterocyclic compounds, with emphasis on the content and use of current literature. Molecular modeling will be used to answer chemical questions.

Prerequisites: Chemistry 2201 and 2218.

4406 Advanced Analytical Chemistry

4 credits

Theory and practice in obtaining chemical data with instruments, with emphasis on the quantitative aspects. Studies include electrochemical techniques such as polarography, stripping analysis, amperometry, advanced chromatographic techniques, NMR, Mass Spectrometry, X-ray, Laser usage, and laboratory computer applications.

Course includes laboratory.

Prerequisites: Chemistry 2219 and 3307;

Chemistry 3308 (pre- or co-requisite).

4415 Inorganic Chemistry

4 credits

A survey of topics which comprise the broad area of inorganic chemistry. The topics studied will include atomic and molecular structure, solid state behavior, elements of symmetry, acid-base theory, non-aqueous solvents, and structures and properties of transition metal and organometallic compounds.

Course includes laboratory.

Prerequisites: Chemistry 2218 and 3307.

4492 Chemistry Seminar*1 credit*

Presentation of laboratory or literature findings on current topics of chemical interest by students, faculty, and visiting lecturers. This course is the Capstone Experience in Chemistry and is required of all senior Chemistry majors and Exercise Chemistry dual majors. Juniors and non-majors may be admitted by permission of the department.

Prerequisite: Chemistry 2201.

4494 Biochemistry Seminar*1 credit*

Presentation of laboratory or literature findings on current topics of biochemical interest to students, faculty, and visiting lecturers. This course is the Capstone Experience in Biochemistry and is required of all senior Biochemistry majors. Juniors and non-majors may be admitted by permission of the Chemistry Department.

Prerequisites: Chemistry 3321, Biology 2203 and 3310.

Cross-listed with Biology 4494.

2265; 3365; 4465 Special Topics in Chemistry*4 credits*

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495; Internships in Chemistry*0-4 credits*

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Chemistry*0-4 credits*

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

CLASSICAL CIVILIZATIONS

Associate Professor D. Evergates.

Areas of particular teaching interest: Professor Evergates: Greek and Roman history, literature, archaeology.

No major is offered in this field. A minor in Classical Civilizations is available through the Department of History. See the History section for required courses.

COGNITIVE SCIENCE

No major is offered in this field. A minor in cognitive science is the interdisciplinary investigation of the mind/brain.

It is not defined by a single methodology, institutional structure or shared history; but rather, by the phenomenon it investigates: cognition.

Cognitive science brings together those who investigate, for example, the neurobiological mechanisms of long-term potentiation with those who investigate learning and memory, and it unites those who investigate the mind via artificial intelligence with those who engage in philosophical analysis.

The goal, therefore, of a cognitive science minor is not to impart a pre-established corpus of knowledge, but rather to cultivate an understanding of how different disciplines investigate the mind. To that end, the minor in cognitive science does not seek to replace the traditional disciplines that investigate the mind, but rather to encourage dialogue and collaboration between these fields.

The cognitive science minor requires three core classes: one from each of the three main contributing disciplines: biology, psychology and philosophy. It is very likely that one or two of these core classes will be taken to satisfy requirements for a first major. The remaining hours should be spread across the different electives, representing many of the different disciplines that contribute to our understanding of the mind/brain. The electives are roughly organized into two groups to aid student's selection process. Students may wish to focus their efforts in one of these groups, but are not required to do so.

No more than 8 credits from any one area of study may count towards the minor.

COGNITIVE SCIENCE MINOR (20 HRS.)

Required Courses:

PHI 2221 Minds and Machines

PSY 2215 Cognitive Psychology and Cognitive Laboratory (Prerequisite)

And Either

BIO 1112 Principles of Biology II or

BIO 1118: Human Biology

Electives (no more than 8 credits in any one area of study can count for the minor)

The electives are grouped here only as a guide to assist students in focusing their efforts. A student can fulfill the elective requirement with a selection of any of the following courses:

Language, Culture, and Cognition:

CSC 3305 Artificial Intelligence

CSC/MAT 3314 Theory of Computation

ENG 3306 Approaches to the Study of Language

PHI 3321 Minds and Language

PSY/SOC 2204 Social Psychology

PSY 2217 Psycholinguistics

Neuroscience:

BIO 3320 Neurobiology

PHI 3318 Philosophy of Science

PSY 2210 Music, Brain, and Mind

Selected special topics classes may count for the minor, as determined on a course by course basis.

Contact: Dr. Peter Bradley, Philosophy and Religious Studies

COMMUNICATION

Associate Professors Lemieux and Meyer; Assistant Professors Slade and Vance (Department Chair); Emeritus Professor: Dillman; Adjunct Lecturers Bigwood, Brannon, Pilachowski, Beck-Shoup, and Shuford.

Areas of particular teaching interest:

Professor Lemieux: interpersonal communication, health communication, organizational culture; Professor Meyer: gender communication, language and discourse, intercultural communi-

cation; Professor Slade: television and film production, script writing, and film analysis; Professor Vance: popular culture, critical theory, rhetorical analysis and criticism.

Everything you do involves Communication. Everything. At its core, Communication focuses on creating, sending, and receiving messages and, ultimately, determining the effectiveness of messages. It can be as simple as crafting a persuasive message that convinces your girlfriend/boyfriend to attend a film (although sometimes even that is difficult) or as complex as creating a persuasive campaign that convinces people to support a political cause. In addition to face-to-face interaction, Communication involves mediated channels such as television, radio, print, film, and the Internet. Added to that are contextual issues that impact the Communication process such as time and place. In short, Communication is multi-dimensional, and it is the most diverse area of study at McDaniel College.

Our objective is to graduate students who are well trained in thought and argument, who can view problems from multiple perspectives and negotiate appropriate solutions, who can express themselves clearly and with conviction, and who have spent time contemplating the nature of communication – in effect, students who understand what communication is and who can communicate effectively.

Other Educational Options in Communication: Minors in Communication, Film and Video Studies.

Filmmaking Apprenticeship: Juniors and Seniors who have completed the Film and Video Studies Minor may also pursue and advanced, highly independent course of study by directing a 30+ minute film or digital video featurette (fiction or documentary) during a Jan Term Filmmaking Practicum or in Senior Seminar (permission of instructors required).

Please see the Dual Major section for dual majors with Art, English, Foreign Languages, Sociology, or Theatre Arts.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Communication.

Departmental Honors

Awarding of honors is determined by the Communication Department faculty.

All courses are four credits unless otherwise noted.

BASIC MAJOR (44 HRS.)

COM 1102 Interpersonal Communication
 COM 1103 Mass Communication
 COM 2203 Quantitative Research Methods
 COM 2204 Qualitative Research Methods
 COM 4594 Senior Seminar (Cannot be taken in the same semester as COM 2203 and/or COM 2204.)

Four additional four-credit courses in Communication at the 3000 level or above.
 Internships do not apply.

Two courses chosen from:

BUA 2209 Principles of Marketing
 BUA 2210 Ethics and Business
 COM 1110 Public Speaking
 COM 2250 Television Production
 COM 2210 Basic Video Editing
 COM 2265 Special Topics as approved
 ENG 2205 Media Ethics
 ENG 2207 Creative Writing - Fiction
 ENG 2212 Professional Communication
 PHI 1102 Critical Thinking
 THE 1113 Acting
 THE 1117 Group Process in Interactive Theatre

MINOR IN COMMUNICATION (24 HRS.)

COM 1102 Interpersonal Communication
 COM 1103 Mass Communication
 COM 2203 Quantitative Research Methods
 COM 2204 Qualitative Research Methods

Two additional four-credit course in Communication at the 3000 level or above.
 Internships do not apply.

MINOR IN FILM AND VIDEO STUDIES (24 HRS.)

Required:

COM 2210 Basic Video Editing
 COM 2250 Television Production
 COM 3330 Film Analysis
 COM 3337 Scriptwriting
 Select One:

COM 3332 Television Analysis and Criticism

COM 3333 Fiction into Film

COM 3334 Semiotics of Photography and Film

COM 3338 European Film Art (offered only on Budapest campus)

Select One:

MUL 2224 Film Music
 THE 1111 Stagecraft
 THE 1113 Acting
 THE 3328 Playwriting
 ENG 1103 Introduction to Journalism
 ENG 2205 Media Ethics
 COM 4595 Independent Study with Campus TV Station

Contact: Professor Slade, Communication

Communication Course Descriptions (COM)

1102 (FR) Interpersonal Communication

4 credits

A broad historical and theoretical introduction to the study of human communication in the context of face-to-face and small group interaction. Homework and classroom participation put a strong emphasis on writing and speaking.

1103 (FR) Mass Communication

4 credits

A broad historical and theoretical introduction to the study of human communication in the context of organizations and audiences. Homework and classroom participation put a strong emphasis on writing and speaking.

1110 Public Speaking

4 credits

The practical application of basic principles and techniques of public speaking. This is an introductory course designed to prepare students to meet a variety of public oral communication situations.

2203 Communication Research Methods: Quantitative

4 credits

The purposes and methods of formal research in the study of human communication. The main focus of this course is the communication research process from a quantitative perspective.

Specific topics include philosophy of science, research design, data collection, data analysis, statistics, and reasoning.

Prerequisites: Minimum cumulative GPA of 2.0 in both Communication 1102 and Communication 1103.

2204 Communication Research Methods: Qualitative

4 credits

The purposes and methods of formal research in the study of human communication. The main focus of this course is the communication research process from a qualitative perspective.

Prerequisites: Minimum cumulative GPA of 2.0 in both Communication 1102 and Communication 1103.

2210 Basic Video Editing

4 credits

This course is designed to teach the theory and practice of digital video editing including capturing images and sound; manipulating them on a timeline; designing titles, transitions, and effects; and finally outputting the project tape, web of DVD. Each student is required to script, shot-list, cast, and shoot a short, original narrative, and then electronically manipulate the sound and images to explore the vast flexibility of the medium, gain a greater understanding of how an editor generates causality, and develop a recognition of the connection between one's own edit technique and successful story telling. There will be opportunities for those who want to advance at an accelerated pace.

2250 Television Production

4 credits

This course focuses on the pre-production, production, and post-production aspects of television. Specific emphasis is on lighting, filming, editing, and writing. Students are included in the creation of a weekly television show.

3310 Rhetorical History and Criticism

4 credits

This course looks at the modes of persuasion from the earliest recorded oral cultures to today's electronic media, as well as provides an introduction to rhetorical criticism. Topics include how meaning, especially persuasive meaning, is constructed symbolically and how

to critique a rhetorical text. Activities will enable students to better understand the workings of rhetoric in everyday life and give opportunities to improve their ability to discern the rhetorical intent in messages. Textual Analysis.

Prerequisite: Junior or Senior standing.

3314 Language and Discourse

4 credits

An analysis of the rules of social interaction and the functions of language in discourse. Topics include the fundamental features of language, its scope and its acquisition, the structure of conversation, conversational rules, and conversational styles. The course provides instruction in research methods for conversation analysis and discourse analysis.

Prerequisite: Junior or Senior standing.

3321 The Origins of Human Communication

4 credits

The development of human communication by close examination of the evolution of modern humans. Students read about and discuss archeologists' continuing search for human origins, prehistoric cave art, the evolution of language, and the invention of writing. Particular attention is given to theories concerning how nonverbal communication first developed and how and why verbal communication evolved.

Prerequisite: Junior or Senior standing.

3322 From Orality to Print

4 credits

The social, aesthetic, and psycho-dynamic consequences of the advent of manuscript and print cultures. Beginning with a survey of pre-literate oral cultures, this course explores the work of W.J. Ong, Roland Barthes, W.V. Quine, and other theorists.

Prerequisite: Junior or Senior standing.

3323 The Age of Information

4 credits

The personal and institutional implications of the employment of electronic mediated communication systems such as the telephone, television, and Internet. Particular attention is paid to current thought regarding the development of new communication technologies.

Prerequisite: Junior or Senior standing.

3326 Organizational Communication

4 credits

An examination of the communicative practices employed by organizations in their internal and external activities. Topics include: historical and current approaches to the study of organization communication; the development and application of theory to organizational communication problems; research methods used to evaluate organizations and their communicative practices. Students conduct on-site field studies and prepare written and oral presentations of their findings.

Prerequisite: Junior or Senior standing.

3330 Film Analysis

4 credits

A study of film history and aesthetics and the techniques of film analysis. This course traces the process of filmmaking from script to screen. The course includes a weekly three-hour film viewing session.

Prerequisite: Junior or Senior standing.

3332 Television Analysis and Criticism

4 credits

An introduction to analytical and critical theory in the study of television. Topics include analysis of television organization, content and structure, and critical approaches to television text. The course includes a weekly two-hour television viewing/discussion session.

Prerequisite: Junior or Senior standing.

3333 Fiction Into Film

4 credits

The process by which film adapts literary works. The course considers adaptations from short fiction, novels, and dramatic literature; exploring the formal traits unique to each individual genre, the formal traits shared by more than one genre, and the capacity of film adaptation to retain and transform narrative content. Students will write critical essays and a filmscript adapted from a piece of short fiction. The course includes a weekly three-hour film viewing session.

Prerequisite: Junior or Senior standing.

3334 Semiotics of Photography and Film

4 credits

Notions of foundational semiotic thinkers in the context of still photographs and film passages. Students will attend especially to such issues as the arbitrariness of signs, iconic vs. symbolic representation, paradigmatic choice and syntagmatic appropriateness, codes, the variability of codes, the cultural and economic determinants of codes, and mythopoeia.

Prerequisite: Junior or Senior standing.

3337 Scriptwriting

4 credits

The principles, techniques, and requirements of scriptwriting. These are developed through the analysis of existing materials and through the construction and composition of original scripts.

Prerequisite: Junior or Senior standing.

3338 European Film Art (taught only on the Budapest Campus)

4 credits

Theoretical approaches to the study of film, the analysis of filmmaking techniques and styles with reference to the roots of European film (Fritz Lang, Eisenstein, and the early work of Bunuel), but focusing on the important schools and trends of European cinema in the post-war period. Subjects include the major works of leading film directors, such as Fellini, Visconti, Antonioni, Bunuel, Truffaut, Godard, Wim Wenders, Werner Herzog, and Tarkovsky.

Prerequisite: Junior or Senior standing.

3351 Gender and Communication

4 credits

Theoretical perspectives and current research on the relationships between gender and communication. This course explores the contributions human communication makes to the construction of gender and gender identity. Verbal and non-verbal communication are examined in a variety of contexts such as the family, educational institutions, the workplace, intimacy, and the mass media.

Prerequisite: Junior or Senior standing.

3352 Intercultural Communication

4 credits

The influence of culture on communication processes. This course investigates the impact of values, languages, and non-verbal behavior on intercultural interaction. Topics include individualistic versus collectivistic cultures, high-context versus low-context cultures, proxemics, chronemics, verbal styles, and other aspects of cultural variability in communication interactions. International Western.

Prerequisite: Junior or Senior standing.

3353 Cultural Studies

4 credits

An investigation into the dynamics of social power using the cultural studies approach. This course critically examines the role of cultural discourses in the reproduction and disruption of the social order. Topics include understanding theories of culture, globalization, ideology, hegemony, and consciousness.

Prerequisite: Junior or Senior standing.

3355 Critical Theory and Popular Culture

4 credits

A detailed analysis of popular culture formations using critical theoretical tools. This course offers an abstract and contextual study of the way various trends in contemporary popular culture relate to larger, social issues. Topics include an historical overview of critical social theory, and the ways gender, race, and youth are articulated in popular music, film, and television. Social, Cultural, and Historical Understanding.

Prerequisite: Junior or Senior standing.

3371 General Systems Theory

4 credits

An investigation of the fundamental principles that underlie this important way of thinking about the world. Topics include observation, definition, boundary, identity, relationship, process, stability, communication, information, and autopoiesis.

Prerequisite: Junior or Senior standing.

3372 Information Theory

4 credits

Information theory and its implications in human communication. Topics include difference, pattern, data, variety, rule, code,

noise, uncertainty, entropy, information, language, and complexity.

Prerequisite: Junior or Senior standing.

3381 Health Communication

4 credits

The communication of health care with a focus on physicians and other providers, health care organizations, special interest groups, and government agencies. Particular issues include social support, gender, agenda setting, persuasive health campaigns, health policy, and media.

Prerequisite: Junior or Senior standing.

4594 Senior Seminar

4 credits

This Capstone seminar requires each student to design, execute, and present a significant research project, which focuses on a specific Communication phenomenon and uses either a quantitative or qualitative methodology.

Prerequisites: Communication 2203 and 2204, one 3000-level course.

2265; 3365; 4465 Special Topics in Communication

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internship in Communication

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Communication

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

COMPUTER SCIENCE

Professors Rosenzweig and Simonelli (Department Chair); Assistant Professors Hamblen, Miner More, and Naumov; Lecturer Boner.

Areas of interest: Professor Miner More: cryptography and computer and network security protocols; Professor Naumov: logic and its applications in computer science, including non-classical logics, proof complexity, type theory, programming language semantics, automated deduction, and formal verification.

Computer science is the study of problem-solving using algorithms. It encompasses a variety of topics, some of which overlap with disciplines of mathematics, logic, linguistics, philosophy, and engineering. True to the liberal arts tradition of the college, the computer science program emphasizes fundamental aspects of the discipline that develop critical thinking. It provides a solid foundation for graduate studies or a career in software development.

The major in computer science is designed to present students with the concept of an algorithm on four different levels. The Discrete Mathematics course provides a mathematical foundation for the study of this concept. The notion of algorithm first appears in The Art of Programming course, where algorithms are expressed in a language understandable by computers. The Computer Organization course addresses the way programs are internally processed by the machines. The Data Structures and Algorithms courses advance from programs in a specific programming language to a more general paradigm of a language-independent algorithm on abstract data structures. The Theory of Computation course concludes the required sequence with a general discussion of what an abstract computing device is and what classes of problems can and can not be solved algorithmically. The electives are designed to provide exposure to some of the areas of computer science not presented in the required sequence and to introduce students to the research interests of the individual faculty members.

The major requirements include a strong mathematical component. In addition, quantitative reasoning and mathematical rigor are stressed throughout the Computer Science curriculum. The department also offers a dual major in Computer Science and Mathematics. See the Dual Major section of the Catalog.

The minor in Computer Science is designed for students who want to supplement their major area of specialization with a strong set of computer skills that might be useful in their major. The minor is less mathematically demanding than the major.

The Art of Programming and Discrete Mathematics courses together serve as a gateway to the program. Students interested in pursuing either a major or a minor should plan to take these courses as soon as they can, preferably during the first year.

MAJOR IN COMPUTER SCIENCE (48 HRS.)

CSC 1106 The Art of Programming
CSC/MAT 1109 Discrete Mathematics
CSC 2209 Computer Organization
CSC 2217 Data Structures
CSC/MAT 3314 Theory of Computation
CSC 3317 Algorithms

At least three additional four-credit courses in

Computer Science, 2000 level or above
(excluding CSC 2295 and CSC 3395)
CSC 4494 Senior Project (4 hr.)
MAT 1118 Calculus II

At least one additional Mathematics course,
2000 level or above (excluding MAT 2242,
MAT 3342, MAT 2295, MAT 3395, and
MAT 4495)

Suggested first semester schedule:

First-year seminar in Computer Science or
Mathematics
CSC/MAT 1109 Discrete Mathematics
MAT 1118 Calculus II (or placement)
English Composition or Foreign Language

MINOR IN COMPUTER SCIENCE (24 HRS.)

CSC 1106 The Art of Programming
CSC/MAT 1109 Discrete Mathematics
CSC 2209 Computer Organization
CSC 2217 Data Structures

At least two additional four-credit courses in Computer Science, 2000 level or above (excluding CSC 2295 and CSC 3395)

Computer Science Course Descriptions (CSC)

1104 Bits and Bytes

4 credits

Introduction to algorithmic thinking through a survey of different branches of computer science. Possible topics include: puzzle solving using a computer, functional programming, Euclidean algorithm, sorting, root-finding, binary notation, digital circuits, finite and cellular automata, error-correction, encryption, compression, artificial neural networks, and genetic algorithms. The programming language used in this course is different from the language used in Computer Science 1106.

Prerequisites: Placement above Mathematics 1002.

Quantitative Reasoning.

This course does not satisfy any requirement for the Computer Science major or minor.

1106 The Art of Programming

4 credits

An introduction to the use of algorithms for problem solving. The course will focus on finding algorithmic solutions for a given problem and expressing these solutions in a programming language. This course includes a laboratory.

Prerequisites: Placement above Mathematics 1002.

Quantitative Reasoning.

1109 Discrete Mathematics

4 credits

An introduction to mathematical reasoning, discrete structures, and foundations of algorithm analysis. Possible topics include propositional and predicate logic, proof techniques including mathematical induction, recurrences, sets, relations, pigeonhole principle, combinatorics, graphs, discrete probability, and number theory.

Prerequisites: Placement above Mathematics 1002. Co-requisite: Mathematics 1107 or placement.

Quantitative Reasoning.

Cross-listed with Mathematics 1109.

2209 Computer Organization

4 credits

Introduction to interaction between software and hardware levels in modern computers. Possible topics include Moore's law, von Neumann architecture, data representation, error correction, digital circuits, CPU design, memory, input/output, file systems, data compression, operating systems, virtual machines, and programming tools.

Prerequisite: Computer Science 1106.

Recommended: Computer Science/Mathematics 1109.

2210 Numerical Methods

4 credits

An introduction to numerical methods for solving problems from calculus and linear algebra, including the solution of a single nonlinear equation, the solution of linear systems, interpolation and approximation, differentiation and integration, and the solution of eigenvalue problems.

Prerequisites: Computer Science 1106 and Mathematics 1118.

Cross-listed with Mathematics 2210.

2217 Data Structures

4 credits

Study of data structures, recursion, searching and sorting algorithms. Introduction to complexity analysis of algorithms using Big-Oh notations.

Prerequisites: Computer Science 1106 and Computer Science/Mathematics 1109.

3306 Principles of Database Systems

4 credits

This course examines the underlying concepts and theory of database management systems. Topics include database system architectures, data models, query languages, conceptual and logical database design, physical organization, and transaction management. The entity relationship model and relational model are investigated in detail, object-oriented databases are introduced, and legacy systems based on the network and hierarchical models are briefly discussed. Mappings from the conceptual level to the logical level, integrity constraints, dependencies, and normalization are studied as a basis for formal design. Theoretical languages such as the

relational algebra and the relational calculus are described, and high-level languages such as SQL and QBE are discussed. An overview of file organization and access methods is provided as a basis for discussion of heuristic query optimization techniques. Finally, transaction-processing techniques are presented with a specific emphasis on concurrency control and database recovery.

Prerequisites: Computer Science 1106 and Computer Science/Mathematics 1109.

3305 Artificial Intelligence

4 credits

The study of computer algorithms inspired by nature and algorithms imitating human reasoning. Possible topics include: heuristic search, neural networks, genetic algorithms, expert systems, fuzzy logic, automated theorem proving, and data mining.

Prerequisite: Computer Science 2217.

3311 Principles of Data Communication Networks

4 credits

This course provides an introduction to the fields of data communications and computer networks. The course covers the principles of data communications, data transmission concepts, communications equipment, circuit control and line sharing techniques, physical and data link protocols, common carrier services and data networks, and the mathematical techniques used for network design and analysis. Potential topics include analog transmission and digital signaling; channel capacity; synchronous and asynchronous transmission and EIA physical layer interface standards; FDM, TDM, and STDM multiplexing techniques; inverse multiplexing; analog transmission; the V series modems standards including TRIB; digital transmission; PCM encoding and T1/T3 transmission circuits; error detection and error correction techniques; data link layer protocols; data compression algorithms; common carrier services, facilities, and regulatory requirements; circuit, message, packet, and cell switching techniques, including discussion of packet switched networks, ISDN, frame relay, ATM, and HY IP protocol; network optimization algorithms; reliability and availability and queuing analysis topology optimization techniques; and circuit costing.

Prerequisite: Computer Science 2217.

3314 Theory of Computation

4 credits

This course studies the abstract models of machines and languages recognized by them, and introduces the concept of computability. This course not only serves as the theoretical foundation of computer science, but also has wide application to programming languages linguistics, natural language processing, compiler design, and software design. Topics include finite automata and regular languages, pushdown automata and context-free grammars, grammar transformations and normal forms, Turing machines and computable functions, and unsolvable problems including the halting problem.

Prerequisite: Computer Science/Mathematics 1109 or Mathematics 2224. Recommended: Computer Science 2217.

Cross-listed with Mathematics 3314.

3315 Principles of Computer Graphics

4 credits

This course examines the basic principles of computer graphics. It includes both 2-D and 3-D graphics principles but falls short of producing realistic rendering. It focuses on the mathematics and theory behind 2-D and 3-D graphics rendering. Topics include: graphics display devices, graphics primitives, 2-D and 3-D transformations, viewing and projection, color theory visible surface detection and hidden surface removal, lighting and shading, object definition, and an introduction to scene graphs.

Prerequisites: Computer Science 2217 and Mathematics 2218.

3317 Algorithms

4 credits

Advanced study of tree and graph algorithms and algorithm complexity. Introduction to computational complexity classes P and NP.

Prerequisite: Computer Science 2217.

4406 Principles of Programming Languages

4 credits

A survey of programming language concepts, functional languages, logical programming, and programming language semantics.

Prerequisite: Computer Science 2217.

Recommended: Computer Science/Mathematics 3314.

4413 Modern Cryptography

4 credits

An introduction to data encryption and authentication in the modern age. The course covers both symmetric-key and asymmetric-key protocols. Topics may include block ciphers, pseudorandomness, message authentication codes, digital signatures, key distribution, and cryptanalysis. The course emphasizes mathematical rigor, including formal definitions of security goals and proofs of protocol security.

Prerequisites: Computer Science 1106 and

Computer Science/Mathematics 1109.

Recommended: Computer Science/Mathematics 3314.

4494 Senior Project

4 credits

A study of software development models, requirements specification, and GUI design. Student will propose, design, implement, test, and document a substantial application or write a thesis containing original work in theoretical computer science. Projects and theses will be presented in class.

Prerequisite: Senior standing.

1165; 2265; 3365; 4465 Special Topics in Computer Science

0-4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering.

Prerequisite: permission of the instructor.

2295; 3395 Internships in Computer Science

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398 Independent Studies in Computer Science

0-4 credits

Directed study for qualified students in more advanced topics in computer science theory, systems, or application areas.

Prerequisite: permission of the instructor.

CROSS CULTURAL STUDIES

Professor Leahy (Coordinator); and faculty members from the departments involved.

No major is offered in this field. If you are interested in a minor in Cross Cultural Studies, please contact Professor Leahy. The minor in Cross Cultural Studies consists of one course from each of the following four designated areas and one additional course of the student's choosing from any of the four designated areas.

A. Philosophy and Religious Studies

CCS/PHI 2202 Zen & Creativity

CCS/PHI 2219 East Asian Philosophy

CCS/REL 2222 Hinduism

CCS/REL 2224 Buddhism

CCS/PHI 2225 Phil. & Practice of Tai Chi

CCS/REL 2254 Religions of Africans & the Indigenous Americans

CCS/REL 2255 Religions of Asia

CCS/PHI/REL 3302 Classical Indian Philosophy

B. Fine Arts and Literature

CCS/MUL 2212 World Music

CCS/AHY 2229 Arts of India, China, & Japan

CCS/AHY 2241 Arts & Architecture of the African Continent & Beyond

CCS/AHY 2250 Native Amer. Arts & Architecture

CCS/AHY 3305 Sacred Architecture

CCS/THE 3337 Asian Approaches to Acting

C. History Courses, Civilization Courses, and Special Topics Courses in Foreign Cultures

CCS 1101 Intro. to Chinese Civilization

CCS 1120 Japan: Land of Contrast

CCS/FRE 1123 French-Speaking World

CCS/IDS 2215 The Arab World

CCS/HIS 2221 The Chinese Renaissance

CCS/SPA/HIS 2223 Cultural History of Latin America

CCS/HIS 2231 History of East Asia to 1600

CCS/HIS 2232 History of East Asia since 1600

CCS/HIS 3331 Gender and the Family in China

D. Social Science Courses: Anthropology, Sociology, Economics, and Political Science and International Studies

CCS/PSI 3310 Politics of Developing Areas
CCS/PSI 3317 Comp. Politics of Communist
& Post Communist Political Systems

CCS/ECO 3326 Economic Development

CCS/PSI 3333 Conflict Resolution,
Peacemaking, and Peacekeeping in Post-Cold
War World

Contact: Dr. Christianna Leahy, Political Science

Cross Cultural Studies Course Descriptions (CCS)

1101 Introduction to Chinese Civilization

4 credits

A study of the historical development of Chinese civilization through an examination of philosophies, religions, literatures, arts, politics, economics, and relations with foreign countries (especially Russia, Korea, Japan, Vietnam, and the U.S.). The role of Confucian ethic and Daoist naturalism in the formation of the Chinese value system is a focus of the course.

1120 Japan: The Land of Contrast

4 credits

A study of Japan's synthesis of Eastern and Western cultures. The focus will be on the old and the new in philosophy, religion, literature, politics, and economics.

1123 The French-Speaking World

4 credits

An examination of French-speaking countries outside of Europe – especially Africa and the Caribbean – prior to, during, and after the establishment of French colonial rule. Special attention is given to the ways different cultures have reacted, in economic, religious, sociological, artistic, and literary spheres, to the experience of French hegemony.

This course is taught in English.

Cross-listed with French 1123.

International Nonwestern; Social, Cultural, and Historical Understanding.

2202 Zen and Creativity

4 credits

A study of Zen's way of life through a close look at the Zen classics, Zen practices, and the poetry and paintings which successfully express the Zen attitude in life. The Zen view of beauty (both in nature and art) and Zen exercises such as Chinese calligraphy, meditation, and discussions of koan (paradoxes) will be included. Cross-listed with Philosophy 2202.

2203 Introduction to Hungarian Culture (Offered at the Budapest Campus)

4 credits

The aim of this course is to give students an insight into the special cultural context they will be surrounded by during their stay in Hungary, mainly through the analysis of some outstanding pieces of Hungarian literature and art.

2212 World Music

4 credits

Surveys in musical traditions other than those of the Western European-American stylistic periods.

Cross-listed with Music 2212.

2215 The Arab World

4 credits

This course will offer an introduction to and an overview of the history, culture, politics and current events of the Arab world in the Middle East and Africa. The students will also be introduced to the Arab-American community and its contribution to culture and politics in the United States. One integral part of the class is a daily discussion of current events in the Arab World, US policy toward the Middle East, the Israeli-Palestinian conflict, and the US war on terrorism.

International Western.

Cross-listed with Interdisciplinary Studies 2215.

2219 East Asian Philosophy

4 credits

A study of the history and literature of the major East Asian philosophical schools, with emphasis on the presuppositions concerning man and nature. Schools of thought which will receive special attention include Confucianism,

Daoism, Mohism, Yin-Yang, Neo-Confucianism, Zen, and Shinto. The course concludes with a comparison of the general characteristics of East Asian philosophy and Western philosophy.
Cross-listed with Philosophy 2219.

2221 The Chinese Renaissance

4 credits

Examination of the profound economic, political, social, philosophical, religious, artistic, and technological developments in the Song empire (960-1279). Readings in scholarly articles and translated primary documents will reveal a flourishing culture of subtle perception and startling achievement that resembles the European Renaissance both in many of its particulars and in its general significance for human civilization.
Cross-listed with History 2221.

2222 Hinduism

4 credits

An examination of Hinduism in history, its philosophies and mythologies, ritual practices, social structures, and ethics as well as of Hinduism in the United States. The course includes visits to Hindu institutions in the surrounding area.
Cross-listed with Religious Studies 2222.

2223 Cultural History of Latin America

4 credits

Historical and contemporary culture of Latin America.
This course is taught in English.
Cross-listed with History 2223 and Spanish 2223.
International Nonwestern; Social, Cultural, and Historical Understanding.

2224 Buddhism

4 credits

An examination of the history of Buddhism, the practices, teachings, and forms of organization of its three major traditions – Theravada, Mahayana, and Vajrayana – and the development of Buddhism in the United States. The course includes visits to Buddhist institutions in the surrounding area.
International Nonwestern; Social, Cultural, and Historical Understanding.
Cross-listed with Religious Studies 2224.

2225 The Philosophy and Practice of Tai Chi (Tai Ji)

4 credits

Theory and practice of a Chinese meditative exercise which is calisthenics, martial art, breathing exercises, dance, meditation, and prayer. Interpretations and critiques of the writings of the Daoist masters such as Lao Zi and Zhuang Zi will be included. The complete Tai Chi sequence of 108 movements will be practiced. The course emphasizes understanding the Daoist philosophy at the level of intellectual cognition as well as at the level of affective penetration and concrete experience.
Cross-listed with Philosophy 2225.

2229 Arts of India, China, and Japan

4 credits

The development of painting, sculpture, and architecture in India, China, and Japan.
Cross-listed with Art History 2229.

2230 Performance and Culture

4 credits

An examination of performance, performance history, and performance theory of non-Western cultures, including those of Asia, Africa, Native America, the Middle East, and South America. Intercultural performance will also be considered with an eye toward the global community.
Cross-listed with Theatre Arts 2230.
International Nonwestern.

2231 History of East Asia to 1600

4 credits

Survey of the history of China, Korea, and Japan, from mythical times to 1600. Although this survey outlines the individual histories of China, Korea, and Japan, it emphasizes the cultural continuities and historical interactions that have made “East Asia” a coherent cultural region: shamanism, writing systems, rituals of kingship, Buddhism, Confucianism, literature and visual arts, technological development, travel, commerce, and war.
International Nonwestern.
Cross-listed with History 2231.

2232 History of East Asia since 1600

4 credits

Survey of East Asian history from 1600 to the present. This course maps the intersections and divergences in the histories of China, Korea, and Japan during the past four hundred years, from the Japanese invasion of Korea in 1592, the global economic crisis in the seventeenth century, and the Chinese domination of the world market in the eighteenth century, to the violent encroachment on East Asia by imperialist powers in the nineteenth century, the reforms and revolutions of the turn of the twentieth century, the massive destruction during the Second World War, and the political and economic developments of recent decades. International Nonwestern.

Cross-listed with History 2232.

2241 The Arts and Architecture of the African Continent and Beyond

4 credits

A survey of the ancient and traditional arts of the African continent, including North Africa. Works will be discussed as visual reflections of the specific cultural and historical contexts in which they were created. Some consideration will also be given to the influence of these varied artistic traditions on the art and architecture of the Caribbean, America, and especially the modern European artistic traditions seen in the works of such artists as Picasso, Brawue, Matisse, and others.

International Nonwestern.

Cross-listed with Art History 2241.

Offered as needed.

2242 Art and Culture of Islam

4 credits

An investigation of the architecture, painting, and other arts of the Islamic world. Areas covered include the arts of Syria, Iran, Turkey, Medieval Spain, North Africa, Central Asia, and Moghul India.

International Nonwestern.

Cross-listed with Art History 2242.

2250 Traditional Native American Arts and Architecture

4 credits

An examination of the unique varieties of Native American cultures and the works of art

and architecture that were created from ancient times to the twentieth century. While the course examines the arts from all the Americas, emphasis will be placed on the arts of the regions now referred to as the United States and Canada.

Multicultural.

Cross-listed with Art History 2250.

2254 Religions of Africa and the Indigenous Americans

4 credits

An examination of the myths and ideas, rituals, and institutions associated with the religious traditions of prehistoric peoples and contemporary tribal peoples of Africa, and the indigenous Americans.

Cross-listed with Religious Studies 2254.

Offered as needed.

2255 Religions of Asia

4 credits

A study of the major Asian religions: Hinduism, Buddhism, Confucianism, Taoism, and Shintoism. Attention is given to origins and historical development, beliefs, practices, and institutions as well as to the manner in which Europeans and Americans have imagined religion and the East ("Orientalism").

Cross-listed with Religious Studies 2255.

3302 Classical Indian Philosophy

4 credits

A rigorous introduction to the classical Indian tradition of philosophical thought, from its roots in the Vedas and Upanishads to its systematization in the six orthodox (astika) schools. Attention is also given to the "heterodox" views of the Buddhists, the Jains, and the "materialists."

International Nonwestern; Social, Cultural, and Historical Understanding.

Cross-listed with Philosophy 3302 and Religious Studies 3302.

Offered as needed.

3305 Sacred Architecture

4 credits

A historical and systematic examination of both formal and symbolic aspects of structures built for religious purposes, along with their associated religious activities.

Cross-listed with Art History 3305.

Offered as needed.

3310 The Politics of Developing Areas

4 credits

An examination of the political, social, and economic problems of "third world" development with Latin America as the regional area of focus. The models of corporatism, bureaucratic-authoritarianism, civil-military relations, and dependency theory are applied to case studies in Argentina, Brazil, Cuba, and Peru. An examination of the role of women in development as well as the impact of development on the environment is also included. Sustainable development models are offered as an alternative to the failed attempts at development.

Cross-listed with Political Science 3310.

3317 Comparative Politics of Communist and Post-Communist Political Systems

4 credits

A comparative exploration of the historical, cultural, social, political, and economic similarities and differences in the systems of the Former Soviet Union and The People's Republic of China. Both systems attempted to implement Marxism in their systems. The failure of Marxism in the Former Soviet Union and the revision of the Marxist model in China are explored. Theoretical paradigms that attempt to predict the future of these regimes are also analyzed.

Cross-listed with Political Science 3317.

3326 Economic Development

4 credits

The theories of economic growth and development applied particularly to underdeveloped areas of the earth. The interrelationships of economic, political, sociological, historical, and technological factors in growth and development are examined.

Prerequisite: Economics 2201 or permission of the instructor.

Cross-listed with Economics 3326.

International Nonwestern.

3331 Gender and the Family in China

4 credits

Examination of the changing constructions of gender and the shifting configurations of the family, from imperial times to the present.

Primary sources (in translation) and secondary

literature together convey how changing notions of kinship, property, ritual, space, and the body have informed notions of gender in China, from the traditional courtyard house to the modern high-rise apartment.

Cross-listed with History 3331.

3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World

4 credits

This course is designed to expose students to the multifaceted nature of conflict on the inter- and intra-state levels, historically, and in the current post Cold War period. This objective will be achieved by exploring the sources, causes, and determinants of conflict, presenting the various perspectives on the genesis and the amelioration of conflict, and utilizing some case method analysis to demonstrate the life cycles of some specific conflicts and the management or resolution thereof. The cases vary each semester but have included the following: The Middle East Conflict, the Anglo-Irish Conflict, the Gulf War (and now the second war against Iraq), the war on terrorism, and the conflict in former Yugoslavia and Rwanda. The course also covers the spread of radical fundamentalist Islam as a source of conflict in the Post Cold War World and specifically with regard to the "War on Terror."

Cross-listed with Political Science and International Studies 3333.

3337 Asian Approaches to Acting

4 credits.

An approach to acting using Asian forms. These are intended to instill in the developing actor a sense of stillness, presence and containment. Students in the course will explore a formalist (outside-in) approach to acting, through practice of Tai chi, yoga, kalaripayatt and butoh. This intensive course will culminate in performance of a short play.

Prerequisites: Theatre Arts 2232 or 2234.

Creative Expression; International Nonwestern.

Cross-listed as Theatre Arts 3337.

ECONOMICS

Professors Claycombe, Milstein, J. Olsh (Department Chair), and Seidel; Associate Professor McIntyre; Assistant Professor Routzahn; Senior Lecturer Carter; Lecturer Lavin.

Areas of particular teaching interest: Professor Claycombe: industrial organization, managerial economics; Professor Milstein: intermediate and advanced accounting; Professor Olsh: economic development, history of economic thought; Professor Seidel: money and financial markets; Professor McIntyre: macroeconomics, international economics, money and financial markets; Professor Routzahn: accounting and finance; Professor Carter: marketing and management, Professor Lavin: accounting, finance, ethics and business.

Students who major in this program, in addition to acquiring a broad liberal education, prepare for careers in business and finance; for careers in government such as economic analysis, administration, and foreign service; and, by completing graduate study in a university, for professional careers in law, business, and economics. McDaniel College's Economics graduates are admitted to fine graduate schools in economics, business administration, and law. Others go directly to jobs in businesses such as banking, insurance, and manufacturing, while others secure positions in federal departments such as Labor, Commerce, FDIC, IRS, State, NSA, and Federal Reserve Board. A student may also prepare to teach social studies in public secondary schools (middle/high school).

The dual or double major of Economics and Business Administration combines the advantages of both theoretical and applied disciplines.

Other Educational Options in Economics: Dual majors with Business Administration, a Foreign Language, Mathematics, or Political Science; Pre-Legal; Teacher Certification-Secondary (middle/high school).

The Department offers five options for majors. Courses listed for these options are only minimum requirements. Students elect additional courses during the junior and senior years from this Department and others according to their interests. The Basic Major permits a maximum number of such electives.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Economics.

Please see the Dual Major section for dual majors with Business Administration, Business German, Foreign Language, Mathematics, and Political Science.

Departmental Honors

Honors students, in addition to maintaining a departmental average of 3.50, are expected to demonstrate academic leadership as evidenced by their ability to discuss economic issues and to perform research. To that end the honors students must write a senior, honors thesis (normally of four semester-hours credit).

BASIC MAJOR (44 HRS.)

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods

Four hours in Mathematics

ECO 2201 Principles of Economics

ECO 3303 Microeconomic Theory

ECO 3320 Macroeconomic Theory

ECO 4405 History of Economic Thought

Twelve hours of Economics electives at the 3000 or 4000 level

Four hours from among:

COM 1110 Public Speaking

ENG 1103 Introduction to Journalism

ENG 2208 Advanced Composition

ENG 2212 Professional Communication

ENG 3311 Writing in Professional Context

The required Capstone in Economics (which must be taken at the College) is ECO 4405 History of Economic Thought

Suggested First-Year Schedule:

BUA 1101 Principles of Acct. I

English Composition (based upon placement)

First Year Seminar

Mathematics (based upon placement) or an

Integrated Study requirement

Physical Education

NOTE:

Successful completion of Mathematics 1001 or placement above Mathematics 1001 is required before a student may register for any Accounting course or Economics 1101.

Successful completion of both Mathematics 1001 and 1002 or placement above Mathematics 1002 is required before a student may register for any courses in Economics (except ECO 1101), Mathematics, or Statistics.

MINOR IN ECONOMICS (24 HRS.)

ECO 2201 Principles of Economics
ECO 3303 Microeconomic Theory
ECO 3320 Macroeconomic Theory
Two additional four-hour Economics courses at the 3000 or 4000 level
STA 2215 Elementary Statistics for Social Science

PRE-LAW PREPARATION

Students majoring in Economics as a pre-law course of study are urged to include electives from one or more of the following fields in their programs.
Business Administration
English
History
Political Science and International Studies

Economics Course Descriptions (ECO)

1101 Introduction to Political Economy

4 credits
An introduction to economic reasoning and its application in analyzing economic problems and institutions.
Prerequisite: Mathematics 1001 or placement above Mathematics 1001.
This course is not open to students who have taken Economics 2201. It is not normally taken by majors in Economics or Business Administration.
Social, Cultural, and Historical Understanding.

2201 Principles of Economics

4 credits
The study of the economic foundations of any society: price theory – the market system, allocation of resources, and income distribution; macroeconomic theory – national income and employment, money and banking, growth, recession, inflation, and international trade.
Prerequisites: Mathematics 1001, Mathematics 1002 or placement above Mathematics 1002.
Social, Cultural, and Historical Understanding.

2205 Environmental Economics

4 credits
The study of efficient use of natural resources and protection of the environment both in the short term and the long run. Basic economic principles are developed and applied to global topics such as biodiversity, global warming, ozone depletion and sustainable development and to more local and regional ones having to do with pollution of air and water. Social, Cultural, and Historical Understanding. Cross-listed with Environmental Policy Science 2205.

3303 Microeconomic Theory

4 credits
The theory of demand, production, cost, and resource allocation in a market economy. Models of market structure are developed and various forms of market failure are analyzed. Also developed are models of risk and uncertainty and theories of factor pricing and income distribution.
Prerequisite: Economics 2201 or permission of the instructor.

3304 International Economics

4 credits
The principles of international trade and finance: study of classic trade theories, trade policy, exchange rate markets, balance of payments, trade and growth/development, open economy business cycles, international organizations, and exchange rate policy.
Prerequisite: Economics 2201 or permission of the instructor.
Offered in 2008-2009 and alternate years.
International Western.

3305 American Economic History

4 credits
This course is an interdisciplinary one which will use economic methods to analyze and interpret various episodes in U.S. History. Topics to be covered will include: colonial and antebellum money and banking; productivity growth and the secular change to manufacturing economy; slavery; the Civil War; growth of railroads; the gold standard; and the Great Depression.
Prerequisites: Economics 1101 or Economics 2201.
Offered in 2007-2008 and alternate years.
Social, Cultural and Historical Understanding.

3318 European Economic History

This course will examine various issues in the evolution and development of the European economy from the middle ages to the early 20th century. Central topics to be explored include trends in population and income growth, agricultural productivity and land redistribution, industrialization, and the evolution of international monetary arrangements, and the economic aspects of the varied political and religious systems and conflicts observed in Europe since the Middle Ages.

Prerequisite: Economics 1101 or Economics 2201 Social, Cultural, and Historical Understanding.

3320 Macroeconomic Theory

4 credits

The study of national income and price determination, growth, and business cycles; the consumption/leisure tradeoff, expectations and dynamic decision making, asset markets and investment, nominal frictions, and the role of fiscal and monetary policy.

Prerequisite: Economics 2201 or permission of the instructor.

3324 Managerial Economics

4 credits

The application of economic theory and quantitative methods for solving business problems. Emphasis is on analysis of demand, cost, and profit under conditions of imperfect information and uncertainty. Business pricing strategies receive special attention.

Prerequisite: Economics 2201, Statistics 2215, or permission of the instructor.

Cross-listed with Business Administration 3324.

3326 Economic Development

4 credits

The theories of economic growth and development applied particularly to underdeveloped areas of the earth. The interrelationship of economic, political, sociological, historical, and technological factors in growth and development are examined.

Prerequisite: Economics 2201 or permission of the instructor.

Cross-listed with Cross Cultural Studies 3326. International Nonwestern.

3327 Industrial Organization and Public Policy

4 credits

Study of structure, conduct, and performance of industry in the United States as they pertain to the goals and effects of public policy. Emphasis is on antitrust and regulation.

Prerequisite: Economics 2201 or permission of the instructor.

Offered in 2007-2008 and alternate years.

3387; 4487 Reading List

1; 1 credit

Open only to students declaring Economics or Business Administration as a major. Reading is completed during the summer and tested by examination.

4310 Money and Financial Markets

4 credits

The study of the financial sector and its importance: market structure and financial instruments, asset pricing and interest rate determination, the operations and behavior of banks and other financial institutions, money-creation and central banking, and the interrelationship between money and financial markets and the macro economy.

Prerequisite: Economics 2201 and senior standing, or invitation of the instructor.

4312 Mathematical Economics

4 credits

This course deals with the application of basic mathematical principles and methods to various types of economic problems, including (1) the mathematical representation of basic economic principles and theories through economic models, (2) the use of matrix algebra in economic analysis, (3) the elements of calculus used in marginal analysis and the economic principles of unconstrained and constrained maximization and minimization and, (4) the application of differential and difference equation models in the study of economic growth.

4405 The History of Economic Thought

4 credits

The development of economic theory from ancient times to the present. Contributions of Greece, Rome, and the Middle Ages; major emphasis on mercantilism and nineteenth- and

twentieth-century economic analysis.

Prerequisite: Economics 2201 or permission of the instructor.

4490 Senior Thesis

1-4 credits

Directed individual research and writing.

Open only to Economics majors. Honors students are normally expected to register for 3-4 semester hours.

Prerequisite: Economics 2201 or permission of the instructor.

4491, 4492 Economics and Business Administration Colloquium

1, 1 credit

Readings and group discussion. Significant works in economics and business administration are read and analyzed.

Prerequisite: Economics 2201 or permission of the instructor. This course is open to all senior Economics majors.

Cross-listed with Business Administration 4491, 4492.

2265; 3365; 4465 Special Topics in Economics

0-4 credits

The study of a selected topic in the discipline.

Different topics are chosen for each offering.

Prerequisite: Economics 2201 or permission of the instructor.

2298; 3398; 4498 Independent Studies in Economics

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

EDUCATION

Professors Coley, Fennell (leave of absence, 2006-2008), Reiff, and Zirpoli; Associate Professors Craig, Laird, Kerby, K'Olewe, Medina, D. Miller, Orza, and Schlossberg; Assistant Professors Russell and Rust, Visiting Associate Professor Trader (Department Chair); Lecturers Pudans-Smith and Reichelt;

Coordinator of Field Placement Travetto.

Areas of particular teaching interest: Professor Coley: diagnosis and remediation of reading disabilities, comprehension development; Professor Fennell: elementary and middle school mathematics, curriculum, and assessment; Professor Reiff: exceptional children; Professor Zirpoli: behavior management, Target Community and Educational Services, Inc.; Professor Kerby: media/library science, young adult non-fiction; Professor K'Olewe: curriculum and instruction, teaching in secondary schools; Professor Miller: reading assessment and instruction, reading difficulties – prevention, intervention, and remediation; Professor Orza: counseling psychology, empathy and counselor education; Professor Rust: Deaf education/ASL and Deaf Studies; Professor Schlossberg: counseling psychology; Professor Craig: reading assessment and instruction, reading difficulties – prevention, intervention, and remediation; Professor Laird: ASL specialist, ASL and Deaf Studies counseling; Professor Medina: psychological foundations of education, diversity, special education; Professor Pudans-Smith: ASL specialist, ASL and Deaf Studies, Language of ASL; Professor Reichelt: counseling and family systems; Professor Trader: educational policy, curriculum and instruction; Professor Russell: Special Education; Professor Travetto: Professional Development Schools, field placement, counseling, physical education.

Education Minor Program Requirements

McDaniel College, recently accredited by the National Council for the Accreditation of Teacher Education (NCATE), has provided programs for teacher preparation and certification for over 110 years. Although the College has never had a major in education, it does offer minors in elementary, secondary, and PK12 education. Students who complete the minor in elementary education, secondary education, or PK12 art, music, or physical education are eligible for initial teacher certification in the State of Maryland (and the more than 45 states involved in the Interstate Reciprocity Agreement) in either elementary (grades 1-6), secondary (grades 7-12), or PK12 art, music, or physical education. All of the teacher education programs are fully approved

and accredited by the Maryland State Department of Education. Note that course requirements for the education minor are subject to change reflecting Maryland State Department of Education certification regulations and accreditation requirements.

The Education faculty are committed to the department mission “to prepare knowledgeable, caring, reflective practitioners to facilitate learning for all students in a diverse and technological society.” Students preparing to teach at the secondary level (middle or high school) select a major in their field such as Biology, English, Music, etc; students desiring certification to teach at the elementary level (grades 1-6) may select any major, usually one which supports the field such as Communication, English, History, Mathematics, Sociology, or Psychology. Students receive certification in elementary education or the following secondary education fields: art, biology, chemistry, English, French, German, instrumental or vocal music, mathematics, physical education, physics, social studies, or Spanish.

The Professional Year

Each student is required to complete his/her final two internships over two consecutive semesters in a Professional Development School (PDS). This state requirement consists of a minimum of 100 days over two consecutive semesters. Students must take their final methods course the semester prior to the semester they intend to complete a 12-credit student teaching internship. During the student teaching semester, elementary education students complete 12 credits of student teaching at the primary and/or intermediate grade levels. Secondary education students complete 12 credits of student teaching at the middle and high school levels. PK12 certification students complete 12 credits of student teaching at the elementary and secondary levels.

All coursework should be planned so that one semester of the senior year may be kept entirely free for student teaching.

A long term substitute job or teaching on a provisional certificate will not fulfill this requirement of the student teaching internship.

Consideration for an extension to complete certification coursework.

The intent of providing an opportunity for completion of certification course work beyond graduation is to give students additional time in the event of unforeseen circumstances or personal issues. Consideration for this extension is at the discretion of the Education department. The following must be met:

- The student must have been admitted to the education minor prior to the beginning of the second semester, junior year, and
- The student must be in good standing with regard to eligibility to student teach or program completion.

If interested in education, make advisory contact with any of the following faculty members during the first semester you are on campus:

Elementary Education: Dr. Sharon Craig, Associate Professor, or Dr. Janet Medina, Associate Professor

Secondary or PK12 Education: Dr. Ochieng' K'Olewe, Associate Professor, or Dr. Janet Medina, Associate Professor

Transfer students must seek and consult with Dr. Janet Medina in the education department during their first months on campus to determine eligibility for admission into the minor.

Education Minor Requirements:

1. All Education minors must have an Education Department advisor.
2. Plan to complete a major in a field offering content appropriate for a minor in education. See the various department headings in this catalog.
3. Complete and pass Praxis I tests in Reading, Writing, and Mathematics prior to the spring semester of the sophomore year.
4. Expect to spend at least 2 to 2.5 hours, twice a week in a school-based internship during semesters in which you are completing Education courses, except EDU 1111 or EDU 1141.
5. All major and General Education courses must be completed prior to the student teaching semester.
6. Meet the following program requirements:
 - a) To be formally admitted into the Education minor, students must complete EDU 1111 or EDU 1141 and EDU 2240 (secondary and PK12 education) or EDU

- 2015 (elementary education) with a grade of “C” or better, complete and pass Praxis I tests in reading, writing, and mathematics, and complete a candidacy application. PRAXIS I scores must be submitted to the education department by January 1 prior to the spring semester or August 1 prior to the fall semester. Note that EDU 1111 is a first-year seminar and that EDU 1141 should be completed in the spring of the first year or the fall of the sophomore year. Students must have sophomore standing to enroll in EDU 2240 or EDU 2015. Note that EDU 1111 or 1141 is a prerequisite for EDU 2240 or EDU 2015.
- b) In order to enroll for any EDU 3000-level courses, students must be formally admitted to the education minor.
 - c) Candidates for the education minor must complete an approved education Jan Term internship in an ethnically diverse classroom setting.
 - d) Students must earn a grade of “C” or better in all EDU prefix courses and all other certification requirement courses, which are those courses listed in this catalog under the headings of the Teacher Certification for each area of major study. Note: students who earn a C- or lower in any course required for certification must repeat the course in order to continue in the minor.
 - e) All students are required to have a criminal background record check through fingerprinting and disclosures prior to any school-based internship. Notification disclosures must come directly to McDaniel College, Education Department. All notifications will be reviewed by the department as a condition of participating in a school-based internship.
 - f) A formal application, interview, and minimum GPA of 2.75 in the major and overall are required for admission to the student teaching semester. All student teaching placements will be in a Professional Development School (PDS).
 - g) Passing scores on the Praxis II, attendance at all student teaching seminars and the successful completion and presentation of an exit portfolio are the culminating

activities required for eligibility for Maryland teacher certification.

MINOR IN ELEMENTARY EDUCATION (65 HRS.)

Required:

- PSY 1106 Introduction to Psychology
- EDU 1141 Teaching and Learning in a Diverse Society (not before spring first year) or EDU 1111 Learning in a Diverse Society (First Year Seminar)
- EDU 2015 Processes and Acquisition of Reading (includes practicum)
- EDU 2115 Field Practicum [2 hours, twice a week]
- EDU 3324 Balanced Reading Instruction and Materials (includes practicum)
- EDU 3124 Field Practicum [2.5 hours, twice a week]
- EDU 3312 Teaching Science and Social Studies - Elementary School (includes practicum)
- EDU 3112 Field Practicum [2.5 hours, twice a week]
- EDU 3314 Teaching Elementary School Mathematics (includes practicum)
- EDU 3114 PDS Field Practicum [2.5 hours, twice a week]
- EDU 4205 Assessment of Reading Instruction (includes practicum)
- EDU 4105 Field Practicum [2.5 hours, twice a week]
- SLM 3317 Children's Literature
- MAT 1106 Finite Mathematics (Dependent on math placement)
- MAT 2242 Mathematical Structures I (Mathematics 1001, 1002 or placement above 1002)
- MAT 3342 Mathematical Structures II
- PSY 2209 Child and Adolescent Development
- HIS 2227 Development of Modern America or HIS 2225 Colonial America, 1607-1763.
- EPE 1043 Creative Rhythms and Dance (0.5 cr.)
- EPE 1070 Fundamental Motor Skills (0.5 cr.)
- Education department approved Jan term internship in an ethnically diverse classroom setting, e.g. EDU 2100 Professional Semester (12 hrs.)
- EDU 4422 Elementary Student Teaching (primary/intermediate) (6 hrs.) AND

EDU 4424 Elementary Student Teaching
(intermediate/middle) (6 hrs.) OR
EDU 4425 Elementary Student Teaching (full
semester) (12 hrs.)
Passing scores on PRAXIS I and II
Successful completion and presentation of Exit
Portfolio during student teaching semester

Recommended:

STA 2215 Statistics
MAT 3322 Geometry

MINOR IN SECONDARY EDUCATION
(32 HRS./38 HRS. with Methods)

*Note: Secondary and PK12 education minors
must complete the appropriate major in their
teaching field. There are additional courses
required for those wishing to teach Art, Biology,
Chemistry, English, Foreign Language,
Mathematics, Music, Physical Education, Physics,
and Social Studies. All secondary and PK12 edu-
cation minors should check the teacher education
course listings and the corresponding major
requirements that may appear in this catalogue.*

Required:

PSY 1106 Introduction to Psychology
EDU 1111 Learning in a Diverse Society or
EDU 1141 Teaching and Learning in a
Diverse Society (Spring only for first-year
students)
EDU 2240 Planning and Evaluating
Instruction
EDU 2140 Field Practicum [2 hours, twice a
week]
PSY 2209 Child and Adolescent Development
EDU 4417 Reading in the Content Areas -
Part I
EDU 4117 PDS Field Practicum [2.5 hours,
twice a week]

*Methods Course in the field (see below -
includes practicum)

EDU 4418 Reading in the Content Areas -
Part II (2 cr.)
EDU 4118 PDS Field Practicum [2.5 hours,
twice a week]
School-Based Internship (74 hours) offered in
January Term (2 hrs.)
Professional Semester (12 hrs.)
EDU 4432 Secondary Student Teaching -
Middle (6 hrs.) AND

EDU 4434 Secondary Student Teaching - High
(6 hrs.) or
EDU 4442 Student Teaching (P-6 Art, Choral,
Instrumental Music, or Physical Education)
EDU 4444 Student Teaching (7-12 Art,
Choral, Instrumental Music, or Physical
Education)

Passing scores on Praxis I and Praxis II
Successful completion and presentation of Exit
Portfolio during student teaching semester

**Methods Courses:*

The required methods course depends on the
area of certification. Students must have com-
pleted an Education Program Candidacy
Application and submitted passing Praxis I
scores prior to enrolling in methods courses.
These courses are offered on the following
cycle:

Courses offered Fall only:

EDU 3342 Methodology in Art - Secondary
EDU 3142 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3341 Methodology in English -
Secondary
EDU 3141 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3343 Methodology in Foreign Language
- Secondary
EDU 3143 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3344 Methodology in Mathematics -
Secondary
EDU 3144 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3340 Methodology in Choral Music -
Secondary
EDU 3140 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3346 Methodology in Instrumental
Music - Secondary
EDU 3146 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3345 Methodology in Social Studies -
Secondary
EDU 3145 PDS Field Practicum [2.5 hours,
twice a week]
EDU 3350 Methodology in Science -
Secondary
EDU 3150 PDS Field Practicum [2.5 hours,
twice a week]

EDU 3348 Curriculum Models in Secondary Physical Education
EDU 3148 PDS Field Practicum Secondary PE [2.5 hours, twice a week]

Courses offered Spring only:

EDU 3347 Methodology in Art - Elementary
EDU 3147 PDS Field Practicum [2.5 hours, twice a week]

EDU 3349 Curriculum Models in Elementary Physical Education

EDU 3149 PDS Field Practicum Elementary PE [2.5 hours, twice a week]

EDU 3351 Elementary Music Methods

EDU 3151 PDS Field Practicum [2.5 hours, twice a week]

TEACHER CERTIFICATION IN SECONDARY (GR. 7-12) SOCIAL STUDIES - REQUIRED EMPHASIS STUDY

I. Completion of the basic major in History, Political Science and International Studies, or Sociology

II. Completion of all Secondary Education minor requirements and the following required courses:

One course in Economics: ECO 1101 Intro. to Political Economy is required; note that ECO 2201 Principles of Economics is strongly recommended.

GEO 2200 Human Geography: Cultures of the Nonwestern World or GEO 2202 Cultural Geography: Non-Arabic Islamic Societies

PSY 1106 Introduction to Psychology

PSY 2209 Child and Adolescent Development

EDU 1141 Teaching & Learning in a Diverse Society or EDU 1111 Learning in a Diverse Society

EDU 2240 Planning & Evaluating Instruction (Students enrolling in EDU 2240 must have sophomore standing.)

EDU 2140 PDS Field Practicum [2.5 hours, twice a week]

EDU 3345 Methodology in Social Studies

EDU 3145 PDS Field Practicum [2.5 hours, twice a week]

EDU 4417 Reading in the Content Areas – Part I

EDU 4117 PDS Field Practicum [2.5 hours, twice a week]

EDU 4418 Reading in the Content Area – Part II

EDU 4118 PDS Field Practicum [2.5 hours, twice a week]

Semester in Education:

EDU 4432 Secondary Student Teaching (middle)

EDU 4434 Secondary Student Teaching (high)

III. Required Areas of Emphasis (One area of emphasis other than your major is required.):

A. History Emphasis (6 courses)

HIS 1105 Formation of Western Society

HIS 1106 Western Civilization II: 1700-Present

Two upper-level (2000 or above) American History courses (One course covering American History before 1865 and one course covering American History after 1865)

One Political Science course covering American (2202) or World (2204) Government (for Sociology majors)

OR

Sociology 1104 (for Political Science majors)

One Cross Cultural Studies course* (can not be from area of emphasis)

B. Political Science Emphasis (6 courses)

PSI 1101 Introduction to Political Science

PSI 2202 State & Local Government

PSI 2204 Approaches to International Relations

One course from:

PSI 2201 American Political Institutions

PSI 2207 American Public Policy

One course from:

SOC 1104 Intro. to Sociology: A Global Perspective

Societies (for History majors)

HIS 1105 Formation of Western Society or HIS 1106 Western Civilization II: 1700 - Present (for Sociology majors)

One Cross Cultural Studies course* (can not be from area of emphasis)

C. Sociology Emphasis (6 courses)

SOC 1104 Intro. to Sociology: A Global Perspective

SOC 3429 Race and Ethnic Relations in the U.S.

Two courses from:

- SOC 2202 The Family or SOC 2201 Society and the Individual
- SOC 3360 Sociology of Education
- SOC 2212 Wealth, Power, and Prestige in American Society
- SOC 2427 Gender and Society (For Political Science Majors)
- HIS 1105 Formation of Western Society or HIS 1106 Western Civilization II: 1700-Present

Or for History Majors choose one course from:

- PSI 2202 State & Local Government
- PSI 2204 Approaches to International Relations

One Cross Cultural Studies course (cannot be from area of emphasis)

TEACHER CERTIFICATION COURSE REQUIREMENTS FOR MAJORS

Art (PK12) 78 hrs.

Completion of all Secondary Education minor requirements and the following required courses:

- AHY 1113 History of Western Art I
- AHY 1114 History of Western Art II
- AHY 2240 Twentieth-Century Art
- ART 1101 Perceptual Drawing
- ART 1117 Design
- ART 2211 Sculpture
- ART 2219 Ceramics
- ART 3306 Printmaking
- ART 3313 Painting

One additional ART or AHY course [4 cr.]

EDU 3342 Methodology in Art – Secondary
EDU 3142 PDS Field Practicum [2.5 hours, twice a week]

EDU 3347 Methodology in Art – Elementary
EDU 3147 PDS Field Practicum [2.5 hours, twice a week]

Student teaching must be at both elementary and secondary levels

Biology (1-6 Elementary Certification) 113 hrs.

Completion of basic Biology major (48 hrs.)
Completion of Elementary Education minor requirements

Biology (7-12 Science) 94 hrs.

Completion of basic Biology major (48 hrs.)

Completion of all Secondary Education minor requirements and the following required courses:

PHY 1101 General Physics I

PHY 1102 General Physics II or PHY 1101 plus one semester of an Earth Science

EDU 3350 Methodology in Science

EDU 3150 PDS Field Practicum [2.5 hours, twice a week]

Business Administration (1-6 Elementary Certification) 113 hrs.

Completion of basic Business Administration major (48 hrs.)

Completion of Elementary Education minor requirements

Chemistry (1-6 Elementary Certification) 115 hrs.

Completion of basic Chemistry major (50 hrs.)

Completion of Elementary Education minor requirements

Chemistry (7-12 Science) 88 hrs.

Completion of basic Chemistry major (50 hrs.)

Completion of all Secondary Education minor requirements and the following required courses:

EDU 3350 – Methodology in Science

EDU 3150 PDS Field Practicum [2.5 hours, twice a week]

Communication (1-6 Elementary Certification) 109 hrs.

Completion of basic Communication major (44 cr.)

Completion of Elementary Education minor requirements

Computer Science (1-6 Elementary Certification) 114 hrs

Completion of basic Computer Science major (49 hrs.)

Completion of Elementary Education minor requirements

Economics (1-6 Elementary Certification) 109 hrs.

Completion of Basic Economics major (44 hrs.)

Completion of Elementary Education minor requirements

English (1-6 Elementary Certification) 113 hrs.
Completion of basic English major (48 hrs.)
Completion of Elementary Education minor requirements

English (7-12) 90 hrs.

Completion of English major for teacher certification (listed below) (52 hrs.)
Completion of all Secondary Education minor requirements
(Approved by the National Council of Teachers of English)

ENG 2211 Grammar and Usage
ENG 2212 Professional Communication
ENG 2213 Introduction to Literary Methods
ENG 2220 World Literature
ENG 2242 American Literature II or ENG 2243 American Literature III
ENG 2251 Literature by Women I or ENG 2261 Literature by Women II
ENG 2258 African-American Literature
ENG 3306 Approaches to the Study of Language
ENG 3341 British Novel I or ENG 3342 British Novel II

ENG 3350 Shakespeare
ENG 4492 Senior Seminar
SLM 3318 Adolescent Literature
An elective in English at the 3000-level
EDU 3341 Methodology in English
EDU 3141 PDS Field Practicum [2.5 hours, twice a week]

Environmental Policy and Science Major (1-6 Elementary Certification) 109 hrs.

Completion of basic Environmental Policy and Science major (44 hrs.)
Completion of Elementary Education minor requirements

Exercise Science and Physical Education (PK12 Physical Education) 111.5 - 115.5 hrs.

Completion of basic EPE major (39-43 hrs.)
Completion of all Secondary Education minor requirements and the following required courses:

EPE 2215 Adapted Physical Education
EPE 2225 Prevention and Care of Athletic Injuries
EPE 1006 Educational Gymnastics
EPE 1016 Weight Training
EPE 1043 Creative Rhythms and Dance

EPE 1039 Basic Aerobics or EPE 1045 Country Line Dancing or EPE 1047 Folk/Social Dance

EPE 1067 Archery
EPE 1069 Badminton
EPE 1070 Fundamental Motor Skills
EPE 1077 Golf
EPE 1089 Tennis
Two team activity courses from:
EPE 1071 Basketball
EPE 1076 Field Hockey
EPE 1079 Lacrosse
EPE 1086 Soccer
EPE 1087 Softball
EPE 1091 Volleyball
EPE 1092 Wallyball

EDU 3348 Curricular Models in Secondary Physical Education
EDU 3148 PDS Secondary Field Practicum [2.5 hours, twice a week]
EDU 3349 Curricular Models in Elementary Physical Education
EDU 3149 PDS Elementary Field Practicum [2.5 hours, twice a week]

Foreign Languages (French, Spanish, or German 7-12) 78 hrs.

French, Spanish, or German:
Completion of basic Language Major (40 hrs.)
Completion of all minor requirements and the following required courses:
EDU 3343 Methodology in Foreign Languages
EDU 3143 PDS Field Practicum [2.5 hours, twice a week]

History (1-6 Elementary Certification) 110 hrs.

Completion of basic History major (45 hrs.)
Completion of Elementary Education minor requirements

History (7-12)

Completion of basic History major, including two upper-level American History courses (one course covering American History before 1865 and one course covering American History after 1865)
Completion of all Secondary Education minor requirements and the Social Studies certification requirements

Mathematics (1-6 Elementary Certification)
112 hrs.

Completion of basic Mathematics major
(47 hrs)

Completion of Elementary Education minor
requirements

Mathematics (7-12) 84 hrs.

Completion of all Secondary Education minor
requirements and the following required
courses:

MAT 1118 Calculus II

MAT 2218 Linear Algebra

MAT 2219 Calculus III

MAT 2224 Fundamentals of Mathematics

MAT 3305 Introduction to Mathematical
Analysis

MAT 3310 History of Mathematics

MAT 3316 Complex Analysis

MAT 3322 Fundamental Concepts of
Geometry

MAT 4406 Abstract Algebra

MAT 4494 Capstone Experience in
Mathematics (1 cr.)

One of the following:

MAT 1109 Discrete Mathematics

MAT 3323 Probability

One mathematics course numbered above
2000 (excluding MAT 2241)

One hour of Mathematics Problem Seminar

CSC 1106 The Art of Programming

EDU 3344 Methodology in Mathematics

EDU 3144 PDS Field Practicum [2.5 hours,
twice a week]

Music (PK12)

THERE ARE TWO OPTIONS FOR
STUDENTS INTERESTED IN TEACHER
CERTIFICATION IN MUSIC.

- 1.) A four-year program culminating in a
Bachelor's Degree with a minor in Education
and Certification. STUDENTS SHOULD
BE AWARE THAT THERE ARE SIGNIFI-
CANTLY MORE REQUIREMENTS IN
MUSIC COURSES FOR THE MUSIC
WITH THE EDUCATION MINOR
THAN IN THE BASIC MUSIC MAJOR.
SEE THE FOLLOWING SECTION FOR
ALL OF THE MUSIC WITH EDUCA-
TION MINOR REQUIREMENTS.
- 2.) A five-year program culminating in a
Bachelor of Arts with a music major, and a

Master of Science in Education, and a pre-K
through 12 teaching certificate. The program
is available to undergraduate music majors
with a cumulative grade point average of
3.2 or higher. Students take graduate level
courses or their undergraduate level
equivalent during their undergraduate
course of study. The anticipated sequence
of course work is as follows:

Students take these courses prior to the final
semester of undergraduate study

EDU 1141 or 1111 (equivalent to EDU
580) Teaching and Learning in a Diverse
Society

EDU 2240/2140 (equivalent to EDU 581)

Planning and Evaluating Instruction

PSY 2209 (equivalent to PSY 503)

Students take the following graduate courses
during the final semester of their fourth
year. These are courses with undergraduate
equivalents.

EDU 617 Instructional Plans in Elementary
Music (EDU 592/Practicum)

RDG 532 Reading in the Content Area:
Part I

SOC 508 Culture and Diversity

Students will take the following courses in the
first semester of the fifth year.

PSY 510 Psychology of Exceptionality or
SED 572 Issues in Inclusive Education

EDU 594 Action Research I

SLM 521 Telecommunication and the
Internet

RDG 534 Reading in the Content Area:
Part II

EDU 618/619 Instructional Plans in
Secondary Instrumental or Choral
Methods EDU 593 – PDS Practicum

Students will do their professional semester
(student teaching) in the second semester of
the fifth year. This includes:

EDU 600 Professional Semester (K-6)

EDU 601 Professional Semester at PDS
(middle school or high school)

EDU 595 Action Research II

Completion of all Secondary Education minor
requirements and the following required
courses:

MUT 1126 An Introduction to MIDI

MUT 1131 Music Theory I

MUT 1132 Music Theory II

MUT 2201 Advanced Music Theory I
 MUT 2202 Advanced Music Theory II
 MUT 3310 Form and Analysis
 MUL 2203 Music of the Western World I
 and MUL 2204 Music of the Western
 World II or MUL 2231 Heritage of
 African-American Music I and MUL 2232
 Heritage of African-American Music II
 MUL 3100 World Music Ped.
 MUS 3311 Instrumental Conducting
 MUS 3313 Choral Conducting
 MUS 1153 String Pedagogy (1 cr.)
 MUS 1154 Woodwind Pedagogy (1 cr.)
 MUS 1155 Percussion Pedagogy (1 cr.)
 MUS 1156 Brass Pedagogy (1 cr.)
 MUS 1157 Voice Pedagogy for Singers
 (1 cr.) or MUS 1159 Voice Pedagogy for
 Instrumentalists (1 cr.)
 In addition to the theory requirements, basic
 musicianship skills (MUS 1204) must be
 satisfied prior to taking Music courses at
 the 3000 level or higher.
 Eight hours of aural skills (as needed for
 proficiency)
 Six hours of piano (as needed for proficiency)
 or MUS 1201 Piano Competency Exam
 Two hours of guitar (as needed for proficiency)
 or MUS 1203 Guitar Competency Exam
 Two hours of voice (as needed for proficiency)
 or MUS 1202 Voice Competency Exam
 Eight hours of applied music lessons, one
 major instrument preferred*
 Participation in a Department musical per-
 formance group each semester in residence
 Attendance at a minimum of five (5)
 Departmentally sponsored concerts or
 recitals per semester.
 Capstone – One public recital (MUS 4205)
 *Six of the eight credits in applied music
 lessons must be on the student's major
 instrument or voice. The three semesters
 prior to and including the semester of the
 senior recital must include applied study
 on the major instrument (the instrument
 of the recital). Transfer students must
 complete four of the eight required
 applied credits in their program on their
 major instrument and perform their sen-
 ior recital at the College.

EDU 3340 Methodology in Choral Music
 EDU 3140 PDS Field Practicum [2.5 hours,
 twice a week]
 OR
 EDU 3346 Methodology in Instrumental
 Music
 EDU 3146 PDS Field Practicum [2.5 hours,
 twice a week]
 OR
 EDU 3351 Methodology in Elementary
 Music
 EDU 3151 PDS Field Practicum [2.5 hours,
 twice a week]

Philosophy (1-6 Elementary Education) 105 hrs.
 Completion of basic Philosophy major (40
 hrs.)
 Completion of Elementary Education minor
 requirements

Physics (1-6 Elementary Education) 114 hrs.
 Completion of basic Physics major (49 hrs.)
 Completion of Elementary Education minor
 requirements

Physics (7-12 Science) 91 hrs.
 Completion of basic Physics major (49 hrs.)
 Completion of all Secondary Education minor
 requirements and the following required
 courses:
 CSC 1106 The Art of Programming
 EDU 3350 Methodology in Science
 EDU 3150 PDS Field Practicum [2.5 hours,
 twice a week]

*Political Science and International Studies
 (1-6 Elementary Education) 107 hrs.*
 Completion of basic Political Science major
 (42 hrs.)
 Completion of Elementary Education minor
 requirements

*Political Science and International Studies
 (7-12 Social Studies) 76 hrs.*
 Completion of basic Political Science major
 (42 hrs.)
 Completion of all Secondary Education
 minor requirements and the Social Studies
 certification requirements
 CSC 1104 Bits and Bytes recommended

Psychology (1-6 Elementary Certification) 105 hrs.

PSY 1106 Introduction to Psychology

PSY 2201 Psychology of Learning and Animal Laboratory or

PSY 2215 Cognitive Psychology and Cognitive Laboratory

PSY 2209 Child and Adolescent Development

PSY 2223 Psych. Methods and Statistics I (lab included)

PSY 2224 Psych. Methods and Statistics II (lab included)

PSY 2211 Psychology of Abnormality

Three additional elective Psychology courses in addition to a capstone course.

One capstone course or independent research conducted under the supervision of a faculty member. At least one capstone course is offered as seminar each semester. The topics are determined by both faculty expertise and student interest.

Completion of Elementary Education minor requirements

Recommended:

BIO 1111 Principles of Biology I or BIO 1118 Human Biology

SOC 1104 Introduction to Sociology: A Global Perspective

CSC 1104 Bits and Bytes or CSC 1106 The Art of Programming

Religious Studies (1-6 Elementary Education) 107 hrs.

Completion of basic Religious Studies major (42 hrs.)

Completion of Elementary Education minor requirements

Social Work (1-6 Elementary Education) 109 hrs.

Completion of basic Social Work major (44 hrs.)

Completion of Elementary Education minor requirements

Sociology (1-6 Elementary Education) 107 hrs.

Completion of basic Sociology major (42 hrs.)

Completion of Elementary Education minor requirements

Sociology (7-12 Social Studies) 80 hrs.

Completion of basic Sociology major (42 hrs.)

Completion of all Secondary Education minor requirements and the Social Studies certification requirements

CSC 1104 Bits and Bytes recommended

EDU 3345 Methodology in Social Studies

EDU 3145 PDS Field Practicum [2.5 hours, twice a week]

Theatre Arts (1-6 Elementary Certification) 111 hrs.

Completion of basic Theatre Arts major (42 hrs.)

Completion of Elementary Education minor requirements

THE/EDU 3001 Teaching Theatre to Young People

All dual majors also offer 1-6 Elementary Certification

Education Course Descriptions (EDU)

1111 (FR) Learning in a Diverse Society

4 credits

An overview of education in the U.S. including an introduction to the role of various personnel in the school environment. The cognitive, affective, and psychomotor characteristics, as well as the personal, social, and moral development of school-age students are identified and explored with an emphasis on the class' own experiences in education. Topics include self-concept, motivation, ethics, mainstreaming, communication skills, at-risk populations, standardized tests, and multiculturalism, as they relate to today's diverse learning environments.

1141 Teaching and Learning in a Diverse Society

4 credits

An overview of education in the United States, including identification of pupil characteristics at all three educational levels: elementary, middle, and high school. The course includes psychology of teaching and learning, related educational foundations, and a research-based introduction to current issues in education. This course places a strong emphasis on understanding how students differ in their approaches to learning and creating instructional opportunities that are adapted to diverse learners in

order to meet individual needs. Incorporation of selected multimedia and technology and structured observations in elementary and secondary schools are included.

Note: This course EDU 1141 should be completed in the spring of the first year or the fall of the second year at McDaniel College.

Social, Cultural, and Historical Understanding.

2015 Processes and Acquisition of Reading

4 credits

Examines the acquisition of reading, the foundations of reading development, and the interactive nature of the reading process. The course content addresses cognitive development, language processes, phonological awareness, phonics, and vocabulary knowledge in relationship to literacy acquisition. Candidates also explore the three purposes for reading and various text formats within a comprehensive balanced literacy program. A two-hour, twice a week practicum for the semester in an elementary school is the field experience for this course.

Prerequisite: Education 1111 or 1141, sophomore status. This course is for Elementary Education students only. Co-requisite: EDU 2115 Field Practicum.

2240 Planning and Evaluating Instruction

4 credits

Planning and assessment for class and small group instruction is the major focus of this course. The course includes the study of long term and daily planning and the development of instructional outcomes. The course also emphasizes assessment from formative to summative and standardized to performance-based and portfolio. Students will complete a two-hour, twice a week practicum for the semester in a secondary school during the semester.

Prerequisites: Education 1111 or 1141, sophomore status. This course is for Secondary Education or PK12 education students only. Co-requisite: EDU 2140 Field Practicum.

2232 Bilingual Special Education

4 credits

A survey course that addresses the basic issues surrounding the teaching and learning of culturally and linguistically diverse exceptional

learners. Topics concerning bilingual special education will be covered including: premises of bilingual/multicultural/special education; culture and acculturation; native language development, second language acquisition, and language assessment; general assessment; referral and diagnostic process; federal and state laws; individualized education programs (IEP's), curriculum development; inclusion and mainstreaming; consultation services; and parental involvement.

Prerequisite: Education 1111 or 1141 or permission of the instructor.

3001 Teaching Theatre to Young People

4 credits

Study of the specific methods for the teaching of Theatre Arts to young people, including classroom management techniques involving theatre games, and ways to develop performances based on curriculum material. Students will learn exercises and games designed to teach young people the skills for performing live theatre. Topics include instructional objectives, teaching strategies, parent/teacher communication, and evaluation techniques. Field experience includes a six-week practicum or after school classes (in association with Theatre on the Hill Jr.) during the second half of the semester.

Cross-listed with Theatre Arts 3001.

3312 Teaching Science & Social Studies in the Elementary School

4 credits

Current trends in science and social studies for the elementary school level with an emphasis on student involvement in the learning environment are studied. Students acquire familiarity with a variety of teaching techniques and curriculum materials in these two content areas. A 2.5-hour, twice a week practicum for the semester in an elementary Professional Development School (PDS) is the field experience for this course. This course is to be completed concurrently with Education 3314.

Prerequisites: Formal admission to Education minor; Praxis I; Education 1111 or 1141, and 2015; junior status. Co-requisite: EDU 3314 Teaching Elementary School Mathematics, EDU 3112 Field Practicum.

3314 Teaching Elementary School Mathematics

4 credits

A focus on pedagogical issues in elementary and middle grade mathematics education. This includes an analysis of principles for mathematics teaching and learning. Important course topics include content and pedagogy related to number and operation, algebra, geometry, measurement, and data analysis and probability. The course also focuses on problem-based learning and the use of technology in instruction. A 2.5-hour, twice a week practicum for the semester in an elementary Professional Development School (PDS) is the field experience for this course. This course is completed concurrently with Education 3312.

Prerequisites: Formal admission to education minor; Praxis I; Education 1111 or 1141, and 2015; Mathematics 1106, 2242, and 3342; junior status. *Co-requisite:* EDU 3312 Teaching Science & Social Studies in the Elementary School, EDU 3114 Field Practicum.

3324 Balanced Reading Instruction and Materials

4 credits

An examination of theoretical and practical issues related to the design and implementation of a comprehensive balanced literacy program. Candidates critically analyze and implement developmentally appropriate instructional practices for phonemic awareness, phonics, comprehension, vocabulary, and fluency. The course content addresses the organization and management of balanced literacy instruction and incorporates the selection and strategic use of effective instructional materials. A 2.5-hour, twice a week practicum for the semester in an elementary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Formal admission to Education minor; Praxis I; Education 1111 or 1141, and 2015. *This course is for Elementary Education students only. Co-requisite* EDU 3124 Field Practicum.

3340-3351 Methodology in (secondary subject)

4 credits

An in-depth study of specific methods for the student's teaching field including national and state curriculum standards in the field, class-

room management techniques applicable to the discipline, and varied behavioral management strategies including affective concerns. A 2.5-hour, twice a week practicum for the semester in a secondary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Formal admission to Education minor; Praxis I; Education 1111 or 1141, and 2240. *Co-requisite for all methods courses is the Field Practicum* EDU 3140-3151.

3340 Choral Music

3341 English

3342 Art

3343 Foreign Language

3344 Mathematics

3345 Social Studies

3346 Instrumental Music

3347 Art Elementary

3348 Curricular Models in Secondary Physical Education

3349 Curricular Models in Elementary Physical Education

3350 Science

3351 Elementary Music

4205 Assessment for Reading Instruction

4 credits

An examination of research-supported informal and formal literacy assessment techniques, processes, and instruments within an interactive assessment-instruction framework. The course content incorporates administration, scoring, interpretation, and reporting procedures for a variety of assessment tools. Candidates analyze and select valid, reliable assessments to screen, diagnose, monitor progress, and measure literacy achievement. Throughout the semester, candidates apply intervention techniques and the assessment-instruction process to a case study of a struggling primary reader. A 2.5-hour, twice a week practicum for the semester at a Professional Development School is the field experience for this course.

Prerequisites: Formal admission to Education minor; Praxis I; Education 1111 or 1141, 2015, and 3324. *This course is for Elementary Education students only. Co-requisite* EDU 4105 Field Practicum.

**4417 Reading in the Content Areas:
Part I**

4 credits

An examination of essential components of the reading process, instructional frameworks, and literacy development across the curriculum. Participants will analyze reader and text factors, and develop instructional techniques for enhancing vocabulary acquisition, writing to learn, and reader-text interactions. The course content addresses text structure, instructional materials, and technological resources within the context of content literacy. Classroom observations and practicum experiences are integral components of the learning process. A 2.5-hour, twice a week practicum for the semester at a secondary Professional development school is the field experience for this course.

Prerequisites: Formal admission to Education minor; Praxis I; Education 1111 or 1141, and 2240; junior status. This course is for Secondary or PK12 Education students only.

Co-requisite EDU 4117 Field Practicum.

4418 Reading in the Content Areas II
2 credits

Extends the concepts presented in EDU 4417 Reading in the Content Areas, Part I. The course content addresses formal and informal assessment practices, instructional resources, and reading/writing techniques within the context of a secondary content classroom. Candidates will administer, interpret, and evaluate classroom and individual assessment measures and implement relevant instructional techniques in a practicum setting. A 2.5-hour, twice a week practicum for the semester at a secondary Professional Development school is the field experience for this course.

Prerequisites: Formal admission to Education minor; Praxis I; Education 1111 or 1114, 2240, 4417, senior status. This course is for Secondary or PK12 Education students only. Co-requisite EDU 4118 Field Practicum.

**4422 Elementary Student Teaching –
Primary/Half-semester – Professional
Development School Placement**

6 credits

An internship teaching in an elementary Professional Development School (PDS).

Experiences involve full-time teaching with all related planning responsibilities and the extra-curricular expectations of the classroom teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a “C” or better in all EDU program courses, completion of major requirements, completion of all the minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

**4424 Elementary Student Teaching –
Intermediate/Half-semester –
Professional Development School
Placement**

6 credits

An internship teaching in an elementary Professional Development School (PDS). Experiences involve full-time teaching with all related planning responsibilities and the extracurricular expectations of the classroom teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a “C” or better in all EDU program courses, completion of major requirements, completion of all the minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

**4425 Elementary Student Teaching –
Full Semester – Professional
Development School Placement**

12 credits

An internship teaching in an elementary Professional Development School (PDS). Experiences involve full-time teaching with all related planning responsibilities and the extracurricular expectations of the classroom teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a “C” or better in all EDU program courses, completion of major requirements, completion of all the minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

4432 Secondary Student Teaching (Middle School)

6 credits

An internship teaching in a middle level Professional Development School (PDS). Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvements of the professional teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of major requirements, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

4434 Secondary Student Teaching (High School)

6 credits

An internship teaching in a Professional Development School (PDS) at the high school level. Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvements of the professional teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of major requirements, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

4442 Student Teaching (P-6 Art, Choral & Instrumental Music, or Physical Education)

6 credits

An internship teaching in an elementary Professional Development School (PDS). Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvements of the professional teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of major requirements, completion of all minor

requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

4444 Student Teaching (7-12 Art, Choral and Instrumental Music, or Physical Education)

6 credits

An internship teaching in a secondary Professional Development School (PDS). Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvement of the professional teacher.

Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of major requirements, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

2295; 3395; 4495 Internships in Education

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Education

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

2115; 3124; 3112; 3114; 4105 Field Practicum

0 credits

A 2 to 2.5-hour, twice a week practicum for the semester at a Professional Development School is the field experience. (These are for elementary education students only.)

2140; 3140-3151; 4117; 4118; Field Practicum

0 credits

A 2 to 2.5-hour, twice a week practicum for the semester at a Professional Development School is the field experience. (These are for secondary and PK12 education students only.)

ENGLISH

Professors Dalton, Mangan (Department Chair), Panek, and Regis; Associate Professors Bendel-Simso, R. Carpenter, and Kachur; Assistant Professors Davis, Dobson, Jasken, and Ursin; Senior Lecturers S. Seibert and Spence; Visiting Lecturer: Kiene; Adjunct Lecturers Breslin, Dunn, Kohl, Myers and Ord.

Areas of particular teaching interest: Professor Bendel-Simso: 19th- and 20th-century American literature, southern literature; Professor Carpenter: modern British literature, Victorian literature, colonial/post-colonial literature and theory; Professor Dalton: journalism; Professor Davis: Chaucer, Medieval literature, allegory, and drama; Professor Dobson: rhetoric, literary non-fiction, and advanced writing; Professor Jasken: professional and electronic communication; Professor Kachur: 18th- and 19th-century British literature; Professor Mangan: creative writing, American literature, women's literature; Professor Panek: Shakespeare, renaissance literature, popular literature; Professor Regis: colonial and 19th-century American literature, the novel, popular literature; Professor S. Seibert: composition; Professor Spence: English as a second language, grammar; Professor Ursin: American and African American literature, historical fiction, and literature of the black diaspora.

The English Department strives to equip our students to read and think critically and creatively and to express themselves in lucid speech and writing. We accomplish this by encouraging students to read a broad variety of literatures in English in their historical, social, cultural, political economic, and psychological contexts. Our goal is to foster reflective, dedicated, lifelong learners.

The study of English has enabled graduates to succeed in advanced study in a variety of fields, and to pursue a broad range of career paths, including teaching at all levels, journal-

ism, professional writing, business, library science, social work, government service, public relations, and law.

Other Educational Options in English: Minors in Literature, Writing, and Journalism.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in English.

Please see the Dual Major section for dual majors with Communication, History, Political Science, and Theatre Arts.

Departmental Honors

To receive Honors in English, a student must

- Have a grade point average of 3.50 or above in all courses taken in the major;
- Earn an "A" in ENG 4492 and an "A" on the seminar project or paper; and
- Have the recommendation of the English department.

BASIC ENGLISH MAJOR (48 HRS., 16 of which must be 3000-level courses)

1. Two courses in critical and analytical approaches to literature:
ENG 2213 Introduction to Literary Methods and Critical Approaches
ENG 4492 Senior Seminar
2. One 4-credit writing course in English above the 1000 level
3. One course on the nature and structure of language, from
ENG 2211 Grammar and Usage
ENG 3306 Approaches to the Study of Language
4. Two British literature courses, one of which must be about British literature before 1660.
5. One course about American literature
6. One course that examines a historically underrepresented literature, from
ENG 2250 Post-Colonial Literature
ENG 2251 Literature by Women I
ENG 2258 African-American Literature
ENG 2261 Literature by Women II
ENG 2264 Historical Novels of the Black Diaspora
And selected ENG 2265, 3363, 3364, and 3381 offerings
7. Four electives in literature, English language, or writing above the 1000 level

Please see course listing below or the

English department Web site
(<http://www.mcdaniel.edu/3399.htm>) for a
complete listing of elective courses.

MAJOR FOR TEACHER CERTIFICATION IN ENGLISH (52 HRS.)

(Approved by the National Council of Teachers
of English)

ENG 2211 Grammar and Usage
ENG 2212 Professional Communication
ENG 2213 Introduction to Literary Methods
ENG 2220 World Literature
ENG 2242 American Literature II or ENG
2243 American Literature III
ENG 2251 Literature by Women I or ENG
2261 Literature by Women II
ENG 2258 African-American Literature
ENG 3306 Approaches to the Study of
Language
ENG 3341 British Novel I or ENG 3342
British Novel II
ENG 3350 Shakespeare
ENG 4492 Senior Seminar
An elective in English at the 3000-level
SLM 3318 Adolescent Literature
EDU 3341 Methodology in English
EDU 3141 PDS Field Practicum [2.5 hours,
twice a week]

MINOR IN JOURNALISM (24 HRS.)

ENG 1103 Introduction to Journalism
ENG 2204 Advanced News Reporting and
Writing
ENG 2205 Media Ethics
ENG 2214 Editing and Desktop Publishing
ENG 2295, 3395, 4495 Internship in English
And one course chosen from
ENG 2208 Advanced Composition
ENG 2210 Media and Politics
ENG 2212 Professional Communication

Contact: Mr. Dalton

MINOR IN LITERATURE (20 HRS.)

ENG 2213 Introduction to Literary Methods
and Critical Approaches
And four literature in English electives above
the 1000 level — at least 1 of which must be
at the 3000-level.

Contact: Dr. Mangan

MINOR IN WRITING (20 HRS.)

1. Three courses in Intermediate Writing, from
ENG 2204 Advanced News Reporting and
Writing or 4 credits ENG 2215/2216
Newspaper Practicum
ENG 2206 Creative Writing – Fiction
ENG 2207 Creative Writing – Poetry
ENG 2208 Advanced Composition
ENG 2211 Grammar and Usage
ENG 2212 Professional Communication
ENG 2214 Editing and Desktop Publishing
2. One course in Advanced Professional
Communication, from
ENG 3307 Writing in Digital Environments
ENG 3308 Writing in Law and Policy
ENG 3311 Writing in Professional Contexts
ENG 2295, 3395, 4495 Internship in
English (with prior approval)
3. One course in Language or Rhetoric, from
ENG 3306 Approaches to the Study of
Language
ENG 3309 Rhetorical Approaches to
Everyday Discourse
ENG 3310 Rhetorical Approaches to
Nonfiction Literature

Contact: Drs. Dobson, Mangan, or Jasken

English Course Descriptions (ENG)

1002 College Composition

4 credits

Instruction in the organization, coherence, and
development required for college papers.
Intensive study of the conventions of written
English, including grammar, punctuation, and
sentence construction. Placement determined
by the English department.

1101 Introduction to College Writing: the Argument

4 credits

Instruction in how to write clear, correct, and
effective expository prose; practice in careful,
analytical reading of significant literature;
training in research techniques. Placement
determined by the English department.

1103 Introduction to Journalism

4 credits

A study of the news media in America, includ-
ing how they work, their strengths, weaknesses,

problems, and priorities with an emphasis on print journalism and journalists. Students also receive instruction in the art of news reporting and writing.

Prerequisite: English 1101.

English 1101 or the equivalent or permission of the instructor is a prerequisite for all English courses numbered 2000 and above, with the exception of English 2215 and 2216.

Additional prerequisites for individual courses follow their descriptions.

2204 Advanced News Reporting and Writing

4 credits

Advanced skills in news reporting and writing. Students learn and practice interviewing and other forms of news gathering and apply those methods in a variety of news and feature stories.

Prerequisite: English 1103.

2205 Media Ethics

4 credits

An examination of the various ethical dilemmas that confront members of the news media, including conflict of interest, “freebies,” invasion of privacy, reporter-source problems, advertiser and corporate pressures, and the use of deception to gather news. Students analyze and debate actual ethical quandaries and attempt to find workable solutions.

2206 Creative Writing—Poetry

4 credits

A workshop in writing poetry. Student poems will be critiqued weekly in the class workshop. Students will read and analyze modern and contemporary poetry by such authors as Robert Frost, Elizabeth Bishop, Gwendolyn Brooks, Sylvia Plath, William Stafford, and Robert Hayden.

Creative Expression.

2207 Creative Writing—Fiction

4 credits

A workshop in writing short fiction. Student writing will be critiqued weekly in the class workshop. Students will read and analyze modern and contemporary short fiction by such authors as Welty, Hemingway, O'Connor, and Oates.

Creative Expression.

2208 Advanced Composition

4 credits

Designed to support writers' development as prose stylists. Primary emphasis placed on students' own nonfiction writing – about objects, places local or distant, and people familiar or famous. Students learn to generate material, to revise prose for fluidity and grace, and to recognize how style affects readers. Students also read published literary nonfiction (profiles, literary journalism, nature writing, memoir) to learn about craft in prose, imitate the techniques of published writers, and reflect on the creative process.

Creative Expression.

2210 Media and Politics

4 credits

Examination of the “symbiotic” relationship between the news media and public officials in America. Special emphasis is placed on the interplay between the press and presidency and between the press and Congress.

Cross-listed with Political Science 2210.

2211 Grammar and Usage

4 credits

An overview of the structure of the English language, introducing the discipline of grammatical analysis. Students encounter both traditional grammar and more recent linguistic approaches and consider some current problems in the teaching of grammar in the schools.

2212 Professional Communication

4 credits

An opportunity for students to practice and think critically about communication in the workplace. Assignments will focus on writing forms and topics suitable for students' fields of major interest. Students will complete individual and collaborative projects designed to help them write clearly and effectively for audiences both within their professions and outside of them. Particular emphasis will be placed on electronic communication forms.

2255 The Short Story Cycle

4 credits

An examination of the literary genre of the short story cycle, a novel-length grouping of inter-related stories linked by character, setting, and theme. Typical American examples include Anderson's *Winesburg, Ohio*; Faulkner's *Go Down, Moses*; Welty's *The Golden Apples*; and Tan's *The Joy Luck Club*.

ENG 2256 American Poetry

4 credits

An examination of significant American poetry from colonial times to the present. Poets covered will include Bradstreet, Wheatley, Emerson, Poe, Whitman, Dickinson, Frost, Williams, Pound, and others.

Textual Analysis.

2258 African American Literature

4 credits

An examination of the African American oral and written literary legacy, tracing its history as a distinct literary tradition as well as an important part of the dominant American literary tradition. Students examine and discuss poetry, plays, short stories, essays, and novels from all literary periods.

Multicultural; Textual Analysis.

2260 Horror Fiction

4 credits

An investigation of the dark and popular world of horror fiction, with special emphasis on the Gothic tradition within British and American literature since 1764. Students examine and discuss why horror stories fascinate, and how anxieties about sexuality, the unconscious mind, scientific discoveries, social injustice, and other topics are translated into the horror literature we read.

Textual Analysis.

2261 Literature by Women II

4 credits

A survey of literature written in English by women since Mary Wollstonecraft's "A Vindication of the Rights of Women." Texts considered include poems, speeches, nonfiction, plays, short stories, and novels. Students examine selected works that explore women's evolving roles in society and the many facets of

women's unique position, experience, and perspective on the world.

Multicultural; Social, Cultural, and Historical Understanding; Textual Analysis.

2262 The Arthurian Tradition

4 credits

This course investigates the major traditions of Arthurian literature from the Middle Ages to Monty Python. Students will focus on the medieval development of the myth of Arthur in Celtic, Latin, and French texts (all read in translation), as well as in Middle English literature including *Sir Gawain and the Green Knight*, Malory's *Morte Darthur*, and medieval romance. In the second half of the course, students will examine the transformation of the Arthurian legend according to changing values of different eras by analyzing Victorian and modern adaptations such as Tennyson's *Idylls of the King*, T.H. White's *The Once and Future King*, and Marion Zimmer Bradley's feminist revision of the legend, *The Mists of Avalon*. Students will also consider the Arthurian legend in several films including *Monty Python and the Holy Grail* and *Excalibur*.
Textual Analysis.

2264 Historical Novels of the Black Diaspora

4 credits

The course focuses on novels that are set in the historical past and informed by key events, figures or periods. It examines works by African American, British and West Indian authors and queries the effect of location, time and culture (particularly religious beliefs) on characters' choices and decisions. Students will consider how cultural beliefs and historical circumstances contribute to a diversity of perspectives on race, gender, community and human responsibility. Finally, we will interrogate the relationship between the texts: Is there thematic continuity? Is the fact of dispersion, discrimination or oppression the basis of connection? What is gained or lost in analyzing these texts as part of the Black Diaspora?
International Western; Textual Analysis.

2270 Twentieth-Century British Literature

4 credits

This course surveys twentieth-century British literature and the social, cultural, and historical

circumstances in which these works of literature were produced. This course will examine literary and cultural developments including the impact of Freudian thought, the impact of the two world wars, stream of consciousness, fragmentation, *Angry Young Men*, “The Movement,” imperial devolution, and the growing diversity of British literature. Authors include a selection from among the following: Joseph Conrad, T.S. Eliot, W.B. Yeats, Siegfried Sassoon, Wilfred Owen, D.H. Lawrence, James Joyce, Virginia Woolf, W.H. Auden, Aldous Huxley, George Orwell, Stevie Smith, Phillip Larkin, Kingsley Amis, Kazuo Ishiguro, Salman Rushdie, Mark Haddon, Hanif Kureishi, Zadie Smith. Social, Cultural, and Historical Understanding; Textual Analysis.

3306 Approaches to the Study of Language

4 credits

An introduction to the principles and methods of linguistics, the study of human language as a natural phenomenon. The course begins with an examination of the foundational subfields of morphology, syntax, phonetics, phonology, and semantics, then moves on to examine historical linguistics and the development of the many dialects of modern English.

Social, Cultural, and Historical Understanding.

3307 Writing in the Digital Environment

4 credits

An exploration of the shifting expectations for writing in digital environments. Students analyze and produce Web-based writing designed for real audiences, and, in the process, address various cultural and ethical issues involved in digital communication, such as the construction of identity through word and image, the rearticulation of gender, race and class, and issues of accessibility.

Prerequisite: English 2212 or 2214.
Creative Expression.

3308 Writing in Law and Policy

4 credits

A study of the conventions of legal and analytical writing. Focused on analysis of legal problems and the presentation of findings in

forms employed by legal and paralegal professionals, attention will also be devoted to critiquing new developments in the profession. Social, Cultural, and Historical Understanding.

3309 Approaches to Everyday Discourse

4 credits

An introduction to rhetorical methods for analyzing such “texts” as speeches, editorials, advertisements, sports writing, movie reviews, and talk radio programs. Students will learn to identify patterns in everyday discourse and to recognize and explain the persuasive powers these forms exert over audiences. The course develops students as critical observers and consumers of everyday discourse.

Social, Cultural, and Historical Understanding; Textual Analysis.

3310 Rhetorical Approaches to Nonfiction Literature

4 credits

Intensive study of nonfiction prose literature including autobiography, biography, essay, journalism, and polemic. Students learn methods of textual analysis drawn from rhetoric, stylistics, and narrative theory. They also explore the relationship between “literary” and more pragmatic forms of discourse and examine the persuasiveness of narrative.

Textual Analysis.

3311 Writing in Professional Contexts

4 credits

This course focuses on the analysis and production of professional writing in context. Students consider how workplace practices and expectations help shape written products, paying particular attention to the analysis of historical moments when communication choices have had real, often disastrous, consequences. Students will develop skills in the production of technical definitions, technical descriptions, instruction sets, and project reports. They will also be exposed to theoretical texts that shed light on workplace practices and writing.

Prerequisites: English 1101 and two additional 2000-level English courses
Textual Analysis.

3341 British Novel I*4 credits*

A survey of the British novel from its beginnings in the early eighteenth century through the mid-nineteenth century. In addition to studying theories explaining the novel's relatively recent emergence as a dominant literary form, students will examine novels by DeFoe, Fielding, Richardson, Austen and others within their social, intellectual and historical contexts.

Prerequisite: English 2213 or permission of instructor.

Textual Analysis.

3342 British Novel II*4 credits*

A survey of the British novel from the Victorian era to the present day. Students address the social, intellectual, and historical contexts of significant works as well as the themes and continuing development of the form of the novel.

Prerequisite: English 2213 or permission of instructor.

Textual Analysis.

3343 The American Novel*4 credits*

This course surveys American novels from its inception, Charles Brockden Brown's *Wieland*, to the present day. Topics addressed include social, intellectual, and historical contexts, as well as theme and the developing form of the novel.

Prerequisite: English 2213 or permission of instructor.

Textual Analysis.

3350 Shakespeare*4 credits*

A survey of Shakespeare's major poetic and dramatic works. In addition to background on Shakespeare's life and the Elizabethan theatre, the early portion of the course covers the narrative poem *Venus and Adonis* and the *Sonnets*. The remainder of the course is dedicated to the study of major comedies from *Love's Labors Lost* to *The Tempest*, history plays from *Richard II* to *Henry V*, and the major tragedies.

Prerequisite: English 2213 or permission of instructor.

Textual Analysis.

Cross-listed with Theatre Arts 3350.

3360 Chaucer*4 credits*

An examination of *The Canterbury Tales*, *Troilus and Criseyde*, and the minor poems as well as focus on the influence of continental authors on Chaucer's works.

Prerequisite: English 2213 or permission of instructor.

3362 Austen*4 credits*

A study of Jane Austen's novels and juvenilia with special focus on the place of women in regency society and Austen's place in the history of the novel in English.

Prerequisite: English 2213 or permission of instructor.

Textual Analysis.

3363 Major Figures and Groups I (British)*4 credits*

An intensive study of the work of a major British writer or group of writers.

Prerequisite: English 2213 or permission of instructor.

3364 Major Figures and Groups II (American)*4 credits*

An intensive study of the work of a major American writer or group of writers.

Prerequisite: English 2213 or permission of instructor.

3381 Fiction*4 credits*

A study of British or American fiction, either in the novel or short story as a type of literary expression.

Prerequisite: English 2213 or permission of instructor.

Senior Seminar, Independent Studies, and Internships:

2265; 3365 Special Topics in English*4 credits*

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internship in English

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in English

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

4492 Senior Seminar

4 credits

The capstone to the English major emphasizes techniques and methods of literary criticism. Seniors explore different themes, genres, or topics each semester, and each prepares a major paper.

Prerequisite: Any 3000-level English course, a 2.00 GPA in major, and permission of instructor.

ENVIRONMENTAL POLICY AND SCIENCE

Affiliated Professors: Iglich (Coordinator), Claycombe, Leahy, Neal, and H. Smith; Affiliated Associate Professors Jakoby and Marx; Affiliated Assistant Professors Harrison and Semu; Adjunct Lecturers Colquhoun, Flood, Orenstein and Walker.

Areas of particular teaching interest: Professor Alspach: marine biology, comparative physiology of vertebrates and invertebrates; Professor Harrison: geology, global change climatology, environmental chemistry; Professor Iglich: ecology, environmental, botany; Professor Leahy: comparative politics of Western Europe, developing and communist nations, methodology of comparative politics; Professor Marx: physics education research, energy; Professor Neal: judicial process, political theory, and American political behavior; Professor Semu: globalization and international development, urban studies; Professor Smith:

state and local governments, public administration, national and Maryland elections; Lecturer Colquhoun: environmental policy, environmental and molecular microbiology, toxicology; Lecturer Flood: sustainability and environmental architecture; Lecturer Orenstein: GIS, biogeography; Lecturer Walker: Thoreau, environmental history and writing.

Environmental problems arise from the complex interactions between ecological and physical systems, and the social, economic, political and cultural forces that shape the world in which we live. Finding solutions to environmental problems requires well-trained scientists, researchers, policy makers, planners, resource managers, and other specialists who can understand these system interactions and who can develop solutions that draw from a variety of disciplines. To help meet this challenge, our mission is to promote environmental sustainability through an interdisciplinary academic program anchored in both the natural and physical sciences, and in the social sciences.

The Environmental Policy and Science program (EPS) was designed to offer students a liberal arts experience that addresses a diversity of environmental issues, while providing detailed training in specific fields. After graduation, students may pursue graduate studies in a number of disciplines, or follow career paths as policy analysts, science researchers, environmental consultants, environmental health specialists, urban or regional planners, science educators, or naturalists. Our graduates serve in a variety of local, state, or federal agencies, educational institutions, as well as for-profit and not-for-profit organizations.

Specializations in the EPS Major

Students majoring in EPS can choose from several program tracks including Environmental Policy or Environmental Science with an emphasis in either Biology or Chemistry.

After finishing six of the EPS core courses, students may elect one of two strategies:

- They may complete the remaining EPS major requirements, choosing additional courses from the Policy specialization or from the Science specializations as indicated below;
- They may elect to complete the major

requirements for a specific discipline, which through advisement includes selections with environmental relevancy (Political Science or Economics).

Completion of six of the core group also serves as the requirements for the Minor in Environmental Policy and Science.

Environmental Policy and Science Core Group and Minor Requirements

Core choices from Sciences:

- GSC 1131 Environmental Problem Solving
- GSC 1116 Energy and the Environment
- GSC 1117 Environmental Geology
- Or approved or approved alternate selections (i.e. Conservation Biology)

Core choices from Policy:

- PSI 2215 Environmental Policy
- PSI 1101 Introduction to Political Science
- EPS 2206 Sustainability
- Or approved or approved alternate selections

EPS 2104 Environmental Modeling:GIS

This course may fulfill either a science or policy choice.

ENVIRONMENTAL POLICY (50 HRS.)

Students shall choose six courses from the core group given above, six advanced courses, and the EPS 4494 Senior Seminar (internship or research).

Environmental Policy Major –choose 6 from the following advanced courses

EPS 2104 GIS Analysis for Management
(cannot be counted additionally as one of 6 core requirements)

EPS 2204 History of the Environmental Movement

EPS 3102 Risk in Environmental Decisions

EPS 3323 Environmental Philosophy

PSI 2201 American Political Institutions or

PSI 2202 State and Local Government

PSI 2219 Research Design and Methods

PSI 2207 American Public Policy or

PSI 3305 Public Administration

PSI 3310 Politics of Developing Areas or

SOC 2222 Global Social Change

SOC 2203 Urban Sociology

Approved upper level and EPS Special Topics courses in consultation with the EPS coordinator

Environmental Science Majors: Environmental Biology and Environmental Chemistry

ENVIRONMENTAL BIOLOGY (57 HRS.)

This specialization is for students who wish to work with biota and treats issues such as conservation and remediation, or ecosystem dynamics (including marine biology, landscape biology, and forestry). Here the emphasis is on gaining both a biological and chemical background required for most graduate programs or for employment in consulting, conservation, toxicology, or environmental regulation.

Recommended courses for Environmental Biology

In addition to the six core courses, students should take:

BIO 1111, 1112 Principles of Biology I, II (L) and

Five advanced electives in Biology at the 2000 level or higher (the selection of advanced Biology electives will be guided through advising and interest of the student). Relevant choices may include, but are not restricted to: Ecology, Environmental Health, Conservation Biology, Marine Biology, Evolution, Vertebrate Diversity, Invertebrate Biology, Botany, Parasitology, Epidemiology, Genetics, Molecular Biology, Physiology and designated special topics or additional science courses offered through EPS

EPS/CHE 2203 Environmental Chemistry or Biogeochemistry of the Habitable Planet

EPS 4494 Senior Seminar

ENVIRONMENTAL CHEMISTRY (50 HRS.)

This specialization is for those students who will be assessing the amount and impacts of pollution and the remediation of these problems. These students require a strong background in chemistry and toxicology.

In addition to the six core courses students should take:

CHE 1101, 1102 Introductory Chemistry I, II

EPS/CHE 2203 Environmental Chemistry (L)

Three Advanced Chemistry electives (the

selection of advanced Chemistry electives will be guided through advising and interest of the student) and designated special topics or additional science courses offered through EPS in consultation with the EPS advisor.

EPS 4494 Senior Seminar

The Senior Capstone Experience

Independent of the major specialization, in their final year students will undertake an internship or an environmentally related research project, which they will present in a communal EPS senior seminar.

Internships

McDaniel College's location in the greater Washington-Baltimore region allows us to offer a number of valuable internship opportunities through government and consulting agencies. We also hope to encourage students to take part in the institution's Washington Partnership Internship Program. Additionally, there are many opportunities for students to take part in internationally based courses and internships, for example, the Field Studies Program, SIT and the Political Science Semester in Washington, D.C. (either through the American University or through George Washington University).

MINOR IN ENVIRONMENTAL POLICY AND SCIENCE (24 HRS.)

Six four-credit courses taken from the core requirement listings.

Honors in Environmental Policy and Science

Honors in EPS will be awarded to graduating seniors who have earned at least at 3.50 grade point average in all courses taken in the major and who are recommended by the Department. Recommendation is based on the evaluation of a guided research or internship project completed and presented by the student in their senior year. Students must discuss guidelines with their advisor.

National Honors:

The Green Leaf National Honor Society is a national honor society established to recognize and reward the brightest students throughout the country who are studying some aspect of the natural environment as college undergradu-

ates. Juniors with a 3.75 overall GPA and seniors with a 3.50 overall GPA may apply to the Green Leaf National Honor Society. All applicants must submit, along with the application form available from the Environmental Studies Program, an official copy of their current transcripts, and two letters of recommendation, a one-page resume, and a two to three page personal statement.

Environmental Policy and Science Course Descriptions (EPS)

1116 Energy and the Environment

4 credits

Consumption of energy resources maintains and advances civilizations. Working from basic physical concepts and models of depletion and growth, we'll learn how the human race exploits available renewable and non-renewable resources. We will also compare the relative advantages and disadvantages of various means of energy extraction, generation, and distribution associated with such energy sources as fossil fuels, solar, biomass, and nuclear. Finally, understanding energy also means considering environmental impacts. To this end, we'll explore how energy extraction and consumption impact our Earth's biosphere, hydrosphere, and atmosphere.

Scientific Inquiry .

Cross-listed with General Science 1116.

1117 Environmental Geology

4 credits

The Earth is an exciting and dynamic planet, the only one our species will call home for a long time to come. Much has been learned about the Earth's complex interrelated systems but more still needs to be understood. We will explore the Earth and its systems to make you more aware of your environment, its origin, its history and its complexities. Along the way we will try to show you how to be a better observer of the Earth so you can enjoy unraveling some its mysteries on your own. All students are welcome to take this course. The only prerequisite for this course is an interest in the Earth and its environment. Scientific Inquiry with Laboratory. Cross-listed with General Science 1117.

1131 Environmental Problem Solving*4 credits*

An introductory and interdisciplinary study of environmental problems that considers world populations, energy, air and water pollution, sustainable agriculture, biodiversity and environmental health. Class discussion will center on solutions including technical and human behavioral modifications that can lead to the sustainable use of our environment. Scientific Inquiry with Laboratory. Cross-listed with General Science 1131.

2203 Environmental Chemistry*4 credits*

This course will focus on chemical cycles in the Earth's natural environment. Topics introduced will include aqueous environmental chemistry, including water pollution and treatment, and atmospheric environmental chemistry, including air pollution, smog, and greenhouse gases. Additional topics covered will be soil chemistry, energy sources, and hazardous wastes. Laboratory exercises will address current environmental questions and students will learn specific instrumental and laboratory techniques in the chemical analysis of natural materials including rocks, soil, and water. Course includes laboratory.

Prerequisites: Two semesters in any of the sciences or permission of the instructor.

Cross-listed with Chemistry 2203.

2204 History of the Environmental Movement*4 credits*

An exploration of the origins, evolution and nature of the American environmental movement. Topics will include the major events, philosophies, and leaders that marked and continue to drive various competing attitudes towards the environment and public health. The course should be interesting to any student wanting to learn more about the influence of social movements on public policies, societal values, and personal life-style choices.

2205 Environmental Economics*4 credits*

The study of efficient use of natural resources and protection of the environment both in the short term and the long run. Basic economic

principles are developed and applied to global topics such as biodiversity, global warming, ozone depletion, and sustainable development and to more local and regional ones having to do with pollution of air and water. Social, Cultural, and Historical Understanding. Cross-listed with Economics 2205.

2206 Sustainability*4 credits*

This course will introduce students to the implications of and approaches to sustainability: meeting the needs of the present without compromising the ability of future generations to meet their needs. Through discussion, lecture, readings, and field trips, students will address the questions of what resources need to be shared, ethics and methods of equitable distribution, and the scientific and social accounting of those resources. Students will also explore emerging fields of endeavor that tend toward sustainability, including permaculture, bioregionalism, environmental and natural building, ecological engineering, green business, and international agreements.

2215 Environmental Policy*4 credits*

An investigation of the history, institutions, and decision-making processes that shape environmental policy in the United States. The course will emphasize the roles of and relationship between local, state, and federal governments as well as industry, science, and public opinion in environmental management and protection. Cross-listed with Political Science 2215.

3102 Risk and Environmental Decisions*4 credits*

An investigation of the influence of risk in environmental decision-making and regulations. The course will examine how society determines which risks are acceptable and which are not and how these conceptions of risk are integrated into a wide range of federal environmental regulations including air and water pollution, worker safety, and pesticide regulations. Specific topics will include the tools of risk assessment, risk-benefit analysis, and the role and methods of our governmental institutions in addressing the risks faced by society. General lessons can be drawn to all areas of public policy.

3104 Environmental Systems

Analysis: GIS

4 credits

Systems modeling and GIS (Geographic Information Systems) are two critical quantitative analytical techniques used by environmental scientists, policy makers and economists in decision-making. Dynamic systems' modeling allows investigators to analyze complex systems and predict behaviors. GIS technology investigates common database operations such as query and statistical analysis with the unique visualization and geographic analysis benefits offered by maps.

Course includes laboratory.

Prerequisites: Environmental Policy and Science 1131 and Political Science and International Studies 2215 or with permission of the instructor for non-EPS majors.

3106 Conservation Biology

4 credits

The current widespread loss of species, genetic variability, and even entire biological communities has caused serious concern within the scientific community. The goal of conservation biology is to stem this loss through the development of strategies for preserving and restoring populations, species, biological communities, and entire ecosystems. Lab period included.

3110 Climatology

4 credits

Will future climate changes advance gradually, or abruptly and catastrophically, as they have in the past? Understanding processes that have affected climate in the past will help us predict future global warming. This course explores the mechanisms and indicators of global change, and treats topics such as the "snowball earth," ocean fertilization, oceanic methane release and the ocean conveyor belt.

3112 Biogeochemistry of the Habitable Planet

4 credits

This upper-level course treats the biogeochemistry involved in global change, one of the fastest growing fields in geological science. Topics include the missing carbon dioxide sink, planet formation, abiological and biological

geochemical cycles, weathering, ozone states and other processes modified by interactions between the terrestrial, oceanic, and atmospheric cycles.

You should feel comfortable doing word problems that involve unit conversions.

Prerequisites: One year of physics, calculus, chemistry, or Environmental Geology or permission of instructor.

3323 Environmental Philosophy

4 credits

This course offers a critical introduction into issues and debates in environmental cultural studies, environmental ethics and environmental political philosophy. The fact of a global ecological crisis, e.g. overpopulation, destruction and transformation of ecosystems, bioaccumulation of toxins, climate changes, etc. are intertwined with cultural and religious values systems as well as political trends and agendas. In this course we will study a) a selective genealogy of the perception of environment in various cultural traditions b) philosophical concepts which analyze and interpret global ecological shifts and crisis and c) cultural concepts of future environments.

Prerequisites: Philosophy 2102 or permission of the instructor for EPS majors

International Western; Social, Cultural and Historical Understanding; Textual Analysis.

4494 EPS Senior Seminar

1 credit

Students will formally present a report from an internship program or independent research project that is focused on a specific environmental problem. This course is the capstone experience in EPS and is required of all EPS majors.

1165, 2265, 3365, 4465 Special Topics in Environmental Policy and Science

0-4 credits

The study of a selected topic in the discipline. Recent selections include Chesapeake Bay Blues and Field Guide to Maryland.

Prerequisite: none or permission of the instructor as indicated.

EXERCISE SCIENCE AND PHYSICAL EDUCATION

Professors J.R. Carpenter and Ober (Department Chair); Associate Professor McCole; Assistant Professor Hoffman; Lecturer Hyman; Coach Lecturers Bliss, Easterday, Hatton, Martin, Miranda, Molloy, Nibbelink, Renner, Seibert, and Shearer.

Areas of particular teaching interest: Professor Carpenter: sport psychology and sport sociology; Professor McCole: exercise physiology and fitness prescription; Professor Ober: sport history and biomechanics.

A basic liberal arts major in Exercise Science and Physical Education is available, providing the student with a broad base of instruction in the discipline, yet still allowing enough time to take elective courses in other departments.

Beyond the basic major, a variety of career options are offered in specific professional areas of Exercise Science and Physical Education such as teaching certification in elementary-secondary school physical education. This PK12 certification program is approved by the Maryland State Department of Education. Career training for coaching, sports medicine, sports management, and the health and leisure industries, as well as preparation for graduate education are available. Students with diversified career interests may build on the basic major in directions consistent with their objectives.

Options in Exercise Science and Physical Education are offered through minors in athletic training, outdoor education, sports coaching, sports journalism, sports management, and sports science. A dual major, Exercise Chemistry, is offered within the Chemistry Department.

Activity

McDaniel College requires that each student demonstrate competence in four different physical activities. This requirement may be satisfied by demonstration of competence through current professional certification, skill testing, intercollegiate sports, or by successfully completing physical activity courses.

Many activity courses will be offered each semester including a variety of special topics. A list of specific courses to be offered in a particular

semester is provided at the time of registration.

Students who satisfy all or part of the physical education requirement through certification, testing, or athletic participation receive course exemptions, not course credit. A student may not receive credit for an activity in which competency has already been demonstrated nor can a student receive credit twice for the same activity.

McDaniel College accepts no financial responsibility for injuries resulting from participation in physical education activities.

The course offerings of the Department of Exercise Science and Physical Education fall into two categories: activity courses and theory courses.

Activity courses give students a wide variety of lifespan fitness and lifetime skill experiences. Golf, skiing, backpacking, weight training, and aerobic dancing are among the varied offerings from which students may choose. The College requires that each student demonstrate proficiency in four different activities. Theory courses are designed to meet the needs of those students with an interest in Exercise Science and Physical Education as an academic discipline. Non-majors will find that many of these courses add depth to their chosen major field of study or enhance career preparation.

EPE majors or non-majors may also want to fulfill one or more of the EPE Department's minors (see list and requirements below) to enhance their educational and career goals.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Exercise Science and Physical Education.

Please see the Dual Major section of the Catalog for the Exercise Chemistry option.

Departmental Honors

An application for departmental honors must be filed prior to the end of the second week of classes in the semester in which graduation is anticipated. A student must:

- have a 3.50 GPA in all courses taken in the major
- submit an appropriate paper of suitable academic quality
- receive a recommendation from the EPE Department faculty

BASIC MAJOR (39-43 HRS.)

EPE 1211 History & Philosophy of Physical Education & Sport
EPE 1245 Sport in American Society
EPE 2230 Biomechanics & Applied Anatomy
EPE 2223 Motor Development or
EPE 2240 Sport Behavior
EPE 3222 Physiology of Exercise
EPE 4492 Senior Capstone (1 credit)
Four EPE activities beyond BLAR
BIO 1111 Principles of Biology I
BIO 2211 Human Physiology
CHE 1121 Essentials of General, Organic, & Biochemistry or
CHE 1101 Introductory Chemistry I: Structure & Bonding
CHE 1102 Introductory Chemistry II: Chemical Reactivity (recommended, not required)
PSY 1106 Introduction to Psychology

Suggested First Semester Schedule

EPE 1211 FYS History & Philosophy of Physical Education & Sport or another First Year Seminar
ENG 1101 Introduction to College Writing
Foreign Language 1101 or 1103
PSY 1106 Introduction to Psychology or
BIO 1111 Principles of Biology I

MINOR IN ATHLETIC TRAINING (24-25 HRS.)

EPE 1141 Fundamentals of Exercise & Conditioning-for non EPE majors (1 credit)
EPE 2225 Prevention & Care of Athletic Injuries
EPE 2230 Biomechanics
EPE 3306 Advanced Athletic Training
EPE 3307 Practicum in Athletic Training
EPE 3325 Nutrition
One course from:
EPE 2215 Adapted Physical Education
EPE 2238 Sport Coaching & Management

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN OUTDOOR EDUCATION (26 HRS.)

EDU 1111 Learning in a Diverse Society or
EDU 1141 Teaching & Learning in a Diverse Society

EPE 1211 History & Philosophy of Physical Education & Sport
EPE 2215 Adapted Physical Education
EDU 3349 Curricular Models in Elementary Physical Education

EPE 3398 Independent Studies in EPE or
EPE 3395 Internship in EPE

EDU 2273 Outdoor Education Practicum (January Term) (2 credits)

At least six activities from:

EPE 1018 Orienteering, EPE 1043 Creative Rhythms & Dance, EPE 1067 Archery, EPE 1068 Backpacking, EPE 1073 Casting, EPE 1074 Canoeing, EPE 1078 Kayaking, EPE 1082 Rappelling or EPE 1083 Rock Climbing, EPE 1176 Lifeguarding or EPE 1178 Water Safety Instructor

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN SPORTS COACHING (24-25 HRS.)

EPE 1141 Fundamentals of Exercise & Conditioning-for non-EPE Majors (1 credit)
EPE 1245 Sport in American Society
EPE 2225 Prevention & Care of Athletic Injuries
EPE 2238 Sports Coaching & Management
EPE 2240 Sport Behavior
PSY 2209 Child & Adolescent Development

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN SPORTS JOURNALISM (24 HRS.)

EPE 1245 Sport in American Society
EPE 2238 Sports Coaching & Management
ENG 1103 Introduction to Journalism
ENG 2204 Advanced News Reporting
Two courses from:
COM 1102 Interpersonal Communication
COM 1103 Mass Comm.
COM 1110 Public Speaking
ENG 2205 Media Ethics
EPE 2295 Internship in EPE or ENG 2295 Internship in ENG
EPE 3345 American Sports Novel

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN SPORTS MANAGEMENT (24 HRS.)

Three courses from:

- EPE 1211 History & Philosophy of Sport & PE
- EPE 1245 Sport in American Society
- EPE 2238 Sports Coaching & Management
- EPE 3395 Internship in EPE
- EPE 3398 Independent Studies in EPE

Three courses from:

- BUA 1101 Principles of Accounting
- BUA 2205 Legal Environment of Business
- BUA 2209 Prin. of Marketing
- BUA/PHI 2210 Ethics & Business
- BUA 2214 Principles of Management

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN SPORT SCIENCE – for non EPE majors only (24 HRS.)

- BIO 1111 Principles of Biology I
- BIO 2211 Human Physiology
- CHE 1121 Essentials of General, Organic & Biochemistry or
- CHE 1101 Intro. Chemistry I: Structure & Bonding and CHE 1102 Intro. Chem. II: Chemical Reactivity

Two courses from:

- EPE 2223 Motor Development
- EPE 2230 Biomechanics & Applied Anatomy
- EPE 2240 Sport Behavior
- EPE 3222 Physiology of Exercise
- EPE 3325 Nutrition

One course from:

- CHE 2217 Organic Chemistry I
- PHY 1101 General Physics I
- PSY 2201 Psychology of Learning
- PSY 3303 Psychology of Personality
- PSY 3305 Health Psychology

Contact: Dr. Ober, Exercise Science & Phys. Ed.

Exercise Science and Physical Education Course Descriptions (EPE)

Physical Education Activity

0.5 credit

Instruction in the fundamental skills and basic knowledge of the activity named.

Each activity meets approximately 15 hours.

- 1002 Fencing
- 1003 Judo
- 1005 Wrestling
- 1006 Educational Gymnastics
- 1008 Karate
- 1016 Weight Training
- 1017 Water Aerobics
- 1018 Orienteering
- 1020 Jogging
- 1031 Ballet
- 1033 Modern Dance
- 1035 Jazz Dance
- 1037 Tap Dance
- 1039 Basic Aerobics
- 1041 Step Aerobics
- 1043 Creative Rhythms & Dance
- 1045 Square & Western Dance
- 1047 Folk/Social Dance
- 1055 Special Topics in Physical Activities
- 1067 Archery
- 1068 Backpacking
- 1069 Badminton
- 1070 Fundamental Motor Skills
- 1071 Basketball
- 1072 Bowling
- 1073 Casting
- 1074 Canoeing
- 1076 Field Hockey
- 1077 Golf
- 1078 Kayaking
- 1079 Lacrosse
- 1081 Racquetball
- 1082 Rappelling
- 1083 Rock Climbing
- 1084 Skiing
- 1086 Soccer/Speedball
- 1087 Softball
- 1088 Team Handball
- 1089 Tennis
- 1091 Volleyball
- 1092 Wallyball

Each of the following EPE activities meets approximately 30 hours per semester and carries one semester-hour credit (except for 1176 and 1178).

1141 Fundamentals of Exercise and Conditioning

1 credit

The development and analysis of various exercise and conditioning programs including personalized fitness assessment and planning, exercise selection, weight training, and aerobic activities.

1155 Special Topics in Physical Activities

1 credit

1170 Scuba Diving

1 credit

1176 Lifeguarding

2 credits

Principles, techniques, and skills of aquatic lifeguarding. Students must also complete or have completed standard First Aid and Adult CPR programs prior to the conclusion of the course to qualify for American Red Cross lifeguard certification.

Prerequisite: demonstrated swimming competency.

1178 Water Safety Instructor

2 credits

Principles, techniques, and skills of aquatic instruction leading to American Red Cross WSI certification. WSI certification qualifies individuals to instruct American Red Cross swimming progression courses: IPAP, LWT, BWS, and EWS.

Prerequisite: Exercise Science and Physical Education 1176 or the equivalent.

Theory:

1185 Contemporary Health Issues

4 credits

An examination of current health issues confronting the individual and society. The emphasis is on analyzing health behavior and influencing attitudes. Topics include wellness concepts, stress, socially transmitted diseases, consumer health, substance abuse, and aging.

1211 History and Philosophy of Physical Education and Sport

4 credits

The historical and philosophical development of physical education and sport from ancient civilizations to the present era. Areas covered

include cultures, leaders, events, programs, and guiding thoughts that have evolved into the current status of the academic discipline and the physical education profession as well as closely allied fields.

Social, Cultural, and Historical Understanding.

1245 Sport in American Society

4 credits

The examination of sport and its relationship to the many facets of American society. Included are explorations of the structure and role of sport and its participants. Various dimensions of sport and society – religious, political, economic, language and literature, song, and art – are also considered. Social, Cultural, and Historical Understanding.

2215 Adapted Physical Education

4 credits

Organization of developmental, remedial, and atypical programs for people with disabilities with an emphasis on the special competencies needed to deliver quality physical education programs to special populations. Consideration is given to legal and administrative aspects of service delivery; assessment of individuals; program planning and IEP preparation; specialized instructional techniques and teaching strategies; and modification of activities, materials, equipment, and facilities. Extensive field work is required.

2223 Motor Development: A Lifespan Perspective

4 credits

This course focuses on the study of motor skill development across the lifespan. As such, motor development is studied from the prenatal stage to the mature adult (elderly). There is emphasis on the immature mover and the processes by which skills develop throughout childhood. Content is then extended into adulthood and highlights motor behavior changes – including cardiovascular, muscular, neurological, sensory and socio-cultural – as the individual ages. Individual environmental (physical environment and socio-cultural) and task influences to the emergence of motor behavior will be examined. Cognitive development as it relates to movement will also be studied.

Prerequisite: Psychology 1106.

2225 Prevention and Care of Athletic Injuries

4 credits

Prevention, care, and management of injuries associated with physical activity and medical emergencies. Topics considered include basic human anatomy, recognition, and evaluation of injuries. Support measures such as wrapping and taping of various areas of the body are emphasized. CPR certification is an important component.

2230 Biomechanics and Applied Anatomy

4 credits

An integrated study of forces produced by and acting on the human body involved in the performance of physical activity. Attention is given to mechanical considerations and skill applications. Special emphasis is placed on the study of human anatomy, particularly the skeletal and muscular systems and their function.

Prerequisites: Mathematics 1001, placement above Mathematics 1002

2238 Principles of Sports Coaching and Sports Management

4 credits

This course is designed as an overview in the preparation of coaches and athletics administrators. The focus is on principles and practices for effective coaching and sports management. Topics will include but are not limited to the following: philosophy, contest management, team selection, scheduling, fiscal management, purchasing criteria, legal concerns, support staff, support groups, and the media.

2240 Sport Behavior

4 credits

The use of psychological principles to describe, explain, predict, and change human behavior within the framework of sport, motor learning, and motor development situations.

Prerequisite: Psychology 1106.

3222 Physiology of Exercise

4 credits

A study of the physiological principles governing physical activity. Energy sources, training and conditioning, ergogenic aids, diet, and other pertinent topics are considered through

classroom instruction and laboratory experiences.

Prerequisite: Biology 2211 or 3316.

3306 Advanced Athletic Training

4 credits

Advanced principles of athletic training including etiology, indications, evaluation, management, and rehabilitation of complex athletic injuries along with the administration of athletic training programs and facilities. Emphasis is on human anatomy, recognition of injuries, rehabilitation theory, theory and use of modalities, and the relationships among the health care professions.

Prerequisite: Exercise Science and Physical Education 2225.

3307 Practicum in Athletic Training

4 credits

Practical experience and extensive field work in athletic training.

Prerequisite: Exercise Science and Physical Education 2225.

3325 Nutrition

4 credits

A study of the nutritional needs throughout the human lifespan. Topics include energy nutrients, vitamins, minerals, recommended dietary allowances, and weight control. Fad diets, nutritional supplementation, and the world's food supply are also examined.

Prerequisite: Mathematics 1001 or placement above Mathematics 1001

Scientific Inquiry

3345 American Sports Novel

4 credits

A study of the sports novel as a special type in American literary expression. Major themes, style, characterization, role of the sports hero, sports myth and legend, and symbolism are considered.

4492 Senior Seminar in Exercise Science and Physical Education

1 credit

Presentation that synthesizes learning from earlier course work or curricular experiences such as student teaching or an athletic training internship. Required of all senior majors.

2265; 3365 Special Topics in Exercise Science and Physical Education

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395 Internship in Exercise Science and Physical Education

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398 Independent Studies In Exercise Science and Physical Education

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

FOREIGN LANGUAGES

Professors Deveny and Motard-Noar; Associate Professors Esa (Department Chair), D. Evergates, and Henriette; Assistant Professors McNichols and Quesada; Lecturer Budzinski-Luftig.

Areas of particular teaching interest:
Professor Deveny: Golden Age and 20th-Century Spanish literature, Spanish cinema;
Professor Evergates: Greek, Latin; Professor Henriette: Renaissance and 18th-century French literature; Professor Motard-Noar: 19th- and 20th-century French literature; Professor Esa: German, German women writers, innovative teaching methods, novellas, proverbs, idioms; Professor McNichols: Spanish-American Colonial literature, Spanish and Spanish-American early modern women writers; Professor Quesada: Contemporary Latin American literature, Cultural Studies and Queer Studies; Professor Budzinski-Luftig: German Romanticism and Italian Literature.

The study of Foreign Languages is becoming increasingly important in today's world.

Proficiency in another language allows students to better appreciate both other cultures and their own, and is the cornerstone of a liberal arts education. It also provides a competitive edge when seeking employment after graduation, since more and more businesses and professions seek personnel with knowledge of a second language. If applying for graduate school, you will probably need a minimum level of proficiency in at least one language other than English. Our program in Foreign Languages thus reflects the faculty's commitment to serve two different but complementary needs. It prepares those who choose to study foreign languages and literatures as their primary field, as well as those who wish to use a foreign language as a skill to be applied in another area such as education, economics, business, international studies, or history. The Department offers advanced courses which meet the needs of both groups. The Department has had an outstanding record of graduate school placement; graduates have gone on to some of the best programs available both as majors in a language field and in other fields where a second language is a necessity. McDaniel students have won Fulbrights, national competitive awards such as that of the Alliance Française, and have gone abroad to serve in the Peace Corps, studied in France, Germany, Latin America, and Spain, and found jobs in a variety of different contexts.

Recognizing that the study of language is essential to liberal arts education, the Department is committed to the goal of providing a sequence of courses leading to competence in a foreign language. Specialization in a language may take the form of a major, thus preparing a student for graduate work in the field, or it may be combined with Education courses for secondary school teaching (middle/high school). Competence in a foreign language is increasingly important in other fields as well and provides a desirable dual major in combination with areas such as Economics/Business Administration, Communication, Sociology, History, and Political Science.

Several opportunities to enrich the academic program are provided both on and off campus.

Students are encouraged to explore the opportunities for the language houses in the affinity housing program, to participate in language clubs, and to take advantage of the many special events such as film series and social activities which focus on foreign cultures. The Department requires students majoring in Foreign Languages either to live in language housing on campus for one year or to live abroad for one semester. January Term trips provide short-term study tours of major French-, Spanish-, or German-speaking countries. The College also grants full academic credit for a number of programs that sponsor a summer, a semester, or a year abroad. Information on such programs is available from the Director of Study Abroad at the International Programs Office.

Other Educational Options in Foreign Languages: Dual majors with another language, Business Administration, Communication, Economics, History, Political Science, Sociology or Secondary Teacher Certification (middle/high school). The department also offers minors in French, German, Latin and Spanish. Only one course in English may count toward the major or the minor in French, German, or Spanish. Courses in Greek or Latin may count toward a minor in Classical Civilization. Up to 12 credits may be waived toward a major or minor in a Foreign Language through the College-administered placement examination, which is taken before beginning classes as a first-year student.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in each Foreign Language.

Please see the Dual Major section for dual majors with Business Administration, Communication, Economics, History, Political Science, and Sociology.

Departmental Honors

See the Department Chair or departmental web page for requirements for Departmental Honors.

MAJOR IN FRENCH (44 or 46 HRS.)

To major in French you must complete a minimum of:

- 44 hours if you complete the residency requirement through study abroad or
- 46 hours if you complete the residency requirement by living in the French House.

All students must start by taking the Placement Test. Students may place at the 1101, 1103, 2000 level or higher. Those placing at the 2000 level or higher are exempt from taking lower level courses. Up to 12 credits towards the Major may be waived for students entering at the upper intermediate level or higher.

Sequence of courses:

FRE 1101 Elementary French
 FRE 1102 Elementary French
 or for both FRE 1103 Advanced Elem. French

Three 2000-level courses or higher

Three 3000-level courses

Ecrire en français (WI) course

Any additional course in French or a course taught in English on a relevant topic [such as
 FRE 1131 Culture of France or FRE 1123
 The French-Speaking World or HIS 2265
 The French Revolution & Napoleon]

FRE 4400 Adv. Studies in French II-Capstone
 (4400 course must be taken at McDaniel
 College)

One semester spent studying abroad or one year in residence in the French language house on campus (1 credit/semester)

Suggested First-Year Schedule (depending upon placement):

FRE 1101-1102 or 1103 or 2100 to 2400 level;

or any course depending upon placement

MINOR IN FRENCH (24 HRS.)

FRE 1101 Elementary French
 FRE 1102 Elementary French
 or for both FRE 1103 Advanced Elem. French

(Students placing at the 2000 level or higher are exempt from taking lower level courses.)

FRE 2211 Cultures francophones or any other FRE 2000-level course

FRE 2212 France and the European Union or any other FRE 2000-level course

At least one 3000-level French course

Any additional course in French or one course in English, such as: FRE/CCS 1123 The French Speaking World or FRE 1131 Culture of France

MAJOR IN GERMAN (44 or 46 hrs.)

To major in German you must complete a minimum of:

- 44 hours if you complete the residency requirement through study abroad or
- 46 hours if you complete the residency requirement by living in the German House.

All students must start by taking the Placement Test. Students may place at the 1101, 1103, 2000 level or higher. Those placing at the 2000 level or higher are exempt from taking lower level courses. Up to 12 credits towards the Major may be waived for students entering at the upper intermediate level or higher.

Sequence of courses:

GER 1101 Elementary German

GER 1102 Elementary German

or for both GER 1103 Advanced Elem. German

Three 2000-level courses or higher

Three 3000-level courses

German Writing (WI) course at 3000 level

Any additional course in German or

A course taught in English on a relevant topic [such as GER 1111 German Cinema or GER 1125 From the Holocaust to German Reunification]

GER 4410 Adv. Studies in German II-Capstone

(4410 must be taken at McDaniel College)

One semester spent studying abroad or one year in residence in the German language house on campus (1 credit/semester)

Suggested First-Year Schedule (depending upon placement):

GER 1101-1102 or 1103 or 2211; or any course depending upon placement

MINOR IN GERMAN (24 HRS.)

GER 1101 Elementary German I

GER 1102 Elementary German II

or for both GER 1103 Advanced Elem. German

(Students placing at the 2000 level or higher are exempt from taking lower level courses.)

GER 2211 Intern. Ger. I: Language and Culture or any other German 2000-level course

GER 2212 Intern. Ger. II: Conversation and Composition or any other German 2000-level course

At least one 3000-level German course

One additional course in German on a relevant topic [such as GER 1111 German Cinema or GER 1125 From the Holocaust to German Reunification]

MINOR IN BUSINESS GERMAN (24 HRS.)

GER 1101 Elementary German I

GER 1102 Elementary German II

or for both GER 1103 Advanced Elem. German

(Students placing at the 2000 level or higher are exempt from taking lower level courses.)

GER 2211 Intern. Ger I: Language and

Culture or any other GER 2000-level course

GER 2221 Principles of German for Business

GER 3331 German for Intermediate Business

One course from:

GER 1111 German Cinema

GER 1125 From the Holocaust to German Reunification

MAJOR IN SPANISH (44 or 46 hrs.)

To major in Spanish you must complete a minimum of:

- 44 hours if you complete the residency requirement through study abroad or
- 46 hours if you complete the residency requirement by living in the Spanish House.

All students must start by taking the Placement Test. Students may place at the 1101, 1103, 2000 level or higher. Those placing at the 2000 level or higher are exempt from taking lower level courses. Up to 12 credits towards the Major may be waived for students entering at the upper intermediate level or higher.

Sequence of courses:

SPA 1101 Elementary Spanish

SPA 1102 Elementary Spanish

or for both SPA 1103 Advanced Elem. Spanish

Three 2000-level courses or higher

Three 3000-level courses

Spanish Syntax & Composition (WI) course

Any additional course in Spanish or a course taught in English on a relevant topic [such as SPA 2223 Cultural History of Latin America or SPA 33XX Historia de España or HIS 2245 Modern Latin America or PSI 3310 Politics of Developing Areas or MUL 2212 World Music/Hispanic]

SPA 4410 Adv. Studies in Spanish II-Capstone (4410 must be taken at McDaniel College)

One semester spent studying abroad or one year in residence in the Spanish language house on campus (1 credit/semester)

*Suggested First-Year Schedule
(depending upon placement):*

SPA 1101-1102 or 1103 or 2211; or SPA 3303 or 3304

MINOR IN SPANISH (24 HRS.)

SPA 1101 Elementary Spanish I

SPA 1102 Elementary Spanish II

or for both SPA 1103 Advanced Elem. Spanish

(Students placing at the 2000 level or higher are exempt from taking lower level courses.)

SPA 2211 The Hispanic World: Language & Society I

SPA 2212 The Hispanic World: Language & Society II or any 2000-level course in Spanish

At least one 3000-level Spanish course

Students may choose one course in English, such as: SPA 2223 Cultural History of Latin America or HIS 2245 Modern Latin America or PSI 3310 Politics of Developing Areas or MUL 2212 World Music/Hispanic or SPA 1125 Studies in Hispanic Literature in English Translation

MINOR IN LATIN (24 HRS.)

LAT 1101 Elementary Latin I

LAT 1102 Elementary Latin II

(Students placing at the 2000 level or higher are exempt from taking lower level courses.)

16 additional hours in Latin courses at the 2000 or 3000 level (at least four of these hours must be at the 3000 level, and four of them may be in a course in Roman cultural history, such as: HIS 2206 Republican Rome; HIS 2208 Roman Women; HIS 3305 Seminar: Rome, the Early Empire)

STUDY ABROAD

The Department of Foreign Languages is affiliated with several Study Abroad programs in Greece, Italy, Spain, Central and South America, France, Germany, Austria, and Switzerland. Programs in French-speaking Africa are also available. The Department can approve attendance at other programs in France, Germany, Spain, or another Hispanic country. For more information, see the Study Abroad section of this catalog.

GRADUATE STUDY - ROMANCE LANGUAGES

Major in either French or Spanish

Strongly recommended:

Take as much of a second Romance Language as possible

One year of Latin

Live at least one semester abroad

Advanced courses from:

Art History

British Literature

Philosophy

History

GRADUATE STUDY - GERMAN

Basic Major in German

Strongly Recommended:

Live at least one semester abroad

Take as much of a second language as possible

Advanced courses from:

Art History

British Literature

American Literature

Philosophy

Business

Foreign Language and Other Career

Opportunities:

Having a strong background in one or more foreign languages can be a valuable asset for obtaining employment in fields such as international business and commerce, journalism, law enforcement, and government. For further information, students should contact the Foreign Language Department or the Office of Counseling and Career Services.

Foreign Language Course Descriptions

ARABIC (ARB)

1101, 1102 Elementary Arabic

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to Arabic used both as the medium of communication and the object of study. It enables the student accurately to express his or her daily experiences in spoken and written Arabic, and to understand communications of a moderate level of difficulty.

2211 Intermediate Arabic I

4 credits

A review and expansion of grammar and practice in oral and written Arabic while exploring Arabic language and culture.

Prerequisite: Arabic 1102 or placement.

Offered in fall semester only.

Second Language.

FRENCH (FRE)

1101, 1102 Elementary French

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to French used both as the medium of communication and the object of study. It enables the student accurately to express his or her daily experiences in spoken and written French, and to understand communications of a moderate level of difficulty.

1103 Elementary French for Advanced Beginners

4 credits

A review of basic grammar and the introduction of more advanced grammar, together with the acquisition of oral/aural skills that allow communication in French in everyday contexts. This course encompasses material presented in FRE 1101 and 1102.

1123 The French-Speaking World

4 credits

An examination of French-speaking countries outside of Europe – especially Africa and the Caribbean – prior to, during, and after the establishment of French colonial rule. Special attention is given to the ways different cultures have reacted, in economic, religious, sociological, artistic, and literary spheres, to the experience of French hegemony.

This course is taught in English.

International Nonwestern; Social, Cultural, and Historical Understanding.

Cross-listed with Cross Cultural Studies 1123.

1131 Culture of France

4 credits

A study of influences that have molded France through the ages, with insights into all aspects of French culture (geography, history, the arts, folklore, gastronomy, etc.).

This course is taught in English.

International Western; Social, Cultural, and Historical Understanding.

2100 Introduction to Business French

4 credits

An Intermediate-level language course stressing all four language skills (reading, writing, speaking, and listening) in the contexts of professional situations.

Prerequisite: French 1102 or 1103 or placement.

Second Language.

2211 Cultures Francophones*4 credits*

A review and expansion of grammar and practice in oral and written French through the study of various Francophone media.

Prerequisite: French 1102 or 1103 or placement.

Second Language.

2215 Intermediate Composition & Conversation*4 credits*

An examination of French perspectives on a variety of topics, which may change from year to year. Students will be able to read, engage in a basic conversation, and write about these topics at the intermediate-low to intermediate level in French by the end of the semester.

Prerequisite: FRE 1102 or 1103 or placement.

Second Language.

2510 Cinema for Composition & Conversation*4 credits*

This intermediate course focuses on developing linguistic skills and cultural awareness, using French feature films as the main course texts. French language films contribute to the improvement of aural comprehension and offer a model for pronunciation. Themes are used as topics for written and oral expression, and grammar is presented in context. Cinema also introduces students to the French culture.

Prerequisite: any FRE 2100 or 2200 course or placement.

2513 France and the European Union*4 credits*

A review and expansion of grammar and practice in oral and written French through the study of France's political and economical situation within the European Union.

Prerequisite: any FRE 2100 or 2200 course or placement.

International Western.

2514 Out of Africa: Nouvelles d'expression française*4 credits*

Review and expansion of linguistic skills, combined with the study of French-speaking African and Caribbean literary works and

culture. Readings and discussions in French.

Prerequisite: any FRE 2100 or 2200 course or placement.

International Nonwestern.

3100 French House Study*1 credit*

Study related to participation at the French Language House. Special emphasis is placed on speaking the French language, participating in and organizing cultural events and conversation hours.

3301 Introduction to the Study of French Literature I*4 credits*

Themes and topics related to periods and genres in French literary history. The course covers particular areas from the Medieval period through the Enlightenment.

Prerequisite: Two French 2000 level courses or placement.

International Western; Textual Analysis.

3302 Introduction to the Study of French Literature II*4 credits*

Themes and topics related to periods and genres in French literary history. The course covers Romanticism to the present.

Prerequisite: Two French 2000 level courses or placement.

International Western; Textual Analysis.

3304 Ecrire en français*4 credits*

This course focuses on the study of various writing formats and styles. Emphasis is placed on singularities of French genres and writing techniques.

Prerequisites: Two French 2000 level courses or placement.

WI Junior Writing.

3310/4410 Advanced Studies in French I*4 credits*

A course designed for upper-class French majors, with a different topic dealing with aspects of the French or Francophone literature or culture each semester. See topics under French 4410.

Prerequisites: Any French 3000 level course.

3320/4420 French/English Translation

4 credits

Practice in the art of rendering a text from one language to another using both literary and non-literary sources. This will include a study of advanced French grammar.

Prerequisite: Any French 3000 level course.

3321/4421 Histoire du cinéma français

4 credits

This course introduces students to the history of French cinema. The approach to French cinema used in this class is interdisciplinary and international in scope and concerned with understanding films in terms of style, technology, spectatorship, cultural history, narrative and foreign culture.

This course treats film primarily as a unique and powerful twentieth-century art with its own traditions, history, conventions and techniques. Students learn how to understand, analyze, discuss and explain film in the French language.

Prerequisite: Two French 2000 level courses.

International Western; Social, Cultural, and Historical Understanding.

3330/4430 L'Actualité Française

4 credits

Practice in comprehending, writing and speaking the French language through the reading of newspapers and study of various media (TV programs, French Web sites, etc.). Special emphasis is placed on French contemporary culture and issues. Course taught in French.

Prerequisite: Any French 2000 level course.

3331/4431 Paris

4 credits

This course looks at the history of one of the world's great cities. It examines the manner in which new styles of thought, science, politics, fashion and art were elaborated in Paris. It examines the life of its districts and its streets and in particular the response of its population to the redesign and rebuilding of the city in the second half of the 19th century and eventually the building of its suburbs in the 1960s. It looks at the visitors to Paris, tourists, exiles and immigrants and at their representations of the city. The course also studies how Paris, with its Eiffel Tower as its primary representation, became a Romantic myth.

Prerequisite: Two French 2000 level courses.

International Western.

4410 Advanced Studies in French II

4 credits

A course designed for upper-class French majors, with a different topic dealing with aspects of the French or Francophone literature or culture each semester. Course offerings include: Le cinéma français; L'autobiographie en France; La littérature française contemporaine comme prière athée; La littérature féminine francophone; Le théâtre classique; Les femmes-écrivains du Moyen Age au XVIII^e siècle.

Prerequisite: Any French 3000 level course.

2265; 3365; 4465 Special Topics in French

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in French

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in French

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

GERMAN (GER)

1101, 1102 Elementary German

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to German used both as the medium of communication and the object of study. It enables students to express their daily experiences accurately in spoken and written German, and to understand communications of a moderate level of difficulty.

1103 Elementary German for Advanced Beginners

4 credits

A review of basic grammar and the introduction of more advanced grammar, together with the acquisition of oral/aural skills that allow communication in German in everyday contexts. This course encompasses material presented in GER 1101 and 1102.

1111 German Cinema: A study of German Culture and History through Film

4 credits

Films can provide a far more intense experience of a country's culture and society than textbooks full of facts and data. Films can give an overview of important events in the history of any people. This class will explore 20th-century German identity, culture, history, and politics through film analysis and readings. This class will view and discuss German films that were made between 1919 and 1999. This course will be taught in English. All readings are in English. All films are either in English or in German with English subtitles.

International Western; Social, Cultural, and Historical Understanding.

1125 From the Holocaust to German Unification

4 credits

This course explores German culture and history from 1933 to the present. It begins with an examination of the Nazis' rise to power and their political, economical, social, and racist programs. The course continues with WWII and the most brutal crime committed against humankind-the Holocaust. A closer look examines occupied Germany and the so-called "Zero Hour," the divided Germany, the erection of the Berlin Wall, the student movement in 1968, the collapse of communism and the fall of the Berlin Wall that led to German unification and beyond.

This class is taught in English.

International Western; Social, Cultural, and Historical Understanding.

2211 Intermediate German I: Language and Culture

4 credits

A review and expansion of grammar and practice in oral and written German while exploring German language and culture.

Prerequisite: German 1102 or German 1103 or placement.

Second Language.

2212 Intermediate German II: Conversation and Composition

4 credits

A review and expansion of grammar and practice in oral and written German while exploring the societies, politics, economics, media, etc., of the German-speaking countries in Europe.

Prerequisite: German 2211 or the equivalent.

2221 Principles of German for Business

4 credits

An introduction to basic vocabulary and practices of German business in such areas as communication, job applications and tourism. This course also gives students an in-depth introduction into geography and economics of German-speaking countries and the European Union.

Prerequisite: German 2212 or placement.

International Western.

3100 German House Study

1 credit

Study related to participation at the German Language House. Special emphasis is placed on speaking the German language, participating in and organizing cultural events and conversation hours.

3301 Introduction to the Study of German Literature

4 credits

Analysis of major representative works from German literature.

Prerequisite: German 2212 or placement.

3302 Twentieth Century German Literature

4 credits

The course deals mainly with German literature of the 20th century. It was a century of destruction and devastation (World War I & II), of misery and suffering (the Holocaust and

German expulsions), but also a century of reconstruction, reunification and prosperity. The darkest and most joyous parts of German history took place in the 20th century. In addition to reading and analyzing literary works by various German authors, students will study the historical, social and political situation of the various literary epochs covered in class. This study will be enhanced and augmented by viewing and discussing some films dealing with various topics of German history.
Prerequisite: German 2212 or placement.
 International Western; Social, Cultural, and Historical Understanding; Textual Analysis.

3310 Advanced Studies in German
4 credits

A course designed for upper-class German majors with a different topic dealing with aspects of the German literature or culture each semester. See course offerings under German 4410.
Prerequisite: Any German 3000 level course.

3320 German/English Translation
4 credits

Practice in the art of rendering a text from one language to another using both literary and non-literary sources. This course will include a study of advanced German grammar and written translation of materials from the student's field of study.
Prerequisite: German 2212 or permission of the instructor.

3331 German for International Business
4 credits

A review and expansion of practices of German business and German language as used in international trade, intercultural conduct, international banking, taxes, social security, structure of industry, advertising, trade fairs, exhibitions, environmental problems, etc.
Prerequisite: German 2221 or permission of instructor.
 International Western.

4410 Advanced Studies in German
4 credits

A course designed for upper-class German majors with a different topic dealing with aspects of the German literature or culture each

semester. Course offerings include: Die deutsche Novelle; Deutsche Frauenliteratur; Kulturmetropole Berlin; Deutsche Filmemacherinnen und Literatinnen; Franz Kafka: Sein Leben und Werk.
Prerequisite: Any German 3000 level course except 3320.

2265; 3365; 4465 Special Topics in German
4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in German
0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in German
0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

GREEK (GRK)

1101, 1102 Elementary Greek
4, 4 credits

Introduction to the grammar and vocabulary of Ancient Greek with emphasis on the development of reading skills. The courses include an overview of ancient Greek history, literature and culture, as well as beginning readings in ancient texts.
 Offered as needed.

2265; 2266 Special Topics in Greek
4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2298; 2299 Independent Studies in Greek

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

BASIC HUNGARIAN (HUN)

1001 Basic Hungarian (offered every semester)

2 credits

An introduction to the Hungarian language, history, and culture.

ELEMENTARY HUNGARIAN (HUN)

1101, 1102 Elementary Hungarian (offered only on the Budapest Campus)

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to Hungarian used both as the medium of communication and the object of study. It enables students to express their daily experiences accurately in spoken and written Hungarian, and to understand communications of a moderate level of difficulty.

LATIN (LAT)

1101, 1102 Elementary Latin

4, 4 credits

An introduction to the grammar and vocabulary of the Latin language with emphasis on the development of reading skills. The courses include an overview of Roman history, literature, and culture, as well as beginning readings in ancient texts.

2265 Special Topics in Latin Literature

4 credits

An intermediate Latin course with emphasis on the development of reading skills and the critical analysis of selected Latin authors in their social, literary, and historical contexts. The course will include the study of grammar and syntax at the intermediate level. A variety of Latin authors and texts will be chosen based on

student interest and experience; suggested topics include the works of Vergil, the drama of Plautus and Terence, Cicero's speeches and essays, historians such as Livy and Tacitus, poets such as Catullus, Horace and Ovid.

Prerequisite: Latin 1102 or placement.

Second Language.

2255 Topics in Classical Literature

4 credits

A study of outstanding literary works of the classical world. Emphasis is on studying ancient authors and genres in their original context and analyzing them in the light of modern literature and criticism. Although readings will be in English, language students who have completed Latin 1102 may choose to study some texts in the original language and continue the study of grammar and composition at the intermediate level. Topics include poetry, comic and tragic drama, narrative, and the ancient novel.

Prerequisite: Latin 1102.

Cross-listed with Comparative Literature 2255.

3365 Special Topics in Latin

4 credits

The advanced study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2298; 3398 Independent Studies in Latin

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

SPANISH (SPA)

1101, 1102 Elementary Spanish

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to Spanish used both as the medium of communication and the object of study. It enables students to express their daily experiences accurately in spoken and written Spanish, and to understand communications of a moderate level of difficulty.

1103 Elementary Spanish for Advanced Beginners

4 credits

A review of basic grammar and the introduction of more advanced grammar, together with the acquisition of oral/aural skills that allow communication in Spanish in everyday contexts. This course encompasses material presented in SPA 1101 and 1102.

1125 Studies in Hispanic Literature in English Translation

4 credits

Spanish and Spanish-American literature in translation.

Cross-listed with Comparative Literature 1125.

2211 The Hispanic World: Language and Society I

4 credits

Practice in oral and written Spanish while analyzing the social elements and cultural expressions of the Hispanic world.

Prerequisite: Spanish 1102, 1103 or placement.
Second Language.

2212 The Hispanic World: Language and Society II

4 credits

Practice in oral and written Spanish while analyzing the social elements and cultural expressions of the Hispanic world.

Prerequisite: Spanish 2211 or placement.

2223 Cultural History of Latin America

4 credits

Historical and contemporary culture of Latin America. This course is taught in English. International Nonwestern. Social, Cultural, and Historical Understanding.

Cross-listed with Cross Cultural Studies 2223 and History 2223.

2230 Spanish Conversation

4 credits

An opportunity to improve speaking skills in Spanish. This course will include grammar review and specific vocabulary as well as intensive work on pronunciation and aural comprehension.

Prerequisite: Spanish 2212 or permission of the instructor.

3100 Spanish House Study

1 credit

Study related to participation at the Spanish Language House. Special emphasis is placed on speaking the Spanish language, participating in and organizing cultural events and conversation hours.

3303 Contemporary Latin American Culture/ Cultura Latinoamericana Contemporánea

4 credits

This course is a study of contemporary Latin American culture. Topics addressed include socioeconomic class, ethnicity, urbanization, changing family structure, education, religion, nationalism/globalization and the environment. Taught in Spanish.

Prerequisite: SPA 2212 with permission, or 2224 or any 3000-level course.

International Western; Social, Cultural, and Historical Understanding.

3304 Spanish Syntax & Composition

4 credits

In this course students are going to improve their formal and informal writing skills in Spanish. The class will learn how to plan, write, revise, and edit academic papers in Spanish, preparing both majors and minors for greater success in Spanish and Latin American literature and culture classes.

Prerequisite: SPA 2212 or higher.

Junior Writing.

3305 Introduction to Literary Analysis

4 credits

Critical methodology and vocabulary to do textual analyses in different literary genres. This course will familiarize students with major representative works of Spanish and Spanish American Literature.

Prerequisite: Spanish 2212, 2224, 2230 or any 3000-level course or placement.

Textual Analysis.

3306 Spanish Literature I

4 credits

A chronological study of Spanish literature. Students will become familiar with the most important writers of the period.

Prerequisite: Spanish 3305 or permission of the instructor.

3307 Spanish Literature II*4 credits*

The second half of a chronological study of Spanish literature. Students will become familiar with the most important writers of the period.

Prerequisite: Spanish 3306 or permission of the instructor.

3308 Spanish American Literature*4 credits*

A chronological study of Latin American literature. Students will become familiar with the most important writers of the period.

Prerequisite: Spanish 3305 or permission of the instructor.

International Nonwestern.

3309 Historia cultural de España*4 credits*

A study of the diverse aspects of the history and culture of Spain. We shall examine the key factors that shape Spanish national identity, including the diverse religious, ethnic, and linguistic elements that constitute what is Spanish in both the past and the present. This course is taught in Spanish.

Prerequisite: Spanish 2212 or placement.

International Western.

3310 Advanced Studies in Spanish*4 credits*

A course designed for upper-class Spanish majors with a different topic dealing with aspects of the Hispanic literature or culture each semester. See course offerings under Spanish 4410.

Prerequisites: Spanish 3305.

3320 Spanish/English Translation*4 credits*

Practice in the art of rendering a text from one language to another using both literary and non-literary sources.

Prerequisite: Spanish 2212 or permission of the instructor.

4410 Advanced Studies in Spanish*4 credits*

A course designed for upper-class Spanish majors with a different topic dealing with aspects of the Hispanic literature or culture each semester. Course offerings include:

Cervantes; Novela/Cine de España; Literatura latinoamericana contemporánea; La mujer en la cultura latina/Latinamericana; Voces de los márgenes de la literatura hispanoamericana.

Prerequisites: Spanish 3301.

2265; 3365; 4465 Special Topics in Spanish*4 credits*

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs. Previous topics have included: Spanish for Business; Hispanic Roots; the Detective Fiction; Spanish for the Professions.

2295; 3395; 4495 Internships in Spanish*0-4 credits*

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Spanish*0-4 credits*

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

FORENSIC SCIENCE

No major is offered in this field. A minor in Forensic Studies is offered through the departments of Chemistry and Sociology. Contacts: Professor R. Smith (Chemistry) and Associate Professor Dundes (Sociology).

FORENSIC SCIENCE (28 HRS.)

SOC 1104 Introduction to Sociology: A Global Perspective

SOC 2205 Criminology

SOC 2206 Practical Applications in Law Enforcement

SOC 3348 Legal Forensics

GSC 1140 Introduction to Forensic Science
 CHE 1121 Essentials of General, Organic and Biochemistry or
 CHE 1101 Introductory Chemistry I:
 Structure and Bonding or CHE appropriate course approved by the program directors
 BIO 1111 Principles of Biology I or BIO appropriate course approved by the program directors
 Recommended but not required ENG 3308 Writing in Law and Policy

GENERAL SCIENCE

Professors Alspach, Iglich, Pagonis, and R. Smith; Associate Professors Marx, Mian, and Mitschler; Assistant Professors Marx and Nilsson; Lecturer M. Smith, Adjunct Lecturers Stempel and Toller.

General Science Course Descriptions (GSC)

1110 Observational Astronomy

4 credits

This course is a study of the observational techniques used by astronomers, the constellations, stars and stellar evolution, motion of celestial bodies and cosmology. Approximately 1/3 of the course consists of hands-on activities which emphasize the experimental aspects of the astronomical science, how astronomers collect and interpret experimental data in the laboratory and how they formulate theories about the celestial bodies.

Social, Cultural, and Historical Understanding.

1111 Introductory Astronomy

4 credits

A study of the stars and stellar evolution, the solar systems, galaxies, and cosmology, with emphasis on contemporary topics.

Cross-listed with Physics 1111.

Scientific Inquiry

1112 The Earth

4 credits

This course is a study of the Earth's cosmic place, history, and systems. Topics will include observations of objects on the Celestial Sphere, formation of the solar system and the Earth, and modern Earth's global systems – geological, hydrological, atmospheric, and biological. We

will also analyze human impacts on the planet and ponder its future.

Scientific Inquiry.

Offered as needed.

1113 Sound, Music, and Hearing

4 credits

A study of sound in everyday experience.

Topics considered include the physical nature of sound, description and measurement of sound, physiological and perceptual aspects of hearing, characteristics of human speech, electronic sound systems, noise, and musical acoustics.

Scientific Inquiry.

Offered as needed.

1114 Astrobiology: The Origin of Life on Earth and the Potential for Life in the Universe

4 credits

This introductory Astrobiology course introduces students to the wonders of the universe and to the existence of life itself. The basic principles of astronomy, biology, chemistry, and physics are related to the formation of life on Earth and to the potential for life elsewhere in the universe. Concepts covered in this course include the formation and fate of the universe, essential features of all living systems, the nature of life on Earth, the geological history of the Earth, and the process of evolution. The search for extraterrestrial life, extraterrestrial intelligence, habitable worlds, and the cosmic cataclysms that threaten our continuing existence will also be discussed. Current NASA missions that are devoted to this pursuit will be highlighted. The lecture material will be augmented by in-class videos and "mini-labs."

1115 A World Of Light And Color

4 credits

A survey of the behavior of light and its roles in human experience. Topics include basic light phenomena, wave and photon models of light, color and color theories, light energy, effects of light on living matter, atmospheric effects, optical instruments, human vision, and perception.

Scientific Inquiry.

Offered as needed.

1116 Energy and the Environment

4 credits

Consumption of energy resources maintains and advances civilizations. Working from basic physical concepts and models of depletion and growth, we'll learn how the human race exploits available renewable and non-renewable resources. We will also compare the relative advantages and disadvantages of various means of energy extraction, generation, and distribution associated with such energy sources as fossil fuels, solar, biomass, and nuclear. Finally, understanding energy also means considering environmental impacts. To this end, we'll explore how energy extraction and consumption impact our Earth's biosphere, hydrosphere, and atmosphere.

Cross-listed with Environmental and Policy Science 1116.

Scientific Inquiry.

1117 Environmental Geology

4 credits

The Earth is an exciting and dynamic planet, the only one our species will call home for a long time to come. Much has been learned about the Earth's complex interrelated systems but more still needs to be understood. We will explore the Earth and its systems to make you more aware of your environment, its origin, its history and its complexities. Along the way we will try to show you how to be a better observer of the Earth so you can enjoy unraveling some its mysteries on your own. All students are welcome to take this course. The only prerequisite for this course is an interest in the Earth and its environment.

Cross-listed with Environmental and Policy Science 1117

Scientific Inquiry with Laboratory.

1118 Society And The Weather

4 credits

An interdisciplinary study of the atmosphere with emphasis on understanding the basic science needed to judge recent environmental policy trends. Topics such as the greenhouse effect, the depletion of the Earth's ozone layer, and air pollution will be discussed. Offered as needed.

1131 Environmental Problem Solving

4 credits

The formulation of hypotheses and the implementation of experiments, which explore specific environmental problems. Class discussion centers on experimental results and directions for technical and human behavior modifications, which will improve the environment. Themes investigated include energy and air pollution, indoor air chemistry, sustainable agriculture, biodiversity, and bioengineering.

Cross-listed with Environmental and Policy Science 1131

Scientific Inquiry with Laboratory.

1133 Introduction to Oceanography

4 credits

A basic introduction to the field of oceanography where we will study the integration of physical, chemical, biological, and geological oceanography. Topics will include understanding waves, currents, tides, salinity, sediments of the ocean floor, plate tectonics, and the biological communities within every depth of the oceans. Practical mini-labs will be included with lecture material.

Prerequisite: Mathematics 1001 placement above Mathematics 1001.

1140 Introduction to Forensic Science

4 credits

This course will serve as an introduction to the scientific study of crime solving. Possible topics to be considered include crime scene investigation, fingerprint analysis, DNA fingerprinting, drug identification, and ballistic studies.

There are no prerequisites for this course.

Scientific Inquiry with Laboratory.

1151 (FR) Computer Interfacing for Scientists

4 credits

Intended primarily for students majoring in the sciences and mathematics. Specifically, the course will focus on different methods by which scientists collect, analyze, and present data using the computer. After collecting the data in the lab, students will set up a numerical model and will compare it to the actual experimental data. Specific examples will be taken from physics, biology, and chemistry laboratories. The course will involve some

computer programming using the language TrueBasic, but no previous programming experience is necessary.

Cross-listed with Physics 1151.

1153 Trees on the Hill: The Science of Wood

4 credits

What can one learn about science simply by studying a common substance, wood, found all around us? The biology of a tree investigates the growth and structure of trees and methods for identifying different woods (for example, in antique furniture). The physics of wood explores the strength of wood and how simple machines apply to woodworking techniques. The chemistry of wood reveals what holds a tree together and how protective finishes are used to protect and beautify wood. Associated biographical readings explore wood in literature and the sociological aspects of humans in tune with nature. Mini-labs will provide opportunities to experience what it was like to work in a 19th-century carpentry shop.

Prerequisites: Mathematics 1001 and 1002 or placement above Mathematics 1002

Scientific Inquiry with Laboratory.

2203 History of Scientific Thought I

4 credits

A study of the development of theories to explain physical and natural phenomena from the earliest Egyptian, Mesopotamian, Greek, Arabian, Indian, and Chinese civilizations. The loss of impetus during the Medieval Age and the re-emergence in the Renaissance is traced.

2204 History of Scientific Thought II

4 credits

A course which traces the development of modern scientific theories in Astronomy, Biology, Chemistry, Geology, and Physics from the Renaissance to the present. Readings include excerpts of original writings by over 40 scientists.

2206 Women in Science: From Antiquity into the Next Millennium

4 credits

A study of the contributions and experiences of women in the traditionally male-dominated field of science. The course will include an

introduction to the basic scientific principles underlying the subject areas studied by selected women scientists. The work of these women will also be explored as illustrations of holistic vs. reductionist approaches to science, the application of the scientific method and data evaluation, and the criteria used for "proof" of an idea. Throughout the course, emphasis will be placed not only on the scientific achievements of women and their struggle for equality, but also on their advances in the context of their work of their contemporary male scientists. Scientific Inquiry.

2210 History of Modern Science (Honors)

4 credits

A course which traces the development of the natural and physical sciences from antiquity to the present. The emphasis will be upon the western scientific community: its origin in the Classical Period, its preservation by the Arabs of the Middle Ages, its reintroduction into Europe during Renaissance, and the emergence of the modern global scientific community. This route will be followed by reading original writings (in translation) of the scientists whose ideas marked the path to modern science.

Course includes mini-labs.

This course is limited to students in the Honors Program.

Scientific Inquiry.

2265; 3365; 4465; Special Topics In General Science

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495; Internships In General Science

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in General Science

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

GEOGRAPHY

The courses in Geography are offered in conjunction with the college education department. The two courses fulfill the International Requirement. No major is offered in this field.

2200 Human Geography: Cultures of the Non- Western World

4 credits

The goal of this course is to explore the cultural geography of non – western developing world. It is based on a multidisciplinary approach, this means thematic topics from subject areas like anthropology, sociology, environmental studies etc are used to study peoples' experiences. The course examines among other major questions: Where are these areas geographically located? What are the common and unique characteristics of the cultural environment that have been created? How have these peoples' cultures impacted the western world and vice versa? Geographic areas and regions studied include Africa, Asia, Latin America, and the Caribbean. International Nonwestern.

2202 Cultural Geography: Non - Arab Islamic Societies

4 credits

This course focuses on the geography of the non – Arab Islamic societies, their cultural traits and experiences. How have they interacted with the natural environment to create Islamic cultural environment? How have their cultural practices impacted Islam and the world? How has westernization impacted their identity, economic, political, and social practices, and vice versa? Among the geographic areas explored are: sub-Saharan Africa, Turkey, Central, South and South-East Asia. Diaspora experiences, especially in Europe and North

America are also studied. Special emphasis will be placed on current issues after September 2001 attacks in the United States. International Nonwestern.

GERONTOLOGY

Professor Rees.

Areas of particular teaching interest: Professor Rees: human relations in the workplace, family.

No major is offered in this field. A minor in Gerontology is available through the Department of Social Work.

Gerontology is the scientific examination of aging from a bio-psycho-social perspective. It is designed to be an interdisciplinary field of study concerned with the physical, mental, and social aspects of life and aging. The Gerontology minor provides a knowledge base in human aging to supplement majors in disciplines where work responsibilities may include contact with older adults. This knowledge base can be applied across a wide range of occupations and professions. The U.S. Bureau of Labor and Statistics has targeted the field of Gerontology as one of the highest growth areas for jobs in the future.

Courses in the minor allow students to explore adulthood and aging processes and development and change that occur biologically, psychologically, and socially. The minor will also provide exposure to ethical thinking, spirituality, policy and social support considerations, cross-cultural factors, and health care issues. Students will examine current theories and research, analyze program, policy, and research issues, and complete an internship in a gerontology setting. The internship experience will be designed to expose students to gerontology work within their fields of study.

Required Courses:

SWK/SOC 2225 Aging: The Individual & Society (4)

BIO 1121 Biology of Aging (4)

PSY 3308 Adulthood and Aging (4)

BIO/PSY/REL/SOC/SWK 3392 Intern. In Gerontology (2)

One from the following:

PHI 1105 Contemporary Issues in Ethics (4)

BIO/PHI 3350 Bioethics (4)

REL 2245 Myths and Rituals of Aging (4)

One from the following:

- PSY 3305 Health Psychology (4)
- SOC 2230 Medical Sociology (4)
- SWK/SOC 3355 Aging and Gender (4)
- SWK 2217 The Institution of Social Welfare (4)
- SWK/SOC 2202 The Family (4)
- REL 2245 Myths and Rituals of Aging (if not used above) (4)

Contact: Dr. Rees, Social Work

HISTORY

Professor T. Evergates; Associate Professors D. Evergates (Department Chair) and P. Miller; Assistant Professors S. Feeley and B. Upton; Visiting Assistant Professor Jakub Zejmis

Professor T. Evergates: medieval and early modern Europe; Professor D. Evergates: Greek and Roman history, women's history; Professor Miller: modern Europe; Professor Upton: modern America, African-American history; Professor Feeley: early Americas.

The study of history is an engagement with the past – the individuals, societies, and civilizations that have shaped the modern world. The History Department offers courses in the social, cultural, and political history of the ancient world, America, Europe, and Asia. History majors have gone on to graduate school and to a wide range of careers, including law, business, education, and government.

Other Educational Options in History: Minors in History, American History, and European History, and Classical Civilization. Teacher Certification Secondary (middle/high school) in Social Studies.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Social Studies.

BASIC MAJOR (44 HRS.)

One course above the 1000-level in each of the following categories: Ancient World or Europe before 1789; Modern Europe (since 1789); America; and Asia. In addition: two seminars at the 3000- or 4000-level; four additional courses, of which three must be at the 2000-level or above; and History 4492 (the capstone).

MINOR IN AMERICAN HISTORY (24 HRS.)

Six courses in American History, one of which must be a 3000- or 4000-level seminar

MINOR IN CLASSICAL CIVILIZATION (24 HRS.)

Six courses Greek or Roman History, Greek or Latin
(Three may be Greek or Latin Language courses; Three must be History courses)

MINOR IN EUROPEAN HISTORY (24 HRS.)

Six courses in European History, one of which must be a 3000- or 4000-level seminar

MINOR IN HISTORY (24 HRS.)

Six courses in History, five of which must be at the 2000-level or above
Three of these courses must be taken at McDaniel College

History Course Descriptions (HIS)

1105 Formation of Western Society *4 credits*

An introduction to the diverse peoples and societies that created what is conventionally termed "Western Civilization." The course focuses on the formative period of that tradition, and provides a firm chronological basis for understanding the interaction, evolution, and achievement of these peoples and societies in the ancient, medieval, and early modern periods.
International Western.

1106 Western Civilization: 1700 to the Present *4 credits*

Reflection on and analysis of Western traditions organized thematically: the Age of Absolutism; the Enlightenment; the French Revolutionary and Napoleonic period; the liberal, national, and industrial forces of the 19th century; imperialism and the issue of power and domination, the political and moral crises of the 20th century.

1109 Survey of Modern U.S. History, 1865-2000

4 credits

An inquiry into the events and forces that have shaped the United States since 1865, including industrialization, urbanization, race relations, reform, social and cultural tensions, and global conflict.

Social, Cultural and Historical Understanding.

1114 Biography as History

4 credits

The study of biography as a genre of historical writing. The course first will consider biographies written in the ancient, medieval, and early modern periods, then will review a variety of modern approaches, ranging from the traditional political and intellectual biography to psychobiography and prosopography.

1134, 1135 Understanding Europe I, II (offered at the Budapest Campus only)

4, 4 credits

This interdisciplinary course offers a comparative study of Europe's history, culture, heritage, political and economic development. Attention is focused on the 20th century: the two World Wars, the division of Europe after 1945, integration in the West, Soviet-type political and economic systems in East-Central Europe; the disintegration of the Communist Bloc and the Soviet Union; new tension and crises; renewed hopes for a unified Europe; European institutions and organizations; Europe's role in world affairs.

Two-semester course.

1152 (FR) Ancient World in History and Film

4 credits

A study of visions of the Greek and Roman past. The course will explore historical sources and archaeology of the Hellenistic and Roman worlds and their reinterpretation by modern filmmakers. Discussion of ancient culture and society, historical authenticity, modern uses of the past. Readings in ancient and modern history and film criticism. Films will include Alexander the Great, Last Days of Pompeii, Spartacus, Cleopatra, and I, Claudius.

1191 Gender and Society in Ancient Greece

4 credits

A study of gender relations and the cultural roles assigned to men and women in the earliest western sources, from the epic society of Homer to the period of the Hellenistic monarchies. Topics will include myth and cult, family law, economy and slavery, medicine, sport, concepts of misogyny, sexuality, and male honor codes. Comparative evidence from ancient and modern Mediterranean societies will also be examined.

2205 Ancient Greece

4 credits

A history of the Greek world from the archaic to the Hellenistic period. Topics include the growth of the polis and problems of early democracy; the religious, social, and cultural structures of classical Athens and Sparta; and Alexander the Great and the creation of Hellenism. Readings will be from literature and drama, rhetoric, and history, with emphasis on Herodotus and Thucydides.

2206 Republican Rome

4 credits

A survey of Roman history from the beginnings to the death of Augustus, the first emperor. Discussion will focus on sources from myth, history, epigraphy, and archaeology. Historians include Livy, Polybius, Plutarch, Sallust, and Cicero.

2207 Archaeology of Greece

4 credits

Introduction to the history of classical archaeology and to the current theories and methods of the discipline through study of archaeological sites and material remains from the Bronze Age to the fourth century B.C.E. The course also includes examination of architecture, painting, and sculpture in their original private, civic, and religious context.

Cross-listed with Art History 2207.

2208 Roman Women

4 credits

A study of Roman women within the evolving moral, religious, familial (patriarchal), political, and economic structures of the Roman world. Emphasis will be on recent methodological

approaches to the study of ancient women through analysis of sources that include historians, legal and medical texts, literature, and art.

2213 The High Middle Ages

4 credits

An examination of the distinctive civilization of Western Europe during the 11th, 12th, and 13th centuries. Emphasis will be on familial and feudal institutions, the rise of monarchies and urban economies, and intellectual and cultural achievements. The course is based largely on primary source readings from autobiographies, chronicles, courtly literature, and legal documents.

2214 Early Modern Europe

4 credits

An examination of the transformation of Western Europe from the 14th through the 16th centuries. Topics include the 14th-century crash, humanism and the Renaissance in Italy, the rise of the Atlantic economies, and reformation movements.

2215 Medieval England

4 credits

The evolution of the English monarchy and society in the Anglo-Saxon, Norman, and Plantagenet periods. Readings include primary sources on the social and constitutional development of England to 1485. Social, Cultural, and Historical Understanding.

2219 Europe in the 19th Century

4 credits

The forces of liberalism, nationalism, and conservatism; the march of industrialism; the emergence of socialism; state building; imperial rivalries; the causes of the First World War. Social and economic themes are blended with political and diplomatic strains.

2220 20th-Century Europe

4 credits

A survey of major scenes in the history of modern Europe. Emphasis will be on the origins and impact of World War I and World War II; the struggle of democracies and the power of fascism and communism between the wars; the restoration of Europe after 1945 and European integration; and the collapse of communism in Eastern Europe.

2221 The Chinese Renaissance

4 credits

Examination of the profound economic, political, social, philosophical, religious, artistic, and technological developments in the Song Empire (960-1279). Readings in scholarly articles and translated primary documents will reveal a flourishing culture of subtle perception and startling achievement that resembles the European Renaissance both in many of its particulars and in its general significance for human civilization.

Cross-listed as Cross Cultural Studies 2221.

2222 Gender and Society in America, Past and Present

4 credits

An examination of women's experiences in American society with special emphasis on attitudes toward sex, the family, the workplace, and the political arena in order to explore the interaction between context and ideology in the process of social change.

2223 Cultural History of Latin American

4 credits

The course provides an overview of the history of Latin American from the 19th century independence struggles to the counterrevolutions of the 1980s and 1990s. Topics include the histories of countries from Mexico to Chile and the role of the US government in the development of modern Latin America. Historical and contemporary culture of Latin America. This course is taught in English. International Nonwestern; Social, Cultural, and Historical Understanding.

2224 Becoming American: Topics in American History

4 credits

An examination of significant cultural, political, and social themes in the history of the United States from 1600 to 1866. Emphasis is placed upon critical reading and written analysis of primary and secondary sources. Multicultural; Social Cultural and Historical Understanding.

2225 Colonial America, 1607-1763

4 credits

An in-depth study of early American culture and history, utilizing primary and secondary sources, focusing on the 17th and 18th centuries. Topics will include social structure, labor systems, family life, political culture, and issues of race and ethnicity.

Multicultural; Social Cultural and Historical Understanding.

2226 Revolutionary America and the New Nation, 1763-1840

4 credits

An examination of the political, social, and economic issues that led to the American Revolution and that shaped the United States' early growth and development as an independent nation. Special attention will be given to issues of race and gender, industrialization and urbanization, and political culture.

Social Cultural and Historical Understanding.

2229 U.S. History in the Cold War Era, 1890-1920

4 credits

A survey of some of the main currents in United States history since the end of the Second World War. Topics include: the Cold War, the Civil Rights Movement, the countercultural movement, and the Post-Cold War Era.

Social, Cultural, and Historical Understanding.

2231 History of East Asia to 1600

4 credits

Survey of the history of China, Korea, and Japan, from mythical times to 1600. Although this survey outlines the individual histories of China, Korea, and Japan, it emphasizes the cultural continuities and historical interactions that have made "East Asia" a coherent cultural region: shamanism, writing systems, rituals of kingship, Buddhism, Confucianism, literature and visual arts, technological development, travel, commerce, and war.

Cross-listed with Cross Cultural Studies 2231. International Nonwestern.

2232 History of East Asia since 1600

4 credits

Survey of East Asian history from 1600 to the present. This course maps the intersections and divergences in the histories of China, Korea, and Japan during the past four hundred years, from the Japanese invasion of Korea in 1592, the global economic crisis in the seventeenth century, and the Chinese domination of the world market in the eighteenth century, to the violent encroachment on East Asia by imperialist powers in the nineteenth century, the reforms and revolutions of the turn of the twentieth century, the massive destruction during the Second World War, and the political and economic developments of recent decades. Cross-listed with Cross Cultural Studies 2232. International Nonwestern.

2233 Women in the U.S. History

4 credits

This course surveys the ways in which women have influenced United States history and how their stories and experiences have been omitted from the mainstream telling of the national history.

Multicultural; Social, Cultural, and Historical Understanding.

2234 Evolution of American Freedom

4 credits

Drawing on primary documents and recent scholarship, this course traces the evolution of the concept of Freedom in the United States. How was it defined, and how has the concept changed?

Social, Cultural, and Historical Understanding.

2235 U.S. History in the Progressive Era, 1890-1920

4 credits

An exploration of one of the more controversial periods in U.S. history: the course will consider the meaning of progressivism and will examine the social, political, and cultural forces acting upon the country during this period.

Social, Cultural, and Historical Understanding.

2236 Black America and the Civil Rights Era, 1896-1968

4 credits

This course begins with a series of Supreme Court decisions at the end of the 19th century

to assess the factors that led to the formation of the mid-20th century movement for civil rights, a century of struggle in Black America, from Plessy v. Ferguson to the assassination of Martin Luther King Jr.

Multicultural; Social, Cultural, and Historical Understanding.

3302 The Civil War and Reconstruction, 1840–1877

4 credits

An examination of political, social, and economic conflicts and change in mid 19th-century America that led to the Civil War. The course will also explore the impact of the war on American society and the process of national reunification.

3305 Seminar: Rome, The Early Empire

4 credits

A seminar on Rome and its empire in the first two centuries of the modern era. Topics include the development of monarchy and the decline of old Roman values, the growth of early Christianity, and the spread and transformation of Roman culture and technology through contact with Europe and the Eastern Empire.

3315 Seminar: Early European Society

4 credits

A seminar on the political, social, and familial life of the peoples who settled in Western Europe after the fall of the Roman Empire. The course will consider the reasons for the collapse of the Empire as well as the ways in which the new peoples accommodated and preserved Mediterranean culture. Readings will be drawn from both primary sources and recent interpretive studies.

3316 Seminar: The Crusades

4 credits

A seminar based on the close reading of eyewitness accounts of the crusades. The course will include discussion of recent interpretations of the crusades and their significance for Europe and the Mediterranean world.

3317 Seminar: The Renaissance of the Twelfth Century

4 credits

This seminar will examine the twelfth century as formative one for European culture in that the

written word began to permeate every facet of life: government records, private letters, memoirs, autobiographies, epics, romances, and contracts were written down, often for the first time, creating a large and varied body of records depicting the thoughts and practices of twelfth-century people. We will examine these primary sources to consider how literate ways of thinking and doing transformed European culture as profoundly as the print revolution of the fifteenth century Textual Analysis.

3324 Seminar: The American Revolution as a Social Movement

4 credits

An exploration of the Revolutionary experience. Emphasis is on a study of class structure, military conflict, and social and political consequences both during and immediately after the Revolution through a study of primary and secondary source materials.

3328 Seminar: African-American History

4 credits

Readings and discussions of selected topics in African-American history drawing on primary and secondary sources, novels, and material culture. The specific topic the seminar will examine, such as slavery, racism, community and family, and black nationalism, will change each offering of the course.

3330 Brushes with Power: Text and Writing in Imperial China

4 credits

The power of the written word in ancient and imperial China, 1600 BCE–1912 CE. Writing does not merely serve to record facts, nor are texts simply vehicles of information. Rather, writing is a cultural practice and a text is an historical object, both possessed of the power to affect human interaction and transform the physical landscape. Through a combination of scholarly articles and translations, this course explores topics such as bronze inscriptions and political legitimacy, stone inscriptions and ritual performance, writing and truth in miracle tales, writing and merit in Buddhist scriptures, calligraphy and authorial presence, writing and virtue in female poetry, and transformations of text and reading in the age of printing.

3331 Gender and the Family in China

4 credits

Examination of the changing constructions of gender and the shifting configurations of the family, from imperial times to the present.

Primary sources (in translation) and secondary literature together convey how changing notions of kinship, property, ritual, space, and the body have informed notions of gender in China, from the traditional courtyard house to the modern high-rise apartment.

Cross-listed with Cross Cultural Studies 3331.

4492 History Colloquium

4 credits

A seminar in which senior history majors prepare and defend a substantial paper.

1165; 2265; 3365; 4465 Special Topics in History

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in History

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in History

0-4 credits

Directed study with permission of the Department.

HONORS PROGRAM

Associate Dean of Academic Affairs/Director of Honors Program/Associate Professor G. McKay.

Honors students are required to take Great Works of the Western World I and II in their first year at McDaniel College. Students are also required to take four honors electives that are designated Honors level courses. These courses change each semester and are announced prior to Registration on the Honors Blackboard site and at the general meetings. As

topics continually rotate, they are not listed here. It is advised, but not required, that students take an elective each semester of their sophomore and junior years.

Students must pursue departmental honors in at least one major. It the responsibility of the honors student to inquire as to the requirements for departmental honors, as each department sets its own criteria. Students must participate in the Senior Honors Seminar in the Spring of the senior year.

Honors Program Course Descriptions

(CLT)

2219 Great Works of the Western World I

4 credits

Representative masterworks of European culture from ancient times through the Renaissance.

Textual Analysis.

2220 Great Works of the Western World II

4 credits

Representative masterworks of European culture from the Enlightenment to the present. Social, Cultural, and Historical Understanding.

(IDS)

4491 Honors Seminar

1 credit

A seminar for the senior year of the Honors Program during which students pursue a topic in-depth and write an Honors paper.

Prerequisite: enrollment in the Honors Program

HUMAN RESOURCES DEVELOPMENT

No major is offered in this field. A minor in Human Resources Development is offered through the Department of Psychology.

HUMAN RESOURCES DEVELOPMENT MINOR (24 HRS.)

Required:

PSY 1106 Introduction to Psychology or

SOC 1104 Introduction to Global Societies

PSY/BUA 2220 Psychology in the Workplace

SOC 2410 Work and Occupations
Internship or Independent Study in Human
Resources Development (4 credits)

Two courses from:

COM 3326 Organizational Communication
BUA 2214 Principles of Management
BUA/SOC/SWK 3325 Managing Systems in
a Macro-Environment
BUA/PHI 2210 Ethics & Business
BUA/PSI 3305 Public Administration
PSY 2265 Topics in Psychology (Course
must emphasize industrial or organizational
issues)
PSY 2204 Social Psychology

Recommended:

STA 2215 Elem. Statistics for Social Science
PSY 2223 Psychological Methods & Statistics I
(lab included)
PSY 2224 Psychological Methods & Statistics
II (lab included)
COM 2203 Communication Research
Methods: Quantitative
COM 2204 Communication Research
Methods: Qualitative
SOC 3358 Research Methods in Sociology

Contact: Dr. Hughes

INTERDISCIPLINARY STUDIES

Associate Professor D. Evergates (Coordinator)
and faculty members from the Departments
involved.

*Interdisciplinary Studies Course Descriptions
(IDS)*

Courses are often approved as special topics on
a semester by semester basis. Please consult the
Schedule of Classes booklet for the offerings
each semester. The following courses appear
regularly in the curriculum.

1107, 1108 Women in Western Culture 4, 4 credits

A two-semester interdisciplinary study of the
status and role of women in the western world.
The first semester covers the period from
pre-classical to the French Revolution. The
second semester covers the period from the
French Revolution to the present.

1135 American Cultural Diversity

4 credits

This course will introduce students to issues of
cultural, ethnic, racial, and artistic diversity in
American culture through comparative study
focusing primarily on musical artistic
expression.

Social, Cultural, and Historical Understanding
Cross-listed with MUS 1135.

1152 (FR) African-American Culture: Three Perspectives

4 credits

This interdisciplinary course explores African-
American culture from a literary, musical, and
sociological perspective. While these perspectives
represent distinct fields of study, they also
intersect and complement one another.

Exploring a text from various vantage points,
provides a fuller context and broadens and
complicates its interpretation. Such a
multidisciplinary approach leads students to
a fuller understanding and appreciation of
the specific works under consideration and
of African-American culture as a whole.

1161 (FR) Crime and Detectives: Three Perspectives

4 credits

This team-taught interdisciplinary course
explores both crime and its detection from liter-
ary, criminological, and scientific perspective.
The literary portion of the course traces the
development of the detective as hero, the
antagonist as criminal, and the ways in which
narrative patterns and societal attitudes have
evolved in the Anglo-American detective story
since the 1840s. The criminological section of
the course focuses on the realities underlying
fictional portrayals of crime solving, which vary
markedly depending upon the identity of the
victim and perpetrator, the setting, and the
time period. The forensic section of the course
explores the scientific aspect of crime solving.
Topics include characterization of a crime scene,
analysis of hair and fibers, arson and explosives,
forensic serology, DNA testing, fingerprint,
firearms, and document and voice analysis.

2201 Issues in American Studies

4 credits

An introduction to the interdisciplinary study of American Culture through the reading and discussion of selected significant primary works.

2211 Feminism and Women's Lives in the 21st Century

4 credits

What is feminism and why do we still need it in the 21st century? This course will examine this question with particular emphasis on the issues that affect U.S. women in their day-to-day lives, including wage equity, balancing careers and family responsibilities, the politics of the body, race, and class.

2212 Psychology of Gender

4 credits

This course offers an examination of the psychological and behavioral differences between men and women. The origin of gender differences will be addressed from biological, developmental, and social psychological perspectives. This class will use psychological research and theory to examine how gender differences affect the functioning of men and women in work, relationships, health, etc. Emphasis will be placed on understanding gender as a social psychological construct.

2215 The Arab World

4 credits

This course will offer an introduction to and an overview of the history, culture, politics and current events of the Arab world in the Middle East and Africa. The students will also be introduced to the Arab-American community and its contribution to culture and politics in the United States. One integral part of the class is a daily discussion of current events in the Arab World, US policy toward the Middle East, the Israeli-Palestinian conflict, and the US war on terrorism. International Nonwestern.

Cross-listed with Cross Cultural Studies 2215.

2401 Nations and Religions: Majorities and Minorities in Modern Central and Eastern Europe (offered only on the Budapest Campus)

4 credits

Topics of the course include the ethnic composition of the population and the formation of nations in the region as compared to other parts of Europe. Specific attention given to: Christians and pagans, Jews and Anti-Semitism, the aftermath of World War I, the Holocaust, national minorities and majorities in the Soviet Bloc, the so-called Annus Mirabilis and its aftermath.

4491 Honors Seminar

1 credit

A seminar for the senior year of the Honors Program during which students pursue a topic in-depth and write an Honors paper. During the junior year, the topic for the following year's seminar is chosen and announced.

Prerequisite: enrollment in the Honors Program.

JANUARY TERM

January Term is a three-week term between the fall and spring semesters in which students and faculty explore new areas and expand their intellectual horizons. Students choose from specially designed courses offered on and off campus. Some students take advantage of January Term for independent off-campus study or join one of many study tours abroad.

All students must complete one two-credit Jan Term course. Jan Term courses to be offered in 2008 include the following:

ART 1187 Southern Italy and Sicily Through the Lens

ART 1141 Modern Photography in the Digital Age

ASL 11xx Dominican Republic and

Educational Life Experiences of the Deaf

BIO 1172 Tropical Marine Biology

BIO 2295 Medical Internship

BUA 1140 Consensus Leadership Process

EDU 1139 The Kenya Village Experience: Life under African Sky

EDU 2100 School-Based Internship in a Diverse Setting

EPS 1140 The Philippines: An experiment in community-based coastal conservation

IDS 1110 Volunteer in Guatemala
 IDS 1134 The Chronicles of Narnia
 IDS 1144 Fishing and Diving in Belize
 MSC 1110 American Military History
 PHI 1177 Tai Chi Chuan: The Movement of
 Dao
 PSI 1140 Culture and Politics in Cameroon
 PSY 1140 Coping with Stress
 PSY 1142 The First Relationship: Attachment
 Theory and Its Applications
 PSY 2274 Introduction to Clinical Psychology
 REL 1142 Religions and Criminal Justice
 REL 1144 Landscapes of Memory, Routes of
 Hope Study
 Journey to Poland, Israel and Jordan
 SOC 1192 Correctional Facilities: Fact and
 Fiction
 THE 1144 London, Stratford, Dublin:
 Theatre Tour
 THE 1174 Auditioning and the Business of
 Acting

MATHEMATICS

Professors Rosenzweig and Simonelli
 (Department Chair); Assistant Professors
 Hamblen, Miner More, and Naumov; Lecturer
 Boner.

Areas of particular teaching interest:
 Professor Rosenzweig: differential topology, set
 theory and logic, singularity theory; Professor
 Simonelli: probability statistics and graph
 theory; Professor Hamblen: algebra and
 number theory.

The Mathematics Department is dedicated
 to providing each Mathematics major with the
 highest level program that a student can
 manage, and providing individual help and
 attention to each student. To accomplish this,
 in addition to regular courses, advanced courses
 are offered for small numbers of students who
 will benefit from a particular subject. Recent
 courses have included Differential Topology,
 Galois Theory, Set Theory, Tensor Analysis, and
 Chaos Theory and Dynamical Systems. The
 Mathematics program is broad enough in
 scope that students taking the basic major in
 Mathematics are provided the groundwork for
 a variety of careers, as well as having a thorough
 preparation for graduate study. Students also
 have the opportunity through the topics

courses, the problem seminars, the independent
 studies courses, and electives to focus on
 individual needs and objectives.

Every Mathematics major who has applied
 to graduate school has been admitted to a high-
 ly ranked university and has received either a
 fellowship or a teaching assistantship. Alumni
 of our programs have gone on to do graduate
 work at such schools as Brandeis University,
 The University of California at Berkeley, The
 University of Pennsylvania, Harvard University,
 Michigan State University, the UMBC,
 Washington University in St. Louis, Cornell
 University, The Johns Hopkins University,
 North Carolina State University, SUNY at
 Stony Brook, University of Virginia, and
 Virginia Institute of Technology.

Almost every graduate of our program is
 currently working in a professional position
 under the general titles of "mathematician,"
 "systems analyst," "actuary," "statistician," etc.,
 at the National Security Agency, The Pentagon,
 IBM, the Hewlett Packard Corporation,
 NASA, the Department of Defense and various
 actuarial firms. The Mathematics-Education
 majors have been eagerly sought by school
 systems throughout the region.

Other Educational Options in
 Mathematics: Teacher Certification Secondary
 (middle/high school). Mathematics can also be
 combined with other disciplines (e.g., Biology,
 Business Administration and Economics,
 Chemistry, Computer Science, Physics, and
 various social sciences) through dual majors,
 double majors, or a student-designed major. A
 minor is available in Mathematics.

*Please see the Education section under
 Academic Programs in this catalog for teacher
 certification requirements in Mathematics.*

*Please see the Dual Major section for dual
 majors with Biology, Computer Science,
 Economics, and Physics.*

Departmental Honors in Mathematics

In order to graduate with honors in
 Mathematics, a Mathematics major must
 complete at least two independent studies
 courses in a single topic over two semesters.
 Declaration of the intent to graduate with
 honors must be made to the head of the
 Department by the beginning of the second

semester of independent studies. The project will consist of a paper and a one-hour talk, which must be judged worthy of honors by the Department. The student must also maintain a 3.50 GPA in the Mathematics courses taken.

BASIC MAJOR (47 HRS.)

- MAT 1118 Calculus II
- MAT 2218 Linear Algebra
- MAT 2219 Calculus III
- MAT 2224 Fundamentals of Mathematics
- MAT 3305 Introduction to Mathematical Analysis
- MAT 3316 Complex Analysis
- MAT 4406 Abstract Algebra
- MAT 4494 Capstone Experience in Mathematics (1 hr.)

At least three courses at the 2000 level or higher (excluding MAT 2242, 2295, 3342, 3395, 4495), one of which can be a computer science course

At least two hours of Mathematics Problem Seminar

CSC 1106 The Art of Programming

Suggested First-Semester Schedule:

- MAT 1118 (or placement)
- English Composition or Foreign Language
- First Year Seminar
- Elective

MINOR IN MATHEMATICS (24 HRS.)

- MAT 1118 Calculus II
 - MAT 2218 Linear Algebra
 - MAT 2224 Fundamentals of Mathematics
- At least three courses from:
- MAT/CSC 2210 Numerical Methods
 - MAT 2219 Calculus III
 - MAT 3304 Differential Equations
 - MAT 3305 Introduction to Mathematical Analysis
 - MAT 3316 Complex Analysis
 - MAT 3323 Probability
 - MAT 3324 Mathematical Statistics
 - MAT 3328 Operations Research
 - MAT 3335 Stochastic Processes
 - MAT 3336 Number Theory
 - MAT 4406 Abstract Algebra

Mathematics Course Descriptions (MAT)

1001 Basic Mathematics

0 credits

Review of basic mathematical concepts including the properties and operations of whole numbers, fractions, decimals, and integers; percents; ratios and proportions; basic geometry; and graph interpretation.

1002 Basic Algebra

0 credits

Review of basic algebraic skills. Topics include operations with polynomials, solving equations and inequalities, factoring polynomials, operations with rational expressions, graphing linear equations, solving systems of equations, and square roots.

Prerequisite: Passing the arithmetic section of the mathematics proficiency examination or permission of the instructor.

1106 Finite Mathematics With Applications

4 credits

Insight into the way mathematicians approach problems in other disciplines, through the study of the following topics with applications: lines, matrices, linear programming, counting techniques, discrete probability, graph theory, and game theory.

The course is designed primarily for non-Mathematics majors.

Prerequisites: Mathematics 1001, Mathematics 1002 or placement.

Quantitative Reasoning.

1107 College Algebra and Trigonometry

4 credits

The basic concepts of algebra and trigonometry needed for the study of calculus. Included are properties of exponents; solving equations and inequalities; graphing; properties of polynomial, exponential, logarithmic, and trigonometric functions.

Prerequisites: Mathematics 1001, Mathematics 1002 or placement.

Quantitative Reasoning.

1109 Discrete Mathematics

4 credits

An introduction to mathematical reasoning, discrete structures, and foundations of algo-

rithm analysis. Possible topics include propositional and predicate logic, proof techniques including mathematical induction, recurrences, sets, relations, pigeonhole principle, combinatorics, graphs, discrete probability, and number theory. *Prerequisites:* Mathematics 1001 and Mathematics 1002 or placement. *Co-requisite:* Mathematics 1107 or placement. Quantitative Reasoning. Cross-listed with Computer Science 1109.

1117 Calculus I

4 credits

Initial study of limits, derivatives and integrals; review of trigonometric functions; differentiation techniques and formulas applied to rational and trigonometric functions; applications of derivatives including curve sketching; extrema and rate problems; definition of the integral; elementary applications of integrals.

Prerequisite: Mathematics 1107 or placement by the Department.

Quantitative Reasoning.

1118 Calculus II

4 credits

Further study of the trigonometric, exponential, and logarithmic functions and their derivatives, methods of integration; parametric equations; polar coordinates; sequences, infinite series, and power series.

Prerequisite: Mathematics 1117 or placement by the Department.

Quantitative Reasoning.

2210 Numerical Methods

4 credits

An introduction to numerical methods for solving problems from calculus and linear algebra, including the solution of a single non-linear equation, the solution of linear systems, interpolation and approximation, differentiation and integration, and the solution of eigenvalue problems.

Prerequisites: Computer Science 1106, Mathematics 1118.

Cross-listed with Computer Science 2210. Offered in 2006-2007 and alternate years.

2218 Linear Algebra

4 credits

A study of the theory of finite-dimensional vector spaces, linear transformations, matrices,

determinants, inner products, and eigenvalues.

Prerequisites: Mathematics 1117 or 1118 or placement by the Department.

Quantitative Reasoning.

2219 Calculus III

4 credits

A study of functions of several variables.

Topics include partial derivatives, directional derivatives, multiple integrals, the structure of Euclidean n -space, E_n , functions from E_m to E_n , line and surface integrals, Green's and Stokes' Theorems.

Prerequisites: Mathematics 1118 or placement by the Department.

Quantitative Reasoning.

2224 Fundamentals of Mathematics

4 credits

A transition course from the technical problem solving of the calculus courses to the rigorous theorem proving courses of advanced mathematics. Introductions to logic and set theory, including the algebra of sets, functions, and relations, with examples from number theory, analysis and abstract algebra.

Prerequisite: Mathematics 1117 or permission of the Department.

Quantitative Reasoning.

2242 Mathematical Structures I

4 credits

An introduction to selected topics in mathematics, including sets and operations involving sets, numbers and numeration, operations and algorithms involving whole numbers, integers, rational numbers, and algebra.

This course does not count toward the major in Mathematics, and is open to those students preparing to teach in the elementary education.

Prerequisites: Mathematics 1001, Mathematics 1002 or placement.

3304 Differential Equations

4 credits

Linear differential equations with applications in the physical, biological, and social sciences; series solutions; systems of linear differential equations; approximation methods; the Laplace transform; Fourier series; the heat equation.

Prerequisite: Mathematics 1118.

Offered in 2006-2007 and alternate years.

3305 Introduction to Mathematical Analysis

4 credits

A treatment of the theory of elementary calculus including functions limits, sequences, series, uniform continuity, derivatives and Riemann integration, topological properties of the real numbers.

Prerequisite: Mathematics 2224.

3310 History of Mathematics

4 credits

A study of the development of mathematics from primitive counting systems to modern mathematics, with particular emphasis on the 17th century.

Prerequisites: Mathematics 1117 and 2224.

Offered in 2006-2007 and alternate years.

3312 Real Analysis

4 credits

A study of the convergence of sequences and series of functions; polynomial approximation; interchange of limit processes; the Lebesgue integral.

Prerequisite: Mathematics 3305.

Offered as needed.

3314 Theory of Computation

4 credits

This course studies the abstract models of machines and languages recognized by them, and introduces the concept of computability. This course not only serves as the theoretical foundation of computer science, but also has wide application to programming languages, linguistics, natural language processing, compiler design, and software design. Topics include finite automata and regular languages, push-down automata and context-free grammars, grammar transformations and normal forms, Turing machines and computable functions, and unsolvable problems including the halting problem.

Prerequisite: Computer Science/Mathematics 1109 or Mathematics 2224. Recommended: Computer Science 2217.

Cross-listed with Computer Science 3314.

3316 Complex Analysis

4 credits

An introductory course in the theory of functions of a complex variable; properties of analytic functions, classical integral theorems, Taylor and Laurent expansions, and applications.

Prerequisite: Mathematics 2219 and 3305 are recommended.

3322 Fundamental Concepts of Geometry

4 credits

The foundations and evolution of geometry; selected topics from Euclidean and non-Euclidean geometries, projective geometry, affine geometry; studies in the nature of proof and famous geometric problems.

Prerequisites: Mathematics 1117 and 2224.

Offered in 2007-2008 and alternate years.

3323 Probability

4 credits

A study of sample spaces, counting techniques, discrete and continuous random variables and related moments; binomial, Poisson, normal and other probability distributions; Chebychev inequality, central limit theorem.

Prerequisite: Mathematics 1118, Mathematics 2219 is recommended.

3324 Mathematical Statistics

4 credits

A systematic treatment of statistics from a theoretical point of view; sampling distributions, decision theory, estimation, hypothesis testing, modeling, and applications.

Prerequisite: Mathematics 3323.

Offered as needed.

3328 Operations Research

4 credits

A survey of topics from Operations Research: linear programming, computer applications using the Simplex Algorithm, dynamic programming, inventory control, queuing problems, network analysis, and game theory.

Prerequisites: Computer Science 1106, Mathematics 3323, Mathematics 3324 or 3335 is strongly recommended.

Offered as needed.

3335 Stochastic Processes

4 credits

A study of Markov Chains, stable distributions for regular chains, absorption probabilities, computer simulations, Poisson process, and birth-death process.

Prerequisite: Mathematics 3323.

Offered as needed.

3336 Number Theory

4 credits

An introduction to the theory of numbers: divisibility, primes, unique factorization, congruences, Euler's phi-function, Fermat's and Wilson's theorems, quadratic reciprocity, perfect numbers and applications to Diophantine equations.

Prerequisite: Mathematics 2224.

Offered in 2005-2006 and every third year.

3342 Mathematical Structures II

4 credits

A continuation of an introduction to selected topics in mathematics. This course includes the development of the following topics: algebra, geometry, measurement, statistics, and probability.

This course does not count toward the major in Mathematics, and is open to those students preparing to teach in elementary school.

This course does not meet the National Science and Mathematics requirement.

Prerequisites: Mathematics 1001, Mathematics 1002 or placement, Mathematics 2242.

3391; 3392; 4491; 4492 Mathematics Problems Seminar

1 credit

Consideration of problems chosen from diverse areas of mathematics and mathematical ideas outside of a course context. The problems considered vary from year to year.

4406 Abstract Algebra

4 credits

A presentation of the theory of groups, rings, and fields through a study of topics selected from: homomorphisms, isomorphism theorems, Lagrange's theorem, the Sylow theorems, principal ideal domains, Euclidean domains, unique factorization domains, polynomial rings over a field, construction with straight edge and

compass, and finite fields.

Prerequisite: Mathematics 2224.

Offered in 2005-2006 and alternate years.

4409 Topology

4 credits

An introduction to the basic notions of topological spaces, which are the foundation for analysis and calculus. Topics include basic set theory, the axioms and specific examples of topological spaces, connectedness and compactness, separation axioms, continuous function, and homotopy theory.

Offered as needed.

4494 Capstone Experience in Mathematics

1 credit

All senior Mathematics majors will read an expository paper in one of the mathematics journals and make written oral reports on the topic discussed in the article. The article will be chosen in consultation with a member of the Department of Mathematics and Computer Science.

Offered in the fall semester.

2265; 3365; 4465 Special Topics In Mathematics

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in Mathematics

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies In Mathematics

0-4 credits

Directed study planned and conducted with reference to the needs of students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

MILITARY SCIENCE

Lieutenant Colonel Schumaker (Department Chair), Captains Gump and Worthy, Master Sergeant Flores, Sergeant First Class Perry, Mr. Williams, and Mr. Harris.

No major is offered in this field; however, Military Science can be an integral part of a student-designed major/minor or an elective for any major.

The Army Reserve Officers' Training Corps (ROTC) program has been a part of McDaniel College since 1919 and is one of the oldest programs in the nation. Through this program, men and women are commissioned as Army officers with a rank of Second Lieutenant upon graduation. Students can be guaranteed service as an officer with the Army Reserve or Army National Guard or serve full-time with the Active Army.

The courses are designed to develop the leadership ability of each student. Freshman and sophomore students can enroll in the program without obligating themselves to service to the Army. Freshman courses meet for one hour each week and sophomore courses for two hours. Junior and senior courses are designed for cadets selected by the Professor of Military Science to advance forward to commissioning and meet for three hours each week. Cadets attend a one day leadership laboratory providing action and experiential learning in military and leadership skills such as rappelling, rifle marksmanship, first aid, patrolling, radio communications, and water survival.

Other optional activities are available for Army cadets including helicopter rappelling, mountaineering, parachuting, winter survival training in Alaska, and temporary assignments in active Army units throughout Korea, Europe, and the United States. Cadets can attend the Leadership Training Course and/or the Leadership Development Assessment Course. These are 4-week summer camps designed to hone military and leadership skills. The Ranger Platoon is a cadet-run organization open to all cadets that specializes in adventure training such as rappelling, patrolling, mountain operations, and river operations. Once each year they compete against 30 other schools in a

two-day competition of physical and military events.

All students, freshman through senior, can compete for Army ROTC scholarships worth over \$33,000 per year. These merit scholarships pay full tuition and a substantial book allowance of \$900 per year. Recipients receive a monthly stipend of \$300 per month as a freshman, \$350 as a sophomore, which rises to \$450 as a junior to \$500 per month by the senior year during the academic school year. McDaniel College generously supplements the Army's scholarship benefits for all students who are Army ROTC scholarship winners. These additional benefits consist of the room and board costs.

Non-scholarship cadets entering the junior year and all scholarship recipients are obligated to military service as an Army officer. Non-scholarship cadets receive the book allowance of \$900 per year and the living expense stipend of \$450 (juniors) or \$500 (seniors). Officers serve in a variety of fields, including aviation, medical, personnel, armor, finance, artillery, communications, infantry, law enforcement, and engineering.

Military Science Course Descriptions (MSC)

1101/1102 Foundations of Officership/Basic Leadership

1.5 credits

First Semester: Foundations of Officership.

The course examines the unique duties and responsibilities of an Army officer. This includes an introduction to the organization and roles of the Army in American society. Students discuss basic leadership traits and skills such as interpersonal communication and team-building. Students also analyze Army values and ethical leadership.

Second Semester: Basic Leadership. The course presents fundamental leadership concepts and doctrine. Students learn effective problem-solving skills and apply active listening and feedback skills. Students also examine factors that influence leader and group effectiveness. An overview of the officer experience is given.

2201/2202 Individual and Leadership Studies/Leadership and Teamwork

2.5 credits

First Semester: Individual and Leadership Studies. Students develop introspective knowledge of self, individual leadership skills, and self-confidence. Students further develop their problem-solving and critical-thinking skills while applying more advanced communication, feedback, and conflict resolution skills.

Second Semester: Leadership and Teamwork. The focus is on self-development guided by knowledge of self and group processes. Course challenges student beliefs, knowledge, and skills. Students learn and execute squad-level battle drills.

3301/3302 Leadership and Problem Solving/Leadership and Ethics

3 credits

First Semester: Leadership and Problem Solving. The course examines basic skills that contribute to effective problem solving. Students analyze the role officers played in the transition of the Army from Vietnam to the 21st century. Students learn how to execute the Leadership Development Program. An analysis of military missions and planning military missions is conducted. Students learn and execute platoon-level battle drills.

Second Semester: Leadership and Ethics. Students probe leader responsibilities that foster an ethical command climate. Focus is on developing leadership competencies, studying leader responsibilities. Students apply techniques of effective written and oral communication. Students learn and execute platoon-level battle drills.

4401/4402 Leadership and Management/Officership

3 credits

First Semester: Leadership and Management. The course builds on the Leadership Development Assessment Course experience by focusing on how to solve organizational and staff problems. Students discuss staff organization, functions, and processes. An analysis of leader counseling responsibilities and methods is undertaken. Students also examine principles of motivating subordinates and organizational

change by applying leadership and problem-solving principles to complex case studies and simulations.

Second Semester: Officership. Capstone course designed to explore topics relevant to second lieutenants entering the Army. Students learn to describe the legal aspects of decision-making and leadership. They analyze Army operations from the tactical to strategic levels while also assessing administrative and logistics management functions. Finally, students perform platoon leader actions and examine leader responsibilities that foster an ethical command climate.

MUSIC

Professors Boudreaux and Caldwell (Department Chair); Associate Professor Armstrong; Senior Lecturers Eckard, Engler, Kirkpatrick, and Kreider; Lecturer Byrd, Adjunct Lecturers Anderson, Cooke, Currie, Dix, Duree, Hanel, Hooks, Horneff, Jenkins, Johnson, Murray, Niles, Ryon, Seligman, and Wirth.

Areas of particular teaching interest:

Professor Boudreaux: choir, conducting, music history, the course Music, Mind, and Brain; Professor Armstrong: music history, world music, early music; Professor Caldwell: theory and composition; Professor Byrd: gospel choir, jazz piano; Professor Eckard: jazz, electric bass; Professor Engler: voice; Professor Kreider: piano; Professor Kirkpatrick: band, flute, chamber music, conducting.

The Music Department provides opportunities for both the major and non-major student to develop their musical talents by offering courses for both disciplined growth and creative development. Recitals and concerts are performed each semester by faculty, students, and such organizations as the College Choir, Band, Jazz Ensemble, and various other performance ensembles.

College policy limits the number of credit hours taken in vocal and instrumental ensembles such as MUE 1101-1125 to eight of the 128 hours required for graduation.

Other Educational Options in Music: The department also offers a minor in Music, minor in Jazz Studies, teacher certification in Music (P-12, either choral or instrumental),

specializations in Music Theory and Composition, Music History and a dual major in Music and Theatre.

Applied Music courses do not fulfill the Humanities Distribution requirement.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Music.

Please see the Dual Major section for dual majors with Theatre Arts.

Departmental Honors

Music majors may graduate with honors if they fulfill the following requirements:

- Maintain a 3.50 GPA in all music courses.
- Complete a special project to be connected with the senior recital, which must produce a written document. This project may take the form of a lecture-recital, composition and/or arrangement (see Composition Major), or a research paper.
- The student is required to work closely with an advisor on the project, and must formally declare the intent to pursue the project with that advisor and the Department Chair by the mid-terms of the semester before the semester of the recital. A formal proposal must be approved by the advisor and chair by the end of that semester. Interested students are encouraged to talk with their advisor about this as soon as possible.

Final decision regarding honors status will be based on an acceptable level of quality of the project as determined by the advisor and department chair.

BASIC MAJOR (48 HRS. PLUS COURSES NEEDED TO PASS PROFICIENCY REQUIREMENTS)

MUT 1131 Music Theory I
MUT 1132 Music Theory II
MUT 2201 Advanced Music Theory I
MUT 2202 Advanced Music Theory II
MUS 1204 Aural Training/Musicianship Exam

3 Music History/Literature courses to be chosen (1 each) from the following categories:

Western Art Music

MUL 2203 European Music Before 1750
MUL 2204 European Music After 1750
MUL 2205 History and Literature of the Piano

MUL 2214 Masters in Music
MUL 2236 Baroque Explosion
MUL 2237 Romanticism and Beyond
MUL 2240 History of Choral Music

American Music

MUL 2208 Music in the United States
MUL 2210 History of Jazz
MUL 2216 History of Musical Theatre,
MUL 2224 History of Film Music
MUL 2235 History of Gospel Music
MUL 2232 History of African-American Music and Community

World Music

MUL 2212 World Music
MUL 3100 World Music Pedagogy
MUL 2231 Music of Africa and the Diaspora

An additional 2000-level+ elective in Music History or Theory

Eight hours of aural skills (as needed for proficiency)

Six hours of piano as needed for proficiency or MUS 1201 (Piano Proficiency Exam)

Eight hours of applied music lessons, one major instrument preferred*

Participation in a Department musical performance group each semester in residence
Attendance at a minimum of five (5) departmentally sponsored concerts or recitals per semester

The Junior Writing Requirement

MUS 4205 Capstone - One public recital

*Six of the eight credits in applied music lessons must be on the student's major instrument or voice. The three semesters prior to and including the semester of the senior recital must include applied study on the major instrument (the instrument of the recital). Transfer students must complete four of the eight required applied credits in their program on their major instrument and perform their senior recitals at McDaniel College.

Suggested First-Year Schedule:

English Composition (based on placement)
First Year Seminar
MUT 1131
MUT 1132
MUS 1141 Piano Lab I (as needed for proficiency)

MUS 1142 Piano Lab II (as needed for proficiency)
 MUT 1102 Aural Training I (as needed for proficiency)
 MUT 1103 Aural Training II (as needed for proficiency)
 Applied Music lessons
 Performance Ensemble
 Three General Education Requirements
 Physical Education

Contact: Dr. Boudreaux, Music

MUSIC - THEORY AND COMPOSITION (56 HRS. PLUS COURSES NEEDED TO PASS PROFICIENCY REQUIREMENTS)

Required Courses:

MUT 1131 Music Theory I
 MUT 1132 Music Theory II
 MUT 2201 Advanced Music Theory I
 MUT 2202 Advanced Music Theory II
 MUT 3309 Counterpoint
 MUT 3310 Form & Analysis

3 Music History/Literature courses to be chosen
 (1 each) from the following categories:

Western Art Music

MUL 2203 European Music Before 1750
 MUL 2204 European Music After 1750
 MUL 2205 History and Literature of the Piano
 MUL 2214 Masters in Music
 MUL 2236 Baroque Explosion
 MUL 2237 Romanticism and Beyond
 MUL 2240 History of Choral Music

American Music

MUL 2208 Music in the United States
 MUL 2210 History of Jazz
 MUL 2216 History of Musical Theatre
 MUL 2224 History of Film Music
 MUL 2235 History of Gospel Music
 MUL 2232 History of African-American Music and Community

World Music

MUL 2212 World Music
 MUL 3100 World Music Pedagogy
 MUL 2231 Music of Africa and the Diaspora

MUS 1201 Piano Proficiency Exam

In addition to the theory requirements, basic musicianship skills (MUS 1204) must be

satisfied prior to taking Music courses at the 3000 level or higher.

Four hours of Independent Studies in composition and/or arranging

In order to better ensure success, students are strongly encouraged to begin their formal study of composing and/or arranging in the first semester of their junior year. Students are encouraged to begin experimenting in this field as early as possible.

Eight hours of aural skills (as needed for proficiency)

Six hours of piano (as needed for proficiency)

Eight hours of applied music lessons, one major instrument preferred*

Participation in a Department musical performance group each semester in residence
 Attendance at a minimum of five (5) departmentally sponsored concerts or recitals per semester

The Junior Writing Requirement

MUS 4205 Capstone - One public recital

A major composition or research project will be required. This project may be associated with the recital or one of the music theory courses. See department handbook for details.

*Six of the eight credits in applied music lessons must be on the student's major instrument or voice. The three semesters prior to and including the semester of the senior recital must include applied study on the major instrument (the instrument of the recital). Transfer students must complete four of the eight required applied credits in their program on their major instrument and perform their senior recitals at McDaniel College.

Suggested First-Year Schedule:

See Basic Major

Contact: Dr. Caldwell, Music

MUSIC - MUSIC HISTORY (56 HRS. PLUS COURSES NEEDED TO PASS PROFICIENCY REQUIREMENTS)

Required:

MUT 1131 Music Theory I
 MUT 1132 Music Theory II
 MUT 2201 Advanced Music Theory I
 MUT 2202 Advanced Music Theory II

MUT 3310 Form & Analysis

MUS 1201 Piano Proficiency Exam

In addition to the theory requirements, basic musicianship skills (MUS 1204) must be satisfied prior to taking Music courses at the 3000 level or higher.

3 Music History/Literature courses to be chosen (1 each) from the following categories:

Western Art Music

MUL 2203 European Music Before 1750

MUL 2204 European Music After 1750

MUL 2205 History and Literature of the Piano

MUL 2214 Masters in Music

MUL 2236 Baroque Explosion

MUL 2237 Romanticism and Beyond

MUL 2240 History of Choral Music

American Music

MUL 2208 Music in the United States

MUL 2210 History of Jazz

MUL 2216 History of Musical Theatre

MUL 2224 History of Film Music

MUL 2235 History of Gospel Music

MUL 2232 History of African-American Music and Community

World Music

MUL 2212 World Music

MUL 3100 World Music Pedagogy

MUL 2231 Music of Africa and the Diaspora

Two additional 2000-level+ electives in Music History

Eight hours of aural skills (as needed for proficiency)

Six hours of piano (as needed for proficiency)

Eight hours of applied music lessons, one major instrument preferred*

Participation in a Department musical performance group each semester in residence

Attendance at a minimum of five (5) departmentally sponsored concerts or recitals per semester

The Junior Writing Requirement

MUS 4205 Capstone - One public recital

A major research project culminating in a paper will be required. This project may be associated with either the recital or one of the Music History courses.

*Six of the eight credits in applied music lessons must be on the student's major

instrument or voice. The three semesters prior to and including the semester of the senior recital must include applied study on the major instrument (the instrument of the recital). Transfer students must complete four of the eight required applied credits in their program on their major instrument and perform their senior recitals at McDaniel College.

Recommended Courses:

Two Years of Foreign Language

Suggested First-Year Schedule:

See Basic Major

Contact: Dr. Armstrong, Music

THERE ARE TWO OPTIONS FOR STUDENTS INTERESTED IN TEACHER CERTIFICATION IN MUSIC.

1.) A four-year program culminating in a Bachelor's Degree with a minor in Education and Certification. STUDENTS SHOULD BE AWARE THAT THERE ARE SIGNIFICANTLY MORE REQUIREMENTS IN MUSIC COURSES FOR THE MUSIC WITH THE EDUCATION MINOR THAN IN THE BASIC MUSIC MAJOR. SEE THE EDUCATION SECTION FOR ALL OF THE MUSIC WITH EDUCATION MINOR REQUIREMENTS.

2.) A five-year program culminating in a Bachelor of Arts with a music major, and a Master of Science, and a pre-K through 12 teaching certificate. The program is available to undergraduate music majors with a cumulative grade point average of 3.2 or higher. Students take graduate level courses or their undergraduate level equivalent during their undergraduate course of study. The anticipated sequence of course work is as follows:

Students take these courses prior to the final semester of undergraduate study

EDU 1141 or 1111 (equivalent to EDU 580) Teaching and Learning in a Diverse Society

EDU 2240/2140 (equivalent to EDU 581) Planning and Evaluating Instruction

PSY 2209 (equivalent to PSY 503)

Students take the following graduate courses

during the final semester of their fourth year. These are courses with undergraduate equivalents.

EDU 617 Instructional Plans in Elementary Music (EDU 592/Practicum)

RDG 532 Reading in the Content Area: Part I

SOC 508 Culture and Diversity

Students will take the following courses in the first semester of the fifth year.

PSY 510 Psychology of Exceptionality or

SED 572 Issues in Inclusive Education

EDU 594 Action Research I

SLM 521 Telecommunication and the Internet

RDG 534 Reading in the Content Area: Part II

EDU 618/619 Instructional Plans in Secondary Instrumental or Choral Methods EDU 593 – PDS Practicum

Students will do their professional semester (student teaching) in the second semester of the fifth year. This includes:

EDU 600 Professional Semester (K-6)

EDU 601 Professional Semester at PDS (middle school or high school)

EDU 595 Action Research II

MINOR IN MUSIC (22 HRS.)

MUT 1131 Music Theory I

MUT 1132 Music Theory II

2 Music History/Literature courses to be chosen (1 each) from the following categories:

Western Art Music

MUL 2203 European Music Before 1750

MUL 2204 European Music After 1750

MUL 2205 History and Literature of the Piano

MUL 2214 Masters in Music

MUL 2236 Baroque Explosion

MUL 2237 Romanticism and Beyond

MUL 2240 History of Choral Music

American Music

MUL 2208 Music in the United States

MUL 2210 History of Jazz

MUL 2216 History of Musical Theatre

MUL 2224 History of Film Music

MUL 2235 History of Gospel Music

MUL 2232 History of African-American Music and Community

World Music

MUL 2212 World Music

MUL 3100 World Music Pedagogy

MUL 2231 Music of Africa and the Diaspora

Four semesters of one-credit lessons, or two semesters of one-credit lessons and two credits of Independent Studies in a selected area of interest on the 2000+ level.

Minors are expected to attend at least three (3) music departmentally sponsored recitals every semester. Minors are expected to participate in at least one performing ensemble for at least one full academic year.

MINOR IN JAZZ STUDIES (28 HRS.)

MUT 1131 Music Theory I

MUT 1137 Jazz Theory

MUL 2210 History of Jazz

MUL 2231 Music of Africa and the Diaspora or

MUL 2232 African-American Music and Community

Two credits of a Performance Ensemble, large or small group (jazz-related)

Four semesters of Private Lessons or two semesters of Private Lessons and two semesters of independent study work (jazz-related)

MUS 1140 Jazz Piano Class

Students would then have the option to pick two of the following three classes:

MUT 1129 Jazz Fundamentals

MUT 2204 Jazz Improvisation

MUT 2205 Jazz Composition and Arranging

Music Ensemble Course Descriptions (MUE)

Students may elect to take several 0.5 or 1.0 credit Creative Expression courses to complete this requirement, provided that all four credits are in the same medium, instrument, or form of creative practice.

1101 College Band

1 credit

All-College wind and percussion ensembles perform compositions from all periods of musical history. At least two public concerts are given each year. Creative Expression.

1102 College Choir

1 credit

All-College choral ensemble that performs compositions from all periods of musical history. At least two public concerts are given each year.

Creative Expression.

1103 Madrigal Singers

1 credit

A select ensemble of singers, which explores unaccompanied choral music from diverse stylistic periods. Public performances are given throughout the year.

Prerequisite: Permission of the instructor.

Corequisite: Participation in the College Choir.

Creative Expression.

1104 Musical Theatre Workshop

1 credit

An opera and musical theatre performance class. Performances of scenes from the opera repertory and the American musical theatre are partially staged; at least one public performance is given.

Offered each year in the spring semester only.

Creative Expression.

1105 Gospel Choir

1 credit

An all-College choral ensemble that explores the sacred musical styles of the African-American traditions. Public performances are given throughout the year.

Creative Expression.

1106 Orchestra

1 credit

All college symphonic ensemble that performs compositions from all musical styles from the Baroque to the present. The orchestra consists of students from both McDaniel and Carroll Community Colleges as well as community musicians. At least one performance every semester.

Creative Expression.

1108 Jazz Voice Class

1 credit

This class is designed to teach techniques for a successful jazz vocal performance. Students will receive specific jazz vocal training, repertoire selection, jazz vocal phrasing, and how to lead a

rhythm section. Each class will end with an informal performance featuring that semester's jazz repertoire.

Creative Expression.

1109 Jazz Choir

1 credit

A select ensemble of singers, which explores a variety of jazz vocal styles. Public performances take place throughout the year.

Offered as needed.

Prerequisite: Permission of the instructor.

Corequisite: Participation in the College Choir.

Creative Expression.

1110-1123 Chamber Ensembles

1 credit

A comprehensive survey by performance of the ensemble literature of diverse origins and styles for each of the ensembles listed. Public performances are given.

Creative Expression.

1110 Flute Choir

1111 Flute Quartet

1112 Woodwind Quintet

1113 Saxophone Quintet

1114 Jazz Combo

1115 Clarinet Choir

1116 Brass Quintet

1117 String Ensemble

1118 String Quartet

1119 Electric Bass Ensemble

1120 Jazz Ensemble

1121 Percussion Ensemble

1122 Keyboard Ensemble

1123 Guitar Ensemble

1126 Chamber Music with Piano

Creative Expression.

3353 Musical Theatre Scene Study

4 credits

This course is designed for advanced acting and music students interested in developing musical theatre skills. Using contemporary American and British musical theatre texts, students will be taught to apply acting, singing, and movement techniques to bring characters to life on stage. Professors from both the Music and Theatre Arts departments will collaborate to develop the student's craft.

Prerequisites: Theatre Arts 1113 or 1151, Music

Ensemble 1104, and by audition during first week of class.

Cross-listed with Theatre Arts 3353.

Music Literature Course Descriptions (MUL)

1134 Music Appreciation

4 credits

A study of music through its elements, rhythms, melody, harmony, form, timbre; a survey of various musical styles. Increased listening perception in all types of music is the course goal.

Multicultural.

1135 American Cultural Diversity

4 credits

This course will introduce students to issues of cultural, ethnic, racial, and artistic diversity in American culture through comparative study focusing primarily on musical artistic expression.

Social, Cultural, and Historical Understanding.

Cross-listed with Interdisciplinary Studies

1135.

1136 History of Rock and Roll

4 credits

This class analyzes Rock and Roll music from its earliest beginnings and influences to the present. A wide array of popular music, topics and artists will be discussed and analyzed.

1137 The Art of Great Songs

4 credits

The class surveys 20th-century American popular song literature and popular music song structures and styles, from pop and hip-hop to country and jazz, and from this process, shows the students how to compose an original song.

Creative Expression.

1140 World Music Survey

4 credits

What does music of India have in common with Mozart? How does Indonesian music compare with African music? This course presents a brief and broad survey of a variety of music cultures of the world. We will consider the common threads these musics have as well as learn to appreciate their beautiful differences.

International Nonwestern.

1151 (FR) Music and Words as a Quest for Expression and Meaning

4 credits

This course explores the meaning of a variety of works chosen from drama, literature, poetry, and music. This course emphasizes skills of analysis and appreciation to allow students to understand each of these works as reflecting the world view of its time and also to appreciate it as a universal expression of humanity's search for meaning.

1152 Diversity and Meaning in Popular Music

4 credits

Exploration of various types of popular music, their historical origins, cultural contexts, and meanings to their audience. It also examines how the diversity of the United States is represented in the music its populations create and consume.

Multicultural.

2203 European Music Before 1750

4 credits

A survey of music in the Western World from antiquity to the mid 18th century, observed against the backdrop of cultural history, focusing on the influence of Europe.

Social, Cultural, and Historical Understanding.

2204 European Music After 1750

4 credits

A survey of music in the Western World from the mid 18th century to the present, observed against the backdrop of cultural history. This course focuses on the inter-relationships of European and other world influences as they shaped "art" music in America today.

Social, Cultural, and Historical Understanding.

Prerequisite: Music Literature 2203 or permission of the instructor.

2205 History and Literature of the Piano

4 credits

A survey of literature for harpsichord, clavi-chord, and piano; a study of the development of these instruments and the history of piano technique and performance.

2208 Music in the United States*4 credits*

A survey of the cultivated traditions of American music, from Colonial times to the present.

Multicultural, Social, Cultural, and Historical Understanding.

Offered in 2005-2006 and alternate years.

2210 History of Jazz*4 credits*

A survey of the stylistic transformations that have taken place in jazz since 1900, with a study of the social and political conditions that have exerted a powerful influence on jazz artists.

Multicultural, Social, Cultural, and Historical Understanding.

Offered in 2005-2006 and alternate years.

2212 World Music*4 credits*

Surveys in musical traditions other than those of the Western European-American stylistic periods.

International Nonwestern, Social, Cultural, and Historical Understanding.

Cross-listed with Cross Cultural Studies 2212.

2214 Masters in Music*4 credits*

A study of one major composer's life and representative composition.

Social, Cultural, and Historical Understanding.

Offered as needed.

2216 History of Musical Theatre*4 credits*

A survey of musical theatre from its beginning to the present, studied in relation to its historical, literary, and cultural background. Included is study of such musical theatre forms as opera, operetta, ballad opera, and musicals.

Social, Cultural, and Historical Understanding.

Cross-listed with Theatre Arts 2216.

Offered in 2005-2006 and alternate years.

2224 History of Film Music*4 credits*

A study of the development of the role of music in the art of filmmaking. Through an analysis of selected musical scores from the days of silent films to the present, students will discover the ways in which music can inform and enrich the visual impact of films.

2231 Music of Africa and the Diaspora*4 credits*

An exploration of the European and African roots of African-American music prior to and at the beginning of North American colonization. In this course students study early European and African musical cultures as well as the synthesis and tensions of the two brought together by the slave trade in the United States.

International Nonwestern, Social, Cultural, and Historical Understanding.

2232 African-American Music and Community*4 credits*

An examination of African-American classical and popular music from the Revolutionary War into the 21st century. In this course students explore the sounds, contexts, and receptions of African-American musical cultures and their impact on other American cultures.

Multicultural, Social, Cultural, and Historical Understanding.

2235 History of Gospel Music*4 credits*

An overview of black gospel music in America covering spirituals, traditional and contemporary gospel. Sociological conditions and important works by key figures in a variety of styles will be coupled with lectures and reading.

Cross-listed with Religious Studies 2235.

Offered in spring 2006 and alternate years.

Multicultural.

2236 The Baroque Explosion*4 credits*

This course explores social and cultural practices through studying diverse musical styles and genres relevant to the major social upheavals from the early 16th-century through the mid 18th-century. While the focus will be

on the dramatic changes that took place during this time, the second half of the course will be dedicated to the ways in which the same “over-the-top” baroque expressions were reflected in later styles, and can still be observed today. The major social changes that drove stylistic changes are explored in depth, in particular the impact of the simultaneous appearance of the widespread use of printing with the Protestant Reformation of the political and social organization of Europe.
Social, Cultural, and Historical Understanding.

2237 Romanticism and Beyond

4 credits

This course explores the social and cultural practices through studying diverse musical styles and genres relevant to the major revolutions of the late 18th-century through the early 19th-century. While the focus will be on the dramatic changes that took place during this time, the second half of the course will be dedicated to the ways in which romanticism is still reflected in music of today. The major social changes that drove stylistic changes are explored in depth, in particular the role of the major changes in attitudes toward individual rights and liberties.
Social, Cultural, and Historical Understanding.

2240 History of Choral Music

4 credits

This course explores the social and cultural practices through studying diverse choral styles from the late medieval period to modern times. The focus will be on the relationship of music and words, and how each medium is changed in combination with the other. The major social changes that drove stylistic changes are explored in depth, in particular religious upheaval, the impact of the printing press, and changing attitudes towards the value of the individual compared with the needs of society.
Social, Cultural and Historical Understanding.

2265; 2266; 3365; 3366; 4465; 4466

Special Topics in Music

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students’ interests and needs.

3100 World Music Pedagogy

4 credits

A survey of musical cultures in the non-western world, this course combines both breadth and depth. It is offered specifically for education minors to help to prepare them to learn and teach about a variety of musical cultures. Run concurrently with World Music Survey, MUL 1140, music majors will attend this class for breadth, while preparing and teaching some of the units of the lower-level survey class for depth.

Prerequisite: Music 1204.

International Nonwestern.

Music Course Descriptions (MUS)

Students may elect to take several 0.5 or 1.0 credit Creative Expression courses to complete this requirement, provided that all four credits are in the same medium, instrument, or form of creative practice.

Applied Music – Private Instruction

- x001 Clarinet
- x002 Organ
- x003 Classical Piano
- x004 Trombone
- x005 Violin
- x006 Voice
- x007 Flute
- x008 Baritone Horn
- x009 Cello
- x010 Jazz Piano
- x011 Harpsichord
- x012 String Bass
- x013 Percussion
- x014 Trumpet
- x015 Saxophone
- x016 Viola
- x017 Electric Bass
- x018 French Horn
- x019 Tuba
- x020 Bassoon
- x021 Classical Guitar
- x022 Jazz Guitar

1001-1024 Applied Music Study I*0.5-2 credits*

Private music instruction for students with basic skills in music reading and technical abilities. All students taking private lessons for the first time will be placed in this level. This level is appropriate for beginning to low intermediate students. Students will study levels 1-3** repertoire. Students working with grade 3** repertoire will be required to take a jury. Creative Expression.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit). An extra tuition fee is charged for lessons.

2001-2024 Applied Music Study II*0.5-2 credits*

Private music instruction for students with an upper immediate level of music reading and technical abilities. Students will be able to proficiently perform at least one level 4** piece. Creative Expression.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit). An extra tuition fee is charged for lessons.

Prerequisite: Applied Music Study I, culminating in placement by jury to the 2000 level or permission of instructor.

3001-3024 Applied Music Study III*0.5-2 credits*

Private music instruction for students significantly interested in performance. Level of music reading and technical skills approach advanced. Students will be able to proficiently perform at least one level 5** piece.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit). An extra tuition fee is charged for lessons. Creative Expression.

Prerequisite: Applied Music Study II, culminating in placement by jury to the 3000 level or permission of instructor.

4001-4024 Applied Music Study IV*0.5-2 credits*

Private music instruction for students significantly interested in performance at an advanced level. Level of music reading and technical skill is advanced. Students will be able to proficiently perform at least one level 6** piece.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit). Creative Expression.

An extra tuition fee is charged for lessons.

Prerequisite: Applied Music Study III, culminating in placement by jury to the 4000 level or permission of instructor.

**** Repertoire levels:**

1-2 Beginning

3-4 Intermediate

5-6 Advanced

Level 6 is advanced conservatory performance.

Specific definitions of the repertoire grade level expectations for each instrument will be found in individual studio syllabi for each level.

1140 Jazz Piano Class*2 credits*

This class teaches improvisational techniques and playing jazz by segmenting elements of each song to be shared by multiple pianists.

1141 Piano Lab I*2 credits*

A study of basic keyboard skills with emphasis on reading, transposition, fundamentals of music theory, and the necessary physical skills to play simple pieces. This is a beginner's course, which is not intended for those students who can already read music at the keyboard.

1142, 1143, 1144 Piano Lab II, III, IV*2, 2, 2 credits*

A continuation of Piano Lab I at progressive levels of proficiency.

Admission and placement is based on the instructor's evaluation of the student's ability. Creative Expression for 1142, 1143.

1145 Guitar Class I*1 credit*

A study of basic guitar skills with emphasis on classical style, reading, fundamentals of music theory, and the necessary physical skills to play simple pieces. This is a beginner's course, which is not intended for those students who can already read music at the guitar. Creative Expression

Creative Expression.

1146 Guitar Class II

1 credit

A continuation of Guitar Class I.

Admission and placement is based on the instructor's evaluation of the student's ability. Creative Expression.

1148, 1149 Voice Class I, II

1, 1 credit

An introduction to the correct use of the voice in singing, including breathing, articulation, enunciation, expression, and various types of vocal literature. Placement is based on the instructor's evaluation of the student's ability. Creative Expression.

1153 String Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of string instruments.

Prerequisite: Music Theory 1132 or permission of the instructor.

Offered spring 2006 and alternate years.

1154 Woodwind Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of woodwind instrument.

Prerequisite: Music Theory 1132 or permission of the instructor.

Offered spring 2007 and alternate years.

1155 Percussion Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of percussion instruments.

Prerequisite: Music Theory 1132 or permission of the instructor.

Offered fall 2006 and alternate years.

1156 Brass Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of brass instruments.

Prerequisite: Music Theory 1132 or permission of the instructor.

Offered fall 2005 and alternate years.

1157 Voice Pedagogy for Singers

1 credit

An overview of comparative vocal methods for the future teacher primarily concerned with vocal and choral instruction. Emphasis is placed on the International Italianate School (Bel Canto method).

Prerequisite: Music 1149 or permission of the instructor.

Offered as needed.

1159 Voice Pedagogy for Instrumentalists

1 credit

An overview of comparative vocal methods for the future teacher primarily concerned with instrumental instruction. Emphasis is placed on the International Italianate School (Bel Canto method).

Prerequisite: Permission of the instructor.

Offered as needed.

1201 Piano Proficiency

0 credits

A piano proficiency exam required of all Music Education majors, which is expected to be completed before the junior year. Students without prior piano study are expected to take sufficient piano to prepare for the exam or to pass Piano Lab III with a "B" or better. See department handbook for details.

1202 Voice Proficiency

0 credits

A voice proficiency exam required of all Music Education majors, which is expected to be completed before the junior year. Students without prior voice study are expected to take sufficient voice to prepare for the exam or to pass Voice Class II, Voice Pedagogy, and Lyric Diction with a "B" or better. See department handbook for details.

1203 Guitar Proficiency

0 credits

A guitar proficiency exam required of all Music Education majors, which is expected to be completed before the junior year. Students without prior guitar study are expected to take sufficient guitar to prepare for the exam or to pass Guitar Class II with a "B" or better. See department handbook for details.

1204 Aural Training/Musicianship

0 credits

Students are required to pass the Aural Training/Musicianship Proficiency Exam in order to take music courses at the 3000 level or higher. This exam will be offered at the end of each semester. The student will be encouraged to take an independent-study course in aural training/musicianship in the spring semester of their junior year if the exam has not been passed by the fall semester of their junior year. The minimum passing proficiency is 86 percent, or passing MUT 1105 with a "B" or better. See department handbook for details.

2210 Music, Mind, and Brain

4 credits

An exploration of how the brain processes musical experience. After a review of the elements of music and the structure/function of the nervous system, students will examine how concepts such as musical training and style correlate with brain function, how the brain responds to emotional content in music, and how music impacts hemispheric laterality. Special topics, such as creativity, the Mozart effect and the relationship between musical genius and creativity will be examined. The course includes a laboratory, using tools such as EEG, EMG, GSR, EKG, skin temperature readings and pulse rate.

Prerequisite: Psychology 1106 and Music 1134 or permission of instructor.

Scientific Inquiry with Laboratory
Cross-listed with Psychology 2210

2217 Lyric Diction for Singers

1 credit

A one-semester, highly condensed study of English, Italian, and German lyric dictions for singers. The IPA (International Phonetic Alphabet) system of phoeneticization will be used.

3311 Instrumental Conducting

4 credits

An analysis of the principles and practices of instrumental conducting, development of conducting pattern skills, score analysis, rehearsal procedures, and program development.

Prerequisites: Music 1201 and 1204, Music Theory 2202, and permission of the instructor.

Corequisite: Participation in the College Band.
Offered in the fall.

3313 Choral Conducting

4 credits

An analysis of the principles and practices of choral conducting, development of conducting pattern skills, score analysis, rehearsal procedures, and program development.

Prerequisites: Music 1202, 1201, and 1204, Music Theory 2202, and permission of the instructor.

Corequisite: Participation in the College Choir.
Offered in the spring.

3335 Methods for Teaching Piano

4 credits

Methods of teaching piano to students of all levels and all ages. This course includes a survey of teaching materials for all grades, as well as a discussion of the pianistic and musical problems involved in teaching piano. It also involves actual teaching of volunteer beginning piano students in a lab setting.

Prerequisite: Permission of the instructor.
Offered as needed.

4205 Senior Recital

0 credits

The last formal performance required of all Music majors. Non-majors with private lesson experience at the College may be eligible to give a senior recital, but only with permission of the private instructor. Refer to the Music Department handbook for guidance on preparation for Senior Recitals.

2295; 2296; 3395; 3396; 4495; 4496 Internships in Music

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

Prerequisite: Permission of the instructor.

2298; 2299; 3398; 3399; 4498; 4499 Independent Studies in Music

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified

students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

Music Theory Course Descriptions (MUT)

1102 Aural Musicianship I

2 credits

The study and practice of ear-training incorporating the basic musical elements: (1) melody, (2) harmony, and (3) rhythm. This course emphasizes the beginning development of musicianship skills, which include sight-singing (using movable do solfege) and dictation exercises.

Prerequisite: This course is to be taken concurrently with Music Theory 1131 or by permission of the instructor.

1103 Aural Musicianship II

2 credits

The continuation of Aural Musicianship I. This course emphasizes the continuing development of musicianship skills, which includes sight-singing (using movable do solfege) and dictation exercises.

Prerequisite: This course is to be taken concurrently with Music Theory 1132 or by permission of the instructor.

1104 Aural Musicianship III

2 credits

The continuation of Aural Musicianship II. This course emphasizes the continuing development of musicianship skills, which includes sight-singing and dictation exercises. More emphasis will be placed on hearing, dictating, and singing altered melodies and harmonies.

Prerequisite: This course is to be taken concurrently with Music Theory 2201 or by permission of the instructor.

1105 Aural Musicianship IV

2 credits

The continuation of Aural Musicianship III. This course emphasizes the continuing development of musicianship skills, which includes sight-singing and dictation exercises. More emphasis will be placed on hearing, dictating, and singing altered melodies and harmonies. The hearing of the 20th-century music will be introduced.

Prerequisite: This course is to be taken concurrently with Music Theory 2202 or by permission of the instructor.

1126 An Introduction to MIDI

2 credits

This course provides the student with opportunities to use the computer as a tool for creating and performing music. It is taught using computer software and a MIDI keyboard with an emphasis on both MIDI sequencing and music notation programs.

Prerequisites: Ability to read music.

1129 Jazz Fundamentals

2 credits

The class will equip the inexperienced improviser with information and skills necessary to create improvisational art. Primarily open to all instrumentalists, it can have a vocal aspect as well, depending on need. An emphasis will be placed on jazz theory, scales, improvisational techniques, listening analysis, and small group playing.

1130 Music Fundamentals

2 credits

Music Fundamentals is a very basic music theory course for those with little or no background in the formal study of music. The class will focus on studying the building blocks of music: scales, intervals and chords. The multi-faceted approach will include ear training, sight singing, and basic keyboard skills. Students will learn to read rhythmic, melodic, and harmonic notation.

1131, 1132 Music Theory

4, 4 credits

Basic knowledge of musical materials, written and keyboard harmony through the dominant seventh chord, sight singing, melodic and harmonic dictation. Some aspects of orchestration will also be included.

Prerequisite: For Music Theory 1131, Music Theory 1130 or placement by test.

Prerequisite: For Music Theory 1132, Music Theory 1131 or permission of instructor.

Quantitative Reasoning requirement met with the completion of MUT 1132, 2201, and 2202.

1137 Jazz Theory

4 credits

An introduction to the basic language and rudiments of jazz: including rhythm, articulations, style considerations, major, minor and modal systems, harmonic systems, forms, harmonic substitutions, simple analysis, chord/scale relationships, and ear-training in the jazz language.

Prerequisite: Music Theory 1131.

2201, 2202 Advanced Music Theory I, II

4, 4 credits

The continuation of Music 1131, 1132 through the use of remote harmonies, 20th-century compositional styles, counterpoint, and form. Special emphasis will be given to analysis.

Prerequisite: Music Theory 1132 or permission of the instructor.

Quantitative Reasoning requirement is met with the completion of MUT 1132, 2201, and 2202

2204 Jazz Improvisation

2 credits

Jazz Improvisation is a "hands on instruments" course designed to equip the student with skills needed to improvise in Jazz music. Scales discussed include, but are not limited to, major, minor, Mixolydian, Dorian, Locrian, and Phrygian modes, Bebop Dominant and Bebop major, Blues, major and minor pentatonic.

Prerequisites: Music Theory 1129 or permission of instructor.

2205 Jazz Composition and Arranging

2 credits

Concentration on developing fundamental compositional and orchestration/arranging skills in various jazz skills. The course culminates with an arrangement for 4 horns and a rhythm section.

Prerequisites: Music Theory 1137 or permission of instructor.

3309 Counterpoint

4 credits

Study of 18th-century counterpoint with an emphasis on both analysis and composition.

Prerequisites: Music Theory 2202 and 1204, and permission of instructor.

Offered as needed.

3310 Form and Analysis

4 credits

Detailed study of the structural principles and forms of tonal music.

Prerequisites: Music Theory 2202 and 1204, and permission of instructor.

Offered as needed.

PHILOSOPHY

Professor Alles (Department Chair); Associate Professor Jakoby; Assistant Professor Bradley.

Areas of particular teaching interest:

Professor Alles: religions of South Asia and the Mediterranean world, method and theory in the study of religions; Professor Jakoby: 19th- and 20th-century continental philosophy, history of philosophy; Professor Bradley: philosophy of science, cognitive science, logic.

Philosophy has been called the queen of sciences because it deals with basic questions concerning our world and ourselves, the underlying ideas upon which the more specialized disciplines are based. Because its methodology is one of rigorous and critical thinking, students find it a valuable preparation for such fields as law, medicine, business, literature, history, and religion, to mention a few. Courses are offered in both the historical and contemporary perspectives, with many of them being issue-oriented.

Philosophical studies are generally divided into two groups: the historical and the issues-oriented. Courses in the history of philosophy cover topics from early Greek thought to contemporary philosophy and are closely related to other fields of study such as the sciences, literature, political thought, the arts, language, and economics. Issues-oriented courses deal with the nature of knowledge and truth, the meaning of justice, and ethical values of our time such as war, sex, honesty in government and business, the determination of freedom, the relationship between mind and body, the most desirable society, and gender relations.

The Department offers classes in Continental, Anglo-American, and Asian philosophy and a number of courses in Asian civilization, which allow students to explore various ways of living, thinking, expression, and self-development. Students may plan their programs

for general liberal education, for graduate study, or for special objectives in related fields.

Other Educational Options in Philosophy:
Dual major in Philosophy and Religious Studies, and special programs combining Philosophy and other disciplines.

Please see the Dual Major section for dual majors with Religious Studies.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Philosophy.

Departmental Honors

Students who have a 3.50 GPA in courses in the major, a 3.20 GPA overall and receive an "A" grade on their senior thesis (PHI 4492) receive departmental honors.

BASIC MAJOR (40 HRS.)

Required:

PHI 1102 Critical Thinking
PHI 2102 Philosophy Around the World
PHI 2233 Elementary Logic
PHI 4492 Capstone - Thesis in Philosophy

One History Course:

PHI 1113 Philosophy from Ancient Times to the Renaissance
PHI 1114 Philosophy from the Renaissance to Contemporary Times

One Ethics course:

PHI 1105 Contemporary Issues in Ethics
PHI/BUA 2210 Ethics & Business
PHI/REL 2211 Issues of Social Justice
PHI/BIO 3350 Bioethics

At least one Special Topics course:

PHI 2265, 3365

At least one Special Topics course in the History of Philosophy:

PHI 2266

At least two additional courses in Philosophy, 2000 level or higher

Recommended for those interested in the Continental tradition:

PHI 2223 Visions of Paradise
PHI 3323 Environmental Philosophy

Recommended for those interested in the Analytic tradition:

PHI 2221 Minds and Machines
PHI 3321 Minds and Language

Suggested courses for the first year:

PHI 1102 and one history course: PHI 1113, 1114 or 2266

Suggested courses for the second year:

PHI 2102 and one ethics course

Suggested courses for the third year:

PHI 2233 and a Writing in Philosophy course

MINOR IN PHILOSOPHY (24 HRS.)

One reasoning course:

PHI 1102 Critical Thinking
PHI 2233 Elementary Logic

One course in the history of philosophy:

PHI 1113 History of Ancient & Medieval Philosophy
PHI 1114 History of Modern Philosophy
PHI 2266 Special Topics in the History of Philosophy

One Ethics course:

PHI 1105 Contemporary Issues in Ethics
PHI/BUA 2210 Ethics & Business
PHI/REL 2211 Issues of Social Justice
PHI/BIO 3350 Bioethics

One additional history course:

PHI 2266 Special Topics in the History of Philosophy

One special topics course, PHI 2265

One additional course in Philosophy, 2000 level or higher

Philosophy Course Descriptions (PHI)

1102 Critical Thinking

4 credits

Critical thinking empowers students to recognize fallacious reasoning, manipulative rhetoric, and other dubious defenses of faulty beliefs. It encourages students to explore various methods of justification, explanation and argumentation in order to understand why we believe what we believe. In this course, we consider reasoning – how we seek to influence other people's beliefs, and how our beliefs are influenced by others. We search for a good basis upon which to change our beliefs.
Textual Analysis.

1105 Contemporary Issues In Ethics

4 credits

An introduction to the major ethical theories including Aristotle's Theory of Happiness, Kant's concept of duty, Act and Rule Utilitarianism, Pragmatism, Ethical Egoism, and their contemporary versions; and to the major issues of our day such as abortion, euthanasia, the rights of animals, racism and sexism, professional conduct, capital punishment, war and peace, civil disobedience, law versus conscience, and environment and biological topics.

Textual Analysis.

1113 Philosophy from Anicent Times to the Renaissance

4 credits

An introduction to philosophy from an historical approach. The course includes the writings of Homer and Hesiod and the early myths, the Pre-Socratics, Socrates, Plato, Aristotle, the Late Classical Period including the Stoics, Epicureans, Sceptics, and Neo-Platonists, and the thought of the Middle Ages with emphasis upon Augustine, the Mystics, Thomas Aquinas, Roger Bacon, and William of Occam's Nominalism.

Social, Cultural, and Historical Understanding; Textual Analysis.

1114 Philosophy from the Renaissance to Contemporary Times

4 credits

A study of 17th- and 18th-century philosophy, the period from Bacon and Descartes to Rousseau and Kant. This course investigates the philosophers' attempts to deal with radical religious, political, and scientific upheavals.

Prerequisite: Philosophy 1113 or permission of instructor.

Social, Cultural, and Historical Understanding; Textual Analysis.

2102 Philosophy Around the World

4 credits

This course is set up as a philosophical journey through various times and geographical spaces. We will study and reflect on philosophical concepts of Native American, African, South American, Asian and Western traditions. The guiding question will be: How do we construct

reality, Self, Other and the divine? We will ask this question in a multidisciplinary framework of philosophy, literature and science. International Nonwestern; Social, Cultural, and Historical Understanding; Textual Analysis.

2202 Zen and Creativity

4 credits

A study of Zen's way of life through a close look at the Zen classics, Zen practices, and the poetry and paintings, which successfully express the Zen attitude in life. The Zen view of beauty (both in nature and art) and Zen exercises such as Chinese calligraphy, meditation, and discussions of Koans (paradoxes) will be included. International Nonwestern; Social, Cultural, and Historical Understanding; Textual Analysis. Cross-listed with Cross Cultural Studies 2202.

2210 Ethics And Business

4 credits

A consideration of some of the major ethical issues in business: the profit motive and the public good, social responsibility of corporations, environmental concerns, consumer and employee relations, the role of the state, advertising practices, conflict of interest and of obligation, and hiring practices.

Cross-listed with Business Administration 2210.

Offered as needed.

2211 Issues of Social Justice

4 credits

A comparative philosophical and religious exploration of theories of justice and specific moral issues. Issues discussed include gender and racial equality, economic welfare, abortion, euthanasia, capital punishment, war, and animal rights.

Social, Cultural, and Historical Understanding; Textual Analysis.

Cross-listed with Religious Studies 2211.

2219 East Asian Philosophy

4 credits

A study of the history and literature of the major East Asian philosophical schools, with emphasis on the presuppositions concerning man and nature. Schools of thought which will receive special attention include Confucianism, Daoism, Mohism, Yin-Yang, Neo-

Confucianism, Zen, and Shinto. The course concludes with a comparison of the general characteristics of East Asian philosophy and Western philosophy.
Cross-listed with Cross Cultural Studies 2219.

2221 Minds and Machines

4 credits

This course seeks to investigate the nature of consciousness – from the awareness of being aware to the kind of phenomenal awareness that a honeybee might possess. The nature of consciousness as the object of scientific investigation, as well as the possibility of reducing consciousness to physical, brain, states, will also be discussed.
Textual Analysis.

2222 Philosophy of Art

4 credits

When Duchamp placed a urinal in the Philadelphia Art Museum and called it 'Fountain', did he make it art? Or is it the art world's response to Duchamp's act that made it art? Are Christo's gates in Central Park Art? Or is it the process of getting approval, designing, and ultimately placing the gates that is the art? Is Kenny G on the same level as John Coltrane? Is Eminem the equal of Mozart? This course seeks answers to these questions and more.
Textual Analysis.

2223 Visions of Paradise

4 credits

In this course we will study paradise narratives of various traditions (Jewish, Christian, Islamic, Buddhist) and analyze their influence on people like Marco Polo, Vasco da Gama, Christopher Columbus, etc. Join us for a study of paradise narratives as we shed light on our own personal, cultural and national visions of such a fantastic place.

International Nonwestern; Social, Cultural, and Historical Understanding.

2225 Philosophy and Practice of Tai Chi (Tai Ji)

4 credits

Theory and practice of a Chinese meditative exercise which is calisthenics, martial art, breathing exercises, dance, meditation, and prayer. Interpretations and critiques of the

writings of the Daoist masters such as Lao Zi and Zhuang Zi will be included. The complete Tai Chi sequence of 108 movements will be practiced. The course emphasizes understanding the Daoist philosophy at the level of intellectual cognition as well as at the level of affective penetration and concrete experience.
Cross-listed with Cross Cultural Studies 2225.

2233 Elementary Logic

4 credits

An introduction to formal logic, propositional and predicate. The study of various forms of inference, theorems, derivations, and proofs. Quantitative Reasoning.

2291 Directed Readings in Philosophy and Religious Studies

1 credit

A close reading of a major text in philosophy and/or religious studies. Students will also become familiar with selected critical studies of the text. Course may be repeated up to four semesters for credit.

3302 Classical Indian Philosophy

4 credits

A rigorous introduction to the classical Indian tradition of philosophical thought, from its roots in the Vedas and Upanishads to its systematization in the six orthodox (astika) schools. Attention is also given to the "heterodox" views of the Buddhists, the Jains, and the "materialists."

International Nonwestern; Social, Cultural, and Historical Understanding.

Cross-listed with Cross Cultural Studies 3302 and Religious Studies 3302.

Offered as needed.

3304 Philosophy and Film

4 credits

In this course we will study film as a cultural item and analyze contemporary philosophical film theories. We will pursue questions such as: how does the medium of film shape our consciousness, discernment and knowledge? The specific films we will view deal with the perception and interpretation of the devil, angels, the divine and spirituality.
Social, Cultural, and Historical Understanding.

3305 Anarchy, Authority, and Autonomy

4 credits

This course seeks to investigate the nature of consciousness – from the awareness of being aware to the kind of phenomenal awareness that a honeybee might possess. The nature of consciousness as the object of scientific investigation, as well as the possibility of reducing consciousness to physical, brain, states, will also be discussed. Textual Analysis; Social, Cultural, and Historical Understanding.

3311 Philosophy of Religion

4 credits

A study of the different theories on the origin of religious beliefs and an examination of the traditional philosophical arguments for and against the existence of a deity. Textual Analysis.

3318 Philosophy of Science

4 credits

A critical analysis of science as an enterprise that produces knowledge. The course examines the conceptual structures and methods used in scientific investigation and discovery, focusing on the role of scientific laws and theories in the explanation and prediction of phenomena. The relationship between the physical and the social sciences as well as selected issues between philosophy of science and epistemology will be discussed. Textual Analysis. Offered as needed.

3321 Minds and Languages

4 credits

How do words get their meanings? How much do the words we use influence or determine the way we think, or even what we think about? For that matter, can I think without language at all? How if I had no language – like a dog or a cat – could I think? Textual Analysis.

3323 Environmental Philosophy

4 credits

This course offers a critical introduction into issues and debates in environmental cultural studies, environmental ethics and environmental political philosophy. The fact of a global ecological crisis, e.g. overpopulation, destruc-

tion and transformation of ecosystems, bioaccumulation of toxins, climate changes, etc. are intertwined with cultural and religious values systems as well as political trends and agendas. In this course we will study a) a selective genealogy of the perception of environment in various cultural traditions b) philosophical concepts which analyze and interpret global ecological shifts and crisis and c) cultural concepts of future environments. International Western; Social, Cultural, and Historical Understanding; Textual Analysis. Cross-listed with Environmental Policy and Science 3323.

3350 Bioethics

4 credits

A study of ethical issues in biology and medicine including health care policies, euthanasia, scientific fraud, and reproductive technologies. This course will explore these and similar issues and case studies and create a framework for ethical decision making based on philosophical principles. Cross-listed with Biology 3350.

4492 Thesis in Philosophy

4 credits

A directed project of research and writing a major paper on a topic agreed upon by the instructor and the student. The project extends over two semesters, but with four credit hours given with the completion of the thesis for both semesters' work. *Prerequisite: Permission of instructor.*

2265; 3365; 4465 Special Topics In Philosophy

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs. Textual Analysis.

2266; 3366; 4466 Special Topics in the History of Philosophy

4 credits

The study of a selected Philosopher or movement in the history of philosophy. Different topics are chosen for each offering, based on students' interests and needs. Textual Analysis; Social, Cultural, and Historical Understanding.

2295; 3395; 4495 Internships in Philosophy

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498; Independent Studies in Philosophy

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

PHYSICS

Professor Pagonis; Associate Professors Marx (Department Chair) and Mian; Adjunct Lecturers Stempel and Toller.

Areas of particular teaching interest:

Professor Pagonis: solid state physics, applications of microcomputers in the laboratory, archaeological dating; Professor Mian: nonlinear optics; Professor Marx: physics education research; Instructor Stempel: science education; Instructor Toller: astronomy.

The Physics Department is dedicated to providing students with the essential skills and knowledge to pursue a wide range of professional careers. Alumni of the Physics Department have gone on to professional positions in private industry, engineering, the U.S. Army, and local software companies as well as graduate studies in physics. The physics degree is appropriate for further study in law, medicine, teaching, the social sciences, engineering, mathematics, computer science, and the natural sciences (astronomy, biology, chemistry, geology, meteorology, and oceanography).

A large number of physics majors have been admitted to highly ranked universities to pursue graduate study in physics. Examples include the University of Maryland, Virginia Tech, University of Pennsylvania, College of William and Mary, Purdue University, Georgetown University, and Washington University at St. Louis.

Other Educational Options in Physics: Computer Science specialization, Dual major with Mathematics, Pre-Engineering, Teacher Certification Secondary (middle/high school). A minor is available in Physics.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Physics.

Please see the Dual Major section for dual majors with Mathematics.

Departmental Honors

Students who wish to graduate with Honors in physics are expected to complete a research project during their senior year, prepare a written thesis and give an oral presentation. In addition, students need a minimum average GPA of 3.50 in courses required for the major.

BASIC MAJOR (49 HRS.)

Required Courses:

PHY 1101 General Physics I
PHY 1102 General Physics II
PHY 1103 Applied Electronics & Computers
PHY 2204 Introduction to Modern Physics
PHY 2211 Mathematical Physics
PHY 2212 Intermediate Mechanics
PHY 3311 Intermediate Electricity & Magnetism
PHY 4491 Capstone - Physics Seminar (1 hr.)
MAT 1117 Calculus I
MAT 1118 Calculus II

Two courses from:

PHY 1151 Computer Interfacing for Scientists
PHY 2209 Optics & Waves
PHY 3306 Thermodynamics
PHY 3309 Topics in Quantum Mechanics
PHY 3310 Computer Modeling of Physical Systems for Physicists
PHY 4402 Intro. Quantum Mechanics

One course from:

CSC 1106 The Art of Programming
MAT 2218 Linear Algebra
MAT 2219 Calculus III
MAT 3304 Differential Equations
CHE 1101 Intro. Chem. I: Structure & Bonding
CHE 1102 Intro. Chem. II: Chemical Reactivity

Recommended Courses:

PHY 2209 Optics & Waves
 PHY 3306 Thermodynamics
 PHY 3309 Topics in Quantum Mechanics
 PHY 3310 Computer Modeling of Physical Systems for Physicists
 PHY 4402 Introductory Quantum Mechanics
 CHE 1101 Intro. Chem. I: Structure & Bonding
 CHE 1102 Intro. Chem. II: Chemical Reactivity
 CSC 1106 The Art of Programming
 CSC 2217 Data Structures
 MAT 3304 Differential Equations

Suggested First-Semester Schedule:

Physics 1101 General Physics I
 English Composition (based on placement)
 First Year Seminar
 Mathematics (based on placement)

PHYSICS WITH A SPECIALIZATION IN COMPUTER SCIENCE (49 HRS.)

Required Courses:

PHY 1101 General Physics I
 PHY 1102 General Physics II
 PHY 1103 Applied Electronics & Computers
 PHY 1151 Computer Interfacing for Scientists
 PHY 2211 Mathematical Physics
 PHY 2212 Intermediate Mechanics
 PHY 4491 Capstone - Physics Seminar (1 hr.)
 MAT 1117 Calculus I
 MAT 1118 Calculus II
 CSC 1106 The Art of Programming
 CSC 2217 Data Structures
 Two courses of Computer Science electives at the 2000 or 3000 level

MINOR IN PHYSICS (24 HRS.)

Required:

PHY 1101 General Physics I
 PHY 1102 General Physics II
 Four courses in Physics at the 2000 level or above

Graduate study recommendations:

PHY 2209 Optics & Waves
 PHY 3306 Thermodynamics
 PHY 3309 Topics in Quantum Mechanics
 PHY 4402 Introductory Quantum Mechanics
 CHE 1101 Intro. Chem. I: Structure &

Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity
 CSC 1106 The Art of Programming
 MAT 3304 Differential Equations

One course from:

MAT 2218 Linear Algebra
 MAT 2219 Calculus III
 MAT 3316 Complex Analysis

PHYSICS - ENGINEERING MAJOR

This is designed as a five-year program. During the first three years, students are enrolled at McDaniel College, and during the last two years at an approved engineering school. At the present time the College has established programs with the University of Maryland; however, students may elect to attend any accredited engineering school.

Successful completion of the program provides students with a Bachelor of Arts degree in Physics from McDaniel College and a Bachelor of Science degree in engineering from the engineering school; the College's degree is awarded upon notification by the engineering school that students have met all requirements for the engineering degree. During the three years at the College, students must complete 96 semester hours, the Basic Liberal Arts Requirements, and the courses listed under Pre-Engineering in this catalog. In addition to these courses, there may be specific courses required by the engineering school to which students wish to transfer. Students are urged to select the desired school by the beginning of the sophomore year in order that those requirements can be considered in planning the College program. If students are interested in an engineering career, they should also consider the advantages of completing a standard four-year physics major program prior to transfer to an engineering school. With two additional years of study at an engineering school, students should complete a bachelor's degree in engineering, and may be able to complete a master's degree in engineering.

Contact: Dr. Pagonis, Physics

1101, 1102 General Physics I, II

4, 4 credits

An introduction to the fundamental phenomena, concepts, and theories of physics. The first semester deals with mechanics and heat. The second semester deals with electricity and magnetism, wave phenomena, and quantum physics.

Courses include laboratory.

Corequisite: Mathematics 1117 or permission of the instructor.

Scientific Inquiry with Laboratory.

1103 Applied Electronics and Computers

4 credits

An introduction to electronics with emphasis on laboratory applications of electronics. The use of microcomputers for data collection and analysis is emphasized. Topics include analog and digital electronics and uses of the microcomputer in the science laboratory. No previous experience with electronics is necessary.

Course includes laboratory.

1111 Introductory Astronomy

4 credits

A study of the stars and stellar evolution, the solar systems, galaxies, and cosmology, with emphasis on contemporary topics.

Scientific Inquiry.

Cross-listed with General Science 1111.

1151 (FR) Computer Interfacing for Scientists

4 credits

Intended primarily for students majoring in the sciences and mathematics. Specifically, the course will focus on different methods by which scientists collect, analyze, and present data using the computer. After collecting the data in the lab, students will set up a numerical model and will compare it to the actual experimental data. Specific examples will be taken from physics, biology, and chemistry laboratories. The course will involve some computer programming using the language TrueBasic, but no previous programming experience is necessary.

Cross-listed with General Science 1151.

2204 Introduction To Modern Physics

4 credits

Quantization, wave and particle aspects of matter, elementary quantum mechanics, atomic and molecular structures, solids, and nuclei.

Course includes laboratory.

Prerequisites: Physics 2211.

2209 Optics And Waves

4 credits

Geometrical and physical optics, with emphasis upon the latter; study of wave phenomena such as polarization, interference, diffraction, and scattering; comparison of electromagnetic and mechanical waves.

Course includes laboratory.

Prerequisites: Physics 2211.

Offered in 2007-2008 and alternate years.

2211 Mathematical Physics

4 credits

The application of mathematics to physical systems. Topics studied are techniques of integration, vector calculus, Fourier analysis, complex algebra, and some matrix methods.

Prerequisites: Physics 1102, Mathematics 1118.

2212 Intermediate Mechanics

4 credits

Newtonian mechanics applied to the motion of particles and systems, conservation laws, motion of rigid bodies, central force problems.

Course includes laboratory.

Prerequisite: Physics 2211.

3306 Thermodynamics

4 credits

Understanding thermodynamics means understanding how energy is allocated in simple and complex systems. This course will cover the basic laws of thermodynamics, equations of state, thermodynamic potentials, and classical and quantum statistics of gases. All aspects of the course will consider connections between theory and application.

Prerequisite: Physics 2212.

3309 Topics In Quantum Mechanics*4 credits*

Intensive study of one or two areas of contemporary physics such as atomic physics, elementary particle physics, molecular physics, nuclear physics, quantum statistical mechanics, and solid state physics.

Prerequisites: Physics 2204.

Offered in 2006-2007 and alternate years.

3310 Computer Modeling of Physical Systems for Physicists*4 credits*

An introduction to the computer modeling of physical systems using the program Mathematica. The course will focus on the numerical methods and graphing techniques that physicists use to model physical systems encountered in physics and engineering. General examples will be taken from Newtonian mechanics, electricity and magnetism, modern physics, quantum mechanics, and thermodynamics. This course is intended primarily for physics majors who wish to learn how to apply computer modeling to physical systems encountered in nature. No previous experience with Mathematica is necessary.

Prerequisites: Physics 1101, 1102, 2211.

3311 Intermediate Electricity And Magnetism*4 credits*

Electrostatics in free space and in dielectric media, magnetostatics in free space and in magnetic media, scalar, and vector potentials, electromagnetic induction, and introduction to Maxwell's equations.

Course includes laboratory.

Prerequisite: Physics 2211.

4402 Introductory Quantum Mechanics*4 credits*

Origins of quantum theory, the Schrodinger equation, physical meaning of quantum mechanics, and solutions of one- and three-dimensional problems.

Prerequisites: Physics 2204.

Offered in 2006-2007 and alternate years.

4491, 4492 Physics Seminar*1 credit*

Study of advanced topics in physics, emphasizing each semester one matter of particular importance to contemporary physics. Students are required to present material relevant to the topic.

2265; 3365; 4465 Special Topics In Physics*4 credits*

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships In Physics*0-4 credits*

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies In Physics*0-4 credits*

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

POLITICAL SCIENCE AND INTERNATIONAL STUDIES

Professors Leahy (Department Chair), Neal and H. Smith; Associate Professor Franke; Assistant Professor Johnson-Ross; Visiting Assistant Professor Brittingham.

Areas of particular teaching interest:
 Professor Smith: state and local governments, public opinion research, national and Maryland elections and campaigns; Professor Leahy: comparative politics of Western Europe, developing nations and communist nations, methodology of comparative politics and conflict resolution, international human rights; Professor Neal: judicial process, political theory,

American political behavior; Professor Franke: security studies, international relations, foreign policy, political psychology, political theory; Professor Johnson-Ross: comparative politics of developing nations, African politics, ethnicity and nationalism, gender, politics and popular culture.

To study the science and arts of politics is to examine and understand human behavior in a governmental context. The major in political science provides an informed sense of knowledge about governmental systems in general and of the American government and world affairs in particular. The curriculum in political science is directed towards an understanding of National and International Studies. It provides a particularly useful professional background for public service at the local, state, national, or international levels, for law, or for journalism, social work, teaching, and school administration.

Opportunity is afforded to students to participate in off-campus programs at the Washington Semester of The American University, the Washington Center, and other similar programs here and abroad.

Other Educational Options in Political Science: Dual majors with Economics, English, Foreign Language, History; Pre-Legal; Teacher Certification in Secondary (middle/high school) Social Studies. Minors are also available in Political Science and International Studies.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Political Science.

Please see the Dual Major section starting on page 205 for dual majors with Economics, English, Foreign Language, History, Social Work.

BASIC MAJOR (42 HRS.)

Required:

PSI 1101 Introduction to Political Science

Two courses from Political Inquiry:

PSI 1111 Classical Political Thought or PSI

1112 Modern Political Thought

PSI 4492 Capstone - Senior Seminar

Two hours of Independent Studies

Three courses from American Politics:

PSI 2201 American Political Institutions

PSI 2202 State & Local Government

PSI 2207 American Public Policy

PSI 2215 Environmental Policy

PSI 2216 United States Campaigns & Elections

PSI 2222 Research Methods and Design

PSI/BUA 3305 Public Administration

PSI 3308 American Constitutional Law

PSI 3319 American Civil Liberties

Three courses from International

Relations/Comparative Politics:

PSI 2203 International Law & Organization

PSI 2204 Approaches to International Relations

PSI 2213 Comparative Politics of Western European Politics

PSI 3307 U.S. Foreign Policy

PSI/CCS 3310 Politics of Developing Areas

PSI/CCS 3317 Comparative Politics of Communist & Postcommunist Political Systems

PSI/CCS 3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World

(Students must take a total of seven courses from the two groups above.)

Recommended:

Computer Science

Economics

History

Literature

Philosophy

Psychology

Social Work

Suggested First-Year Schedule:

Political Science 1101

One course from:

English Composition (based on placement)

First Year Seminar

Foreign Language

Two General Education requirements

Physical Education Activity or Military Science

SPECIALIZATION IN INTERNATIONAL STUDIES AND COMPARATIVE GOVERNMENT (48 HRS.)

Required Courses:

PSI 1101 Introduction to Political Science

Two courses from Political Inquiry:

PSI 1111 Classical Political Thought or PSI

1112 Modern Political Thought

PSI 2203 International Law & Organization

PSI 2204 Theories & Approaches to International Relations

Two courses selected from the following:

PSI 2213 Comparative Politics of West. Eur. Politics

PSI/CCS 3310 Politics of Developing Areas

PSI/CCS 3317 Comparative Politics of Communist & Postcommunist Political Systems

PSI/CCS 3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World

Two Foreign Language courses beyond the College requirement

Four additional courses in consultation with the student's academic advisor. In addition to other comparative and international course offerings they might include courses in History, Economics, Statistics, Psychology, or Foreign Languages.

PSI 4492 Capstone - Senior Seminar

MINOR IN POLITICAL SCIENCE (24 HRS.)

PSI 1101 Introduction to Political Science

PSI 1111 Classical Political Thought or PSI 1112 Modern Political Thought

Two courses from:

PSI 2201 American Political Institutions

PSI 2202 State & Local Government

PSI 2207 American Public Policy

PSI 2216 United States Campaigns & Elections

PSI 3308 American Constitutional Law

PSI 3319 American Civil Liberties

Two courses from:

PSI 2203 International Law & Organization

PSI 2204 Approaches to International Relations

PSI 2213 Comparative Politics of West. Eur. Politics

PSI 3306 National Security in a Changing World

PSI 3307 U.S. Foreign Policy

PSI/CCS 3310 Politics of Developing Areas

PSI/CCS 3317 Comparative Politics of Communist & Postcommunist Political Systems

MINOR IN INTERNATIONAL STUDIES (24 HRS.)

PSI 1101 Introduction to Political Science

PSI 2204 Approaches to International Relations

One course from the following:

PSI 2213 Comparative Politics of Western European Politics

PSI/CCS 3310 Politics of Developing Areas

PSI/CCS 3317 Comparative Politics of Communist & Postcommunist Political Systems

PSI/CCS 3333 Conflict Resolution

One Foreign Language course beyond the College requirement

Two additional courses in consultation with the student's academic advisor.

PRE-LAW PREPARATION

Law schools do not require a particular undergraduate major. They are much more interested in the quality of the work done, and generally, a student will do best in the subjects that he or she likes best. Political Science, however, does offer a number of courses especially related to the study of the law, e.g., Constitutional Law, International Law, Public Policy, and Civil Liberties.

Contact: Dr. Neal, Political Science and International Studies

Political Science and International Studies Course Descriptions (PSI)

1101 Introduction to Political Science *4 credits*

A survey of political systems with an emphasis on theoretical principles of government and the citizen's relationship to the state. The course will also examine the methodology of the

discipline of political science, including various aspects of the political and governmental process.

Social, Cultural, and Historical Understanding.

1111 Classical Political Thought

4 credits

A survey of classical political thought from the ancient Greeks through the medieval period.

The course will emphasize the concepts of natural law, Roman law, church-state relations, and other topics relating to the political ideas of the period.

Social, Cultural, and Historical Understanding.

1112 Modern Political Thought

4 credits

An overview of political thought from the Enlightenment to the present with particular focus on the origin, nature, function, structure, and organization of the state and its relation to the citizens governed by it. The course explores the justification of governmental authority and the scope of governmental rights to interfere with individual lives and discusses the utility of political philosophy for contemporary life.

Social, Cultural, and Historical Understanding.

1151 (FR) Law, Order, and Social Change in America

4 credits

Interrelations between law and the political system in the United States: the Constitution, legislation, administrative regulations, judicial decisions, and courts in politics.

2201 American Political Institutions

4 credits

An examination of the organization of the American government and its relationships to political life. Such topics as the constitutional context, the importance of interest groups, the influence of the media, voter behavior, and the executive, legislative, and judicial branches will also be considered. Sustained attention and special focus is directed to the development and growth of the modern Presidency.

Social, Cultural, and Historical Understanding.

2202 State and Local Government

4 credits

A comprehensive survey of state, county, and urban politics and administration with

emphasis on the evolving federal relationship, the development of strong governors, and the emergence of professional state legislatures.

Special attention is given to Maryland problems, prospects, policy dynamics and the environment as well as to the politics of public education.

Social, Cultural, and Historical Understanding.

2203 International Law and Organization

4 credits

An introduction to the history, purpose, environmental policy and scope of international law and organizations. Questions this course attempts to answer include: How does international law affect states, international organizations, non-state actors, and individuals? Who creates international law, and who is governed by it? What is the relation between international and domestic law? What role do international organizations play in the international system? How does membership in international organizations influence states' abilities to achieve their goals?

Prerequisite: Political Science and International Studies 1101.

2204 Approaches to International Relations

4 credits

An introduction to the major theories and approaches for analyzing global developments, studying the structure and organization of the international system, examining the various actors shaping world politics, exploring causes of conflicts and means for conflict resolution, and reflecting on the future of international relations and the role of individuals in the world community.

2205 The European Union: History, Institutions, and Major Policies (Offered at the Budapest Campus)

4 credits

This is a one-semester course encompassing all essential features of European integration and the existing European Union.

2207 American Public Policy

4 credits

An examination of the major theoretical, conceptual, and practical issues in the study of public policy and the policy process, with examples drawn from current issues in American policy. These may include education, civil liberties, political economy, environmental policy, welfare, and energy. Social, Cultural, and Historical Understanding.

2210 Media & Politics

4 credits

An examination of the "symbiotic" relationship between the news media and public officials in America. Special emphasis is placed on the interplay between the press and presidency and between the press and Congress. Cross-listed with English 2210.

2213 Comparative Politics of Western European Polities: The United Kingdom, France, and Germany

4 credits

A comparative methodological analysis of the Western European governments of the United Kingdom, France, and Germany with an emphasis on systems analysis, political culture, structural-functionalism, and elite analysis. All three polities are members of the European Union which is also analyzed with relation to the regional integration of Europe. International Western.

2214 African Politics through Literature

4 credits

It is often difficult for Westerners to grasp the intricacies and subtlety of African politics. Literature can be used as a vehicle for discussing the difficult topics that arise in a relatively exciting and stress-free manner. African authors like Ngugi wa Thiongo, Chinua Achebe, Buchi Emecheta, and Nadine Gordimer provide historical context and local color while dealing with issue that continue to confront African governments such as the colonial encounter/legacy, poverty/underdevelopment, the role of women, and Africa's place in the global community. This course is designed to emphasize politics viewed through

the lens of African authors, for who can better tell the stories than those who live them? The selected texts reflect both an historical and a geographical coverage of Africa. Film may be used to complement the novels. International Nonwestern.

2215 Environmental Policy

4 credits

An investigation of the history, institutions, and decision-making processes that shape environmental policy in the United States. The course will emphasize the roles of and relationship between local, state, and federal governments as well as industry, science, and public opinion in environmental management and protection.

2216 United States Campaigns and Elections

4 credits

An examination of the development of American election campaigns from party-based to candidate-centered and media-oriented. The course features in-depth coverage of the role of public opinion polling and its various strategic and tactical uses in campaign politics. Among the topics related to survey research will be sampling, question wording, questionnaire design, and analysis of the results. Social, Cultural, and Historical Understanding.

2217 Contemporary African Politics

4 credits

The purpose of this course is to provide an introduction to the study of contemporary African politics. Readings and lectures will focus on the historical, cultural, and economic aspects of African political development from the colonial era through today. Particular attention will be paid to issues and problems that face contemporary African governments. We will also address Africa's interconnectedness to the Western world. International Nonwestern.

3306 National Security in a Changing World

4 credits

A survey of the international and domestic factors that shape contemporary U.S. national security policy and strategy. The course provides a brief introduction to traditional conceptions of military strategy and the use of force, examines the extent to which domestic political factors influence national security policy-making, and explores the merits and shortfalls of future national security strategies. Topics discussed include civil-military relations, leadership and accountability, terrorism, peacemaking and peacekeeping, and resource management.

Prerequisite: Political Science and International Studies 1101 (recommended).

Cross-listed with Sociology 3306.

3307 U.S. Foreign Policy

4 credits

An overview over U.S. foreign policy from the Second World War to present. The primary objective is to acquire a general understanding of the main ideas, events, and strategies that have shaped U.S. foreign policy over the past half-century. Topics discussed include containment, deterrence, the nuclear arms race, humanitarian intervention and the use of force, economic assistance and trade, and a number of regional and thematic issues.

3308 American Constitutional Law

4 credits

Introduction to the study of the principles of constitutional law as related to the changing political, social, economic and environmental problems of the United States; the role of the Supreme Court in the political process. Social, Cultural, and Historical Understanding.

3310 Politics of Developing Areas

4 credits

An examination of the political, social, environmental policy, and economic problems of "third world" development with Latin America as the regional area of focus. The models of corporatism, bureaucratic-authoritarianism, civil-military relations, and dependency theory are applied to case studies in Argentina, Brazil, Cuba, and Peru. An examination of the role of women in

development as well as the impact of development on the environment is also included. Sustainable development models are offered as an alternative to the failed attempts at development.

International Nonwestern.

Cross-listed with Cross Cultural Studies 3310.

3311 Third World Politics

4 credits

The purpose of this course is to provide an introduction to the study of third world politics, a subset of comparative politics. Understanding global politics is important to the lives of all global citizens. Through a focus on the study of Africa and Asia, students will gain an understanding of terminology and concepts, types of political systems, international issues (economics, environment, socio-cultural) and changes in political systems and culture around the world.

3312 The Politics of African Diaspora

4 credits

This course will entail an examination of the political/historical/social processes of African nationalism and the American civil rights movement as a global phenomenon. Framed by the defining moments of the 20th century (i.e. WWI, WWII, the Viet Nam Conflict, the Cold War), students will examine the ideas of pan-Africanist/Nationalist thinkers such as Aimee Cesaire, Frantz Fanon, Amilcar Carbral, Kwame Nkrumah, Marcus Garvey, W.E.B. DuBois, A. Philip Randolph, Martin Luther King, Jr., and Malcolm X. Topics to be explored include: the idea of African diaspora; pan-Africanism; collective self-determination; the construction of gender roles and configurations of class within nationalist discourses; and the role of African cultural expression in freedom struggles. We may also examine a few contemporary legacies of the diasporic African nationalist movement.

International Nonwestern; Social, Cultural, and Historical Understanding.

3313 Politics of Global Feminisms

4 credits

Students in this course will examine the development and content of a worldwide feminist movement. Its diversity, complexity, and contested nature is what characterizes the movement as consisting of multiple feminisms rather than a single unifying ideology and practice. We will examine in depth the concerns and challenges facing women in the western world in contrast to the concerns of women in Africa, Asia, Latin America, and the Caribbean in the age of globalization. International Nonwestern.

3315 The Politics of Ethnicity and Nationalism

4 credits

Differences between people – ethnicity, culture, race, language, religion – are at the center of most contemporary internal conflicts. By extension, the implications for international relations are serious since most countries in existence today are not ethnically or culturally homogeneous. The purpose of this course is to provide an introduction to the study of ethnicity and nationalism, a serious and complex undertaking. Some of the critical questions we will address are: What is ethnicity? What are the sources of nationalism? Why are ethnic/nationalist differences seemingly so intractable? How might governments manage differences among citizens? How might international coalitions deal with ethnic/nationalist conflicts that influence the international system? International Nonwestern.

3317 Comparative Politics of Communist and Postcommunist Political Systems

4 credits

A comparative exploration of the historical, cultural, social, political, and economic similarities and differences in the systems of the Former Soviet Union and The People's Republic of China. Both systems attempted to implement Marxism in their systems. The failure of Marxism in the Former Soviet Union and the revisions of the application of the Marxist model in China are explored. Theoretical paradigms that attempt to predict the future of

these regimes are also analyzed.

International Nonwestern.

Cross-listed with Cross Cultural Studies 3317.

3319 American Civil Liberties

4 credits

A study of the First Amendment and the Fourth Estate with an emphasis on the major Supreme Court decisions on freedom of speech, press, environmental policy, communication law, assembly, and the law of mass media. This course involves students in classroom simulations and visits to courts. Social, Cultural, and Historical Understanding.

3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World

4 credits

This course is designed to expose students to the multifaceted nature of conflict on the inter and intra state levels, historically, and in the current post Cold War period. This objective will be achieved by exploring the sources, causes, environmental impact, and determinants of conflict, presenting the various perspectives on the genesis and the amelioration of conflict, and utilizing some case method analysis to demonstrate the life cycles of some specific conflicts and the management or resolution thereof. The cases vary each semester but have included the following: The Middle East Conflict, the Anglo-Irish Conflict, the Gulf War (and now the second war against Iraq), the war on terrorism, and the conflict in former Yugoslavia and Rwanda. The course also covers the spread of radical fundamentalist Islam as a source of conflict in the Post Cold War World and specifically with regard to the "War on Terror."

International Nonwestern.

Cross-listed with Cross Cultural Studies 3333.

4492 Senior Seminar

4 credits

An analysis of various topical or recurring problems in the area of either domestic or international politics. This course serves as a focal point for an integration of methodology, theory, and substantive problem areas.

4493 Honors Project

4 credits

An independent research paper for students who are candidates for departmental honors.

2265; 3365; 4465 Special Topics in Political Science

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in Political Science

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

1198; 2298; 3398; 4498 Independent Studies in Political Science

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

PSYCHOLOGY

Associate Professors Madsen and McDevitt (Department Chair); Assistant Professors Chalk and Morris; Visiting Assistant Professor Nelson; Senior Lecturer Mazeroff.

Areas of particular teaching interest:

Professor Madsen: child and adolescent development, interpersonal relationships; Professor McDevitt: operant and classical conditioning, applied behavioral analysis, and choice behavior; Professor Chalk: abnormal psychology, counseling, and health psychology; Professor Morris: social psychology and the psychology of stigmatization and prejudice; Professor Nelson: language, memory, and emotion; Lecturer Mazeroff: introductory psychology, psychopharmacology, psychopathology and stress, and "music and the brain."

Psychology is a pluralistic discipline with roots in and connections to the natural sciences, the social sciences, and the humanities. This Department reflects the diversity in the field. The program in psychology offers instruction in a variety of fields including human learning, behavior analysis and modification, cognition, language, adulthood and aging, counseling, psychological research, social psychology, child and adolescent development, psychological assessment, and industrial/organizational psychology. The Department offerings provide comprehensive courses and laboratory experiences, extensive internship possibilities and field placements, and opportunities for student-faculty research. The emphasis in all of the courses is on scholarship, research, and pre-professional activities in psychology and related fields. The Department urges all interested and qualified students to pursue Departmental Honors in Psychology. Recent graduates have entered masters or doctoral programs at universities across the country and others have pursued careers in human resources, nursing, law, research, education, and human services.

Other Educational Options in Psychology: Teacher Certification - Elementary (1-6). The Department offers a minor in psychology and a dual major in psychology-sociology. The Department offers various options for majors. Courses listed for these options are only minimum requirements.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Psychology.

Please see the Dual Major section for the dual major with Sociology.

Departmental Honors

Requirement: A 3.50 GPA in all courses taken in the major and completion of an honors project.

An honors project is a very important consideration for graduate study in psychology. Students are encouraged to engage in any one of a variety of projects (laboratory research, field studies or surveys, case histories, theoretical analysis, etc.) Students should see any full-time faculty member of the Psychology department for information and assistance. Projects should be initiated by the end of the student's junior

year. The final honors project is evaluated and must be approved by all members of the department.

BASIC MAJOR (40 HRS.)

Required:

PSY 1106 Introduction to Psychology

PSY 2201 Psychology of Learning and Animal Laboratory OR PSY 2215 Cognitive Psychology and Cognitive Laboratory

PSY 2211 Psychology of Abnormality

PSY 2223 Psychological Methods & Statistics I (lab included)

PSY 2224 Psychological Methods & Statistics II (lab included)

Four additional Psychology courses (Cannot be a Capstone course, independent study, or internship.)

One capstone course or independent research conducted under the supervision of a faculty member. At least one capstone course is offered as a seminar each semester. The topics are determined by both faculty expertise and student interest.

Recommended:

BIO 1111 Principles of Biology I or BIO 1118 Human Biology

SOC 1104 Introduction to Global Societies

Suggested First-Year Courses:

BIO 1111, 1118, or SOC 1104

PSY 1106

English Composition and a Foreign Language

McDaniel Plan Requirements

First Year Seminar

Five-year B.A. (Psychology or Social Work) and M.S. in Counseling Program.

Through this program, students can obtain a B.A. in psychology or social work by the end of the fourth year, and a M.S. in mental health counseling by the end of the fifth year. Students may apply at the end of the sophomore year or beginning of the junior year. They will be required to complete all of the requirements for the B.A., as well as three graduate courses by the end of the fourth year. By taking courses during the summer after getting their B.A. and during year five, they will be able to receive their M.S. in Counseling at the end of the

second semester of their fifth year. Interested students should contact Dr. Mazeroff (psychology), Dr. Rees (social work), or Dr. Orza (graduate studies).

MINOR IN PSYCHOLOGY (24 HRS.) **

Required:

PSY 1106 Introduction to Psychology

Four additional courses from Psychology

STA 2215 Statistics for Social Science

** Three of the five psychology courses must be taken at McDaniel College

Psychology Course Descriptions (PSY)

1106 Introduction to Psychology

4 credits

An introductory course designed to develop an understanding of the basic principles governing behavior, with emphasis on the scientific method of studying behavior. Intelligence, motivation, emotion, perception, learning, personality, workplace issues, and social factors that influence the individual will be considered. Social, Cultural, and Historical Understanding

2201 Psychology of Learning and Animal Laboratory

4 credits

This course provides an overview of the fundamental processes of learning based on the principles of operant and Pavlovian conditioning. Topics discussed include research methodology, stimulus control, schedules of reinforcement, and contemporary models of choice behavior. Students participate in three additional hours of laboratory work per week during which they collect and interpret animal subject data.

Prerequisites: Psychology 1106 and Psychology major, or permission of instructor.

Scientific Inquiry with Laboratory.

2204 Social Psychology

4 credits

This course will introduce students to research and theory in social psychology. Social psychology involves the study of how other people (real, imagined, or implied) influence our thoughts, feelings, and behavior. This course will include discussion of research in the areas of the self, social cognition, conformity,

persuasion, group behavior, stereotyping and prejudice, attraction, aggression, prosocial behavior, and gender and culture.

Prerequisite: Psychology 1106.

Social, Cultural, and Historical Understanding.

2209 Child and Adolescent Development

4 credits

The study of developmental changes from the prenatal period through adolescence, with particular emphasis on how physical, cognitive, and social-emotional development interact in forming the whole person. Special attention will be given to theoretical perspectives, the contexts within which development operates (home/school), and the application of research to current topics.

Prerequisite: Psychology 1106.

Social, Cultural, and Historical Understanding.

2210 Music, Mind, and Brain

4 credits

An exploration of how the brain processes musical experience. After a review of the elements of music and the structure/function of the nervous system, students will examine how concepts such as musical training and style correlate with brain function, how the brain responds to emotional content in music, and how music impacts hemispheric laterality. Special topics, such as creativity, the Mozart effect and the relationship between musical genius and creativity will be examined. The course includes a laboratory, using tools such as EEG, EMG, GSR, EKG, skin temperature readings and pulse rate.

Prerequisite: Psychology 1106 and Music 1134 or permission of instructor.

Scientific Inquiry with Laboratory.

Cross-listed with Music 2210

2211 Psychology of Abnormality

4 credits

The incidence, causes, treatment, and prevention of abnormal behavior of persons; major focus on adult populations.

Prerequisite: Psychology 1106.

2212 Psychology of Gender

4 credits

This course offers an examination of the psychological and behavioral differences between men and women. The origin of gender differences will be addressed from biological, developmental, and social psychological perspectives. This class will use psychological research and theory to examine how gender differences affect the functioning of men and women in work, relationships, health, etc. Emphasis will be placed on understanding gender as a social psychological construct.

Prerequisite: Psychology 1106.

Cross-listed with Interdisciplinary Studies 2212.

2215 Cognitive Psychology and Cognitive Laboratory

4 credits

This course will introduce students to current theory and research in cognitive psychology: how the human brain and mind give rise to our perceptions, thoughts, and feelings. Topics discussed will include perception, attention, memory, language, emotion, mental models, reasoning and judgment, conscious and unconscious mental processing, Buddhist and western collaborative study of cognitive techniques such as meditation and mindfulness, and the relationship of cognitive theories to therapeutic modalities such as psychodynamic and cognitive-behavioral therapy.

Prerequisite: Psychology 1106.

Scientific Inquiry with Laboratory.

2217 Psycholinguistics

4 credits

The course covers current theories and research findings on how our mind acquires, understands, produces and uses language. It also aims to sharpen students' ears for the language use that constantly surrounds them. The course will cover topics such as: language and the brain, language development, the phonetic and syntactic patterning of language, dialects of American English, and language use in social context.

Prerequisite: Psychology 1106.

2220 Psychology in the Workplace

4 credits

An exploration of the principles of psychology as they are relevant to the work environment. Included will be a discussion of how psychologists can help improve the workplace and address organizational concerns. Topics include selection, training, personnel evaluation, and the characteristics of a variety of work environments. Discussions will consider also how these practices may affect organizational or individual effectiveness and attitudes.

Prerequisite: Psychology 1106 or Sociology 1104.
 Cross-listed with Business Administration 2220.

2223 Psychological Methods & Statistics I

4 credits

This course offers an introduction to research methods in psychology and statistical analysis. Non-experimental research methods and descriptive statistics are emphasized. Students will learn how to translate psychological constructs into measurable variables and describe patterns of data including measures of central tendency, variability, correlation, and regression. This course is the first part of a two-part series required for Psychology Majors (PSY 2223 – PSY 2224).

Prerequisites: Psychology 1106 and Mathematics 1001, 1002 or placement above MAT 1002.

2224 Psychological Methods & Statistics II

4 credits

This course focuses on experimental research design and inferential statistics. Statistical tests include t-tests; analysis of variance for between-groups factors, within-groups factors, and combinations of such factors; and non-parametric tests. The weekly laboratory session is intended to give students hands-on experience designing experiments and analyzing data. This course is the second part of a two-part series required for psychology majors (PSY 2223 – PSY 2224).

Completion of this two-part series satisfies the Quantitative Reasoning Requirement.

Prerequisites: Psychology 2223.

Quantitative Reasoning (with PSY 2223).

3202 Behavior Modification

4 credits

An introduction to the discipline of Applied Behavior Analysis, which uses operant and Pavlovian conditioning to change human behavior. Topics discussed will include reinforcement, punishment, extinction, stimulus control, discrimination, and generalization. Students will design and implement a behavior-change project in which they will use the concepts of behavior analysis to improve the behavior of a person or animal.

Prerequisites: Psychology 2201, or permission of instructor.

3201 Inside the Criminal's Mind

4 credits

This course will cover various topics, including stalking, child molestation, cult involvement, etc., with a focus on the criminal mind and the criminal justice system. In addition, some attention will be given to traditional issues of competency, criminal responsibility, and the insanity defense.

Prerequisite: Psychology 1106

3303 Psychology of Personality

4 credits

An overview of the major theories of personality and assessment strategies. Emphasis will be on the normal personality in a diverse world with some attention to disordered personalities.

Prerequisite: Psychology 1106 or Sociology 1104.

3305 Health Psychology

4 credits

An introduction to the foundations and practice of health psychology. A bio-psycho-social perspective is applied to the promotion and maintenance of health and the prevention and treatment of illness. Behavioral components of health risk factors and improvement of the health care system are addressed.

Prerequisite: Psychology 1106.

3306 Adolescence

4 credits

An in-depth study of development during adolescence, including biological, cognitive, and social transitions. Students will examine how changes in the adolescent's environment (e.g., school, family, peer groups, and culture)

intersect with individual advances (e.g., identity, autonomy, intimacy, and moral development). Special attention will be given to current research on adolescence and application of research to promote adolescents' psychological well being.

Prerequisite: Psychology 1106; Psychology 2209 recommended.

3307 Psychology of the Exceptional Child

4 credits

An overview of the psychological effects of major exceptionalities including giftedness, deafness, blindness, mental retardation, brain injury, speech defectiveness, mental illness, and orthopedic problems, with the emphasis upon children and on the treatment, rehabilitation, and educational techniques available to serve persons with these exceptionalities.

Prerequisite: Psychology 1106.

3308 Adulthood and Aging

4 credits

Psychological and personality changes from young adulthood through old age; adult socialization and the age status system; changing concomitants of family relationships, employment, leisure, and retirement; health issues, psychopathology, and death.

Prerequisite: Psychology 1106.

Cross-listed with Sociology 3308.

3337 Helping Relationships/Counseling

4 credits

An overview of psychological counseling with emphasis on a flexible, broadly based approach to the development of helping skills with a diversity of clients.

Prerequisites: Psychology 1106 and 2211.

3338 Practicum in Helping Relationships/Counseling

4 credits

Supervised internship experience in a human service agency designed to facilitate the use of skills unique to the helping professions (counseling/behavioral intervention). Course includes on-campus seminar sessions on special populations and off-campus supervised practice with clients served by the agency. Placement may include youth service programs, group

homes, mental health organizations, geriatric centers, programs for the developmentally disabled, etc.

Prerequisites: Psychology 2211, and permission of the instructor.

3392 Internship in Gerontology

2 credits

Supervised field experiences in appropriate settings designed to assist students in acquiring and using skills and knowledge of the field of study unique to gerontology. Possible settings for internships include long-term care facilities, voluntary health organizations, professional associations, senior centers, churches, pastoral counseling centers, social service agencies for the aged, and research centers.

Cross-listed with Biology 3392, Religious Studies 3392, Social Work 3392, and Sociology 3392.

4492 Capstone in Psychology

4 credits

An advanced study of a specific topic or overarching theme in psychology. Emphasis will be on discussion and analysis of original literature, psychological theory, and research. One capstone course will be offered each semester with rotating topics and instructors.

Prerequisites: Junior or senior status and permission of the instructor. Some specific offerings may have additional prerequisites.

2265; 3365; 4465 Special Topics in Psychology

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interest and needs.

2295; 3395; 4495 Internships in Psychology

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Psychology

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

4499 Independent Capstone Study in Psychology

0-4 credits

RELIGIOUS STUDIES

Professor Alles (Department Chair); Associate Professor Jakoby; Assistant Professor Bradley.

Areas of particular teaching interest:

Professor Alles: religions of South Asia and the ancient Mediterranean world, methods and theories in the study of religions; Professor Jakoby: philosophy of religion, especially in 19th- and 20th-century continental philosophy, critique of religion in Nietzsche and Heidegger.

Religions make crucial contributions to the human worlds in which we live. They affect our pasts and presents, ideas and convictions, emotions and desires, actions and values, associations and antagonisms, artistic, literary, and musical creations. Courses in religious studies aim to provide students with knowledge and skills that will enable them to understand religions and their contributions, both positive and negative, and so to live intelligently and humanely. They do not presume any religious commitment on the part of the student, nor do they endorse, promote, or condemn any particular religion, set of religions, or religion in general. Instead, they examine religions as subjects of academic inquiry, and they use a variety of methods to do so, humanistic, social scientific, at times even natural scientific.

Some courses in Religious Studies may help students develop a better and more critical understanding of their own traditions or of traditions they encounter, whether those traditions are Jewish, Buddhist, Christian, or something else. Other courses invite students to engage critically and creatively with religious

worlds of thought and various modes of ethical reflection. Many courses address a number of different religious traditions. Students may find these courses helpful in broadening their perspectives not only on religion but also on the world. Indeed, some students choose a major or minor in Religious Studies to broaden or globalize their primary major.

The Baltimore-Washington area is home to a particularly rich variety of religions. In addition to sponsoring films, speakers, and other cultural events on campus, the Department regularly supplements course work with visits to religious institutions in the area.

Other Educational Options in Religious Studies: Special programs combining Religious Studies with other disciplines.

Four hours in Religious Studies or permission of instructor are prerequisite for all courses numbered 3000 and above.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Religious Studies.

Please see the Dual Major section for dual majors with Philosophy.

Departmental Honors

Students who have a 3.50 GPA in courses in the major, a 3.20 GPA overall and receive an "A" grade on their senior thesis (REL 4492) receive departmental honors.

BASIC MAJOR (42 HRS.)

REL 1102 Religion & Culture or REL 1151

The Good Life

PHI 1102 Critical Thinking or PHI 2233

Elementary Logic

REL 2240 Religion & Critical Thought

REL 4492 Capstone - Senior Thesis

Two courses from:

Historical and analytical studies of religions

REL 2204 Women and Religion

REL 2210 Jesus at the Movies

REL 2222 Hinduism

REL 2224 Buddhism

REL 2251 Religion in Western Culture I

REL 2252 Religion in Western Culture II

REL 2254 Religions of Africa and the

Indigenous Americans

And selected special topics courses (REL 2265 or 3365)

Two courses from:

- Religious thought and ethics
- REL 2211 Issues of Social Justice
- REL 2212 Martin and Malcolm
- REL 2216 Religion, Politics, and Society
- REL 2232 Religion and Evil
- REL 3302 Classical Indian Philosophy
- REL 3303 God, Self, and World
- REL 3328 Social Inequality and Justice
- And selected special topics courses (REL 2265 or REL 3365)

Two courses from:

- Religious Studies, 2000 level or higher

Two hours of:

- REL 2291 Directed Readings in Religious Studies

Suggested First-Year Schedule:

English Composition (based on placement)

History

Political Science

Psychology

Religious Studies

Laboratory Science

Foreign Language

First Year Seminar

MINOR (21 HRS.)

REL 1102 Religion & Culture or REL 1151

The Good Life

REL 2240 Religion & Critical Thought

One course from:

Historical and analytical studies of religions

One course from:

Religious thought and ethics

One course from:

Religious Studies, 2000 level or higher

One hour of:

REL 2291 Directed Readings in Religious Studies

Contact: Drs. Alles or Hadley, Religious Studies

Religious Studies Course Descriptions (REL)

1102 (FR) Religion and Culture

4 credits

An introduction to religious studies that examines the various ways religion is implicated in human culture. General topics include culture as a vehicle for religious expression, religion as a critique of culture, and the place of religion in

American public life. The course presents case studies drawn from the world's major religions as well as major, contrasting theoretical perspectives.

International Nonwestern; Social, Cultural, and Historical Understanding.

1151 (FR) The Good Life

4 credits

How should one live one's life? What makes a human life good? This course is an introductory study of a variety of religious and philosophical ideals for human living. The course draws upon the wisdom of religious traditions, philosophical schools of thought, and great literature from the ancient and modern worlds and explores the contemporary relevance of such ideals.

2204 Women and Religion

4 credits

An examination of the contributions women have made to the world's religions, and of the ways in which religions have affected women's lives, positively and negatively.

2210 Jesus at the Movies

4 credits

An academic examination of the manner in which filmmakers both portray the story of Jesus in film and use, consciously and unconsciously, motifs and themes from the Jesus story in other films. Social, Cultural, and Historical Understanding.

2211 Issues of Social Justice

4 credits

A comparative philosophical and religious exploration of theories of justice and specific moral issues. Issues discussed include gender and racial equality, economic welfare, abortion, euthanasia, capital punishment, war, and animal rights.

Social, Cultural, and Historical Understanding; Textual Analysis.

Cross-listed with Philosophy 2211.

2212 Martin and Malcolm*4 credits*

The examination of the contributions of Martin Luther King, Jr., and Malcolm X to American society. Special attention will be given to the subjects of Christianity and Islam, religion and politics, the Civil Rights Movement, and Black Nationalism. Multicultural; Social, Cultural, and Historical Understanding.

2216 Religion and Politics*4 credits*

An examination of the interplay of religion and politics. The course explores how religions have understood political order and how various polities have supported, tolerated or controlled religious practices. Special attention will be given both to church-state issues in the American context and to Islamic radicalism. Social, Cultural, and Historical Understanding.

2222 Hinduism*4 credits*

An examination of Hinduism in history, its philosophies and mythologies, ritual practices, social structures, and ethics as well as of Hinduism in the United States. The course includes visits to Hindu institutions in the surrounding area. International Nonwestern; Social, Cultural, and Historical Understanding. Cross-listed with Cross Cultural Studies 2222.

2224 Buddhism*4 credits*

An examination of the history of Buddhism, the practices, teachings, and forms of organization of its three major traditions – Theravada, Mahayana, and Vajrayana – and the development of Buddhism in the United States. The course includes visits to Buddhist institutions in the surrounding area. International Nonwestern; Social, Cultural, and Historical Understanding. Cross-listed with Cross Cultural Studies 2224.

2232 Religion and Evil*4 credits*

An examination of the nature and meaning of evil. The course focuses upon several forms of evil with particular attention to the Jewish

experience in the Holocaust and the African-American legacy of racial discrimination during and after slavery. Readings are drawn from a variety of religious and philosophical traditions and from historical and literary narratives. Social, Cultural, and Historical Understanding; Textual Analysis.

2235 History of Gospel Music*4 credits*

An overview of black gospel music in America covering spirituals, traditional and contemporary gospel. Sociological conditions and important works by key figures in a variety of styles will be coupled with lectures and reading. Cross-listed with Music 2235.

2240 Religion and Critical Thought*4 credits*

A critical engagement with major theories and methods in the study of religions. Equal attention is given to both historical-hermeneutical and ethical-critical approaches. Social, Cultural, and Historical Understanding; Textual Analysis.

2251 Religion in Western Culture I*4 credits*

A selective historical introduction to the impact of religious beliefs, practices, and loyalties on the history, thought, social movements, and cultural practices (such as art, drama, literature, and music) of the ancient world. This course will concentrate on the civilizations of ancient Mesopotamia or Egypt, Greece, Israel, and Rome.

2252 Religion in Western Culture II*4 credits*

A selective historical introduction to the impact of religious beliefs, practices, and loyalties on the history, thought, social movements, and cultural practices (such as art, drama, literature, music, and film) of the medieval and modern periods. This course will concentrate on the High Middle Ages, the Renaissance and Reformation, and the Enlightenment and post-Enlightenment periods.

2254 Religions of Africa and the Indigenous Americans

4 credits

An examination of the myths and ideas, rituals, and institutions associated with the religious traditions of prehistoric peoples and contemporary tribal people of Africa and the indigenous Americans.

Cross-listed with Cross Cultural Studies 2254.

2291 Directed Readings in Philosophy and Religious Studies

1 credit

A close reading of a major text in philosophy and/or religious studies. Students will also become familiar with selected critical studies of the text.

Course may be repeated up to four semesters for credit.

3302 Classical Indian Philosophy

4 credits

A rigorous introduction to the classical Indian tradition of philosophical thought, from its roots in the Vedas and Upanishads to its systemization in the six orthodox (astika) schools. Attention is also given to the "heterodox" views of the Buddhists, the Jains, and the "materialists." International Nonwestern; Social, Cultural, and Historical Understanding.

Cross-listed with Cross Cultural Studies 3302 and Philosophy 3302.

3303 God, Self, and World

4 credits

A comparative study of how human beings have variously envisioned divine reality. The course examines a variety of religious traditions and thinkers' conceptions of reality and how humans fit into this imagined reality. The course devotes attention to both theistic and non-theistic views from around the globe. Social, Cultural, and Historical Understanding; Textual Analysis.

3328 Social Inequality and Justice

4 credits

An ethical analysis of the social structures of race, religion, gender, and class in the United States and how they contribute to social inequalities. Special attention given to the dynamics of social privilege and to various

conceptions of a just society.

Prerequisite: Sociology 1103 or 1104, or 4 hours in Philosophy or Religious Studies.

Cross listed with Sociology 3328.

3392 Internship in Gerontology

2 credits

Supervised field experiences in appropriate settings designed to assist students in acquiring and using skills and knowledge of the field of study unique to gerontology. Possible settings for internships include long-term care facilities, voluntary health organizations, professional associations, senior centers, churches, pastoral counseling centers, social service agencies for the aged, and research centers.

Cross-listed with Biology 3392, Psychology 3392, Social Work 3392, and Sociology 3392.

4492 Senior Thesis (Capstone)

4 credits

A seminar required of all Religious Studies majors as part of their graduation requirements. Each student is required to write a major paper on a topic within the major. A member of the Department supervises the project.

Prerequisite: Permission of instructor.

2265; 3365; 4465 Special Topics In Religious Studies

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in Religious Studies

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Religious Studies

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

SCHOOL LIBRARY MEDIA

Associate Professor M. Kerby.

Areas of particular teaching interest:

Professor Kerby: school library media program, children's and young adult literature.

No major is offered in this field.

Library Science Course Descriptions (SLM)

3317 Children's Literature

4 credits

This course presents outstanding literature for children in grades kindergarten through sixth. Topics include authors and illustrators, fiction and nonfiction, principles of selection, and using literature in the classroom. Students read books, discuss them in class, identify strategies for encouraging students to read, and create an annotated bibliography of books appropriate for elementary school students.

Prerequisites: Education 1111 or Education 1141 or permission of instructor.

3318 Young Adult Literature

4 credits

This course presents outstanding literature for young adults in grades sixth through twelfth. Topics include authors, fiction and nonfiction, and using literature in the classroom. Students read books, discuss them in class, identify strategies for encouraging students to read, create an annotated bibliography of books appropriate for middle and high school students, and present book talks with teens.

SOCIAL WORK

Professor Rees; Associate Professor Orzolek-Kronner; Lecturer Corbin.

Areas of particular teaching interest:

Professor Rees: human relations in the workplace, family; Associate Professor Orzolek-Kronner: human behavior, eating disorders, women's issues, research on practice; Lecturer Corbin: child welfare and clinical practice, social welfare policy, grief and loss, social work ethics.

The primary mission of the Social Work Department is to prepare social work students for entry-level, culturally sensitive generalist

social work practice. The Department supports a basic understanding of various client systems including individuals, families, groups, organizations, and communities and the helping roles assumed by social work students in an effort to enhance quality of life within client systems. Students are provided with the knowledge, skills, and training needed to work effectively with at-risk populations with a particular emphasis on children, women, and the elderly.

The Social Work Department endeavors to have students understand and demonstrate social work values and ethics. The Department respects diversity of client populations and lifestyles. The development of an understanding of bio-psycho-socio-cultural components within the person/environment equation is encouraged throughout Social Work courses. The uniqueness of all students and the growth and development of their professional self are emphasized within the curriculum.

The foundation courses within the major provide an understanding of the theories and dynamics of human behavior, various client systems, practice skills, policy development and analysis, helping roles, and research methods. In their senior year, students are placed in a human service organization agency under the supervision of a master's level social worker two days a week for a two-semester internship. By the completion of the social work major, students are capable of asserting leadership in the establishment, provision, and delivery of human services at the local, state, national, and international levels.

The Social Work Department is nationally accredited by the Council on Social Work Education. Graduates can move directly into social work positions, are eligible for state licensure at the baccalaureate level, and qualify for advanced standing at most graduate schools of Social Work.

Major requirements include the Social Work foundation courses and a variety of courses from other liberal arts departments. Students interested in this program should consult with a social work faculty member as early as possible in their academic planning to ensure proper sequencing of courses and eligibility for the field. If you are considering Social Work as a major, you must meet the following requirements:

- A. A minimum overall GPA of 3.00 for all college courses.
- B. Completion of SWK 2217 and SWK 2218 with a minimum grade of 3.00.
- C. Successful interview with a member of the social work faculty before participation in the senior year field placement experience.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Social Work.

Please see the Dual Major section for dual majors with Political Science.

Departmental Honors

Students are encouraged to request consideration for departmental honors at the beginning of the fall semester of their senior year. The basic academic criteria is a cumulative 3.20 GPA and a 3.50 in the major. General standards to complete the process along with past honors projects are presented and discussed during the initial three weeks of class in senior seminar. Students are required to request consideration by October 1st.

Student selection is made by faculty consensus. In addition to academic performance, other criteria include a consistent demonstration of emotional and interpersonal intelligence (i.e., effective interpersonal communication, coping and adapting ability, high ethical standards) along with a highly developed sense of social responsibility (i.e., social justice and advocacy). A maximum of two students are selected per academic year.

Once selected, students are assigned to work with a sponsoring Social Work faculty member. However, the project's objectives and methodology are decided by faculty consensus. Length, time, and type of project varies significantly dependent on student professional interest and ability. All projects, however, are required to reflect core social work theory and models that not only contribute to understanding people and society (assessment) but also those that support practical methods for working with them (intervention). In addition, all approved projects must include student activity that require the fundamental liberal arts skills of competence with information technology, writing, and public speaking.

BASIC MAJOR (44 HRS.)

Required:

- SWK 2202 The Family
 - SWK 2214 Human Behavior & the Social Environment
 - SWK 2217 Marginalized Cultures and Macro Intervention
 - SWK 2218 Social Welfare Policy
 - SWK 3322 Social Work Practice I
 - SWK 3325 Managing Systems in a Macro-Environment
 - SWK 3349 Methods of Social Work Research
 - SWK 4409 Social Work Practice II
 - SWK 4415 Field Instruction Seminar I (2 hrs.)
 - SWK 4416 Field Instruction Seminar II (2 hrs.)
 - SWK 4417 Capstone - Field Instruction in SWK I
 - SWK 4418 Capstone - Field Instruction in SWK II
- (Must take both Capstone semesters.)

Recommended:

- SOC 1104 Introduction to Sociology: A Global Perspective
 - SPA 1101 Elementary Spanish I
 - SPA 1102 Elementary Spanish II
 - PSY 1106 Introduction to Psychology
 - BIO 1118 Human Biology
 - STA 2215 Statistics for Social Science (required for advanced placement recommendation)
 - PSI 1101 Introduction to Political Science
- One course from:
- IDS 1107 Women in Western Culture I
 - IDS 1108 Women in Western Culture II
 - HIS 2222 Gender & Society in America, Past & Present
 - SOC 3335 Women, Men, & Society
 - SWK/SOC 3355 Aging & Gender
 - REL 2204 Women and Religion

One course from:

- CCS/SOC 1108 Cultural Anthropology
- PSI/CCS 3310 Politics of Developing Areas
- CCS 1120 Japan: Land of Contrast
- CCS 2242 Art and Culture of Islam
- ENG 2258 African-American Literature
- REL/CCS 2254 Religions of Africa & the Indigenous Americans
- MUS 1152 Diversity and Meaning in Popular Music
- PHI 1102 Critical Thinking

PHI 1105 Contemporary Issues in Ethics
 REL/SOC 3328 Liberations Movement and
 Human Freedom
 REL 2215 Prejudice and Power: Minorities
 in America
 SWK/SOC 2225 Aging: The Individual &
 Society
 SWK/THE 2274 Drama Therapy

Recommended Course of Study:

Semester I

SOC 1103
 SPA 1101
 First Year Seminar

Semester II

PSY 1106
 BIO 1118
 SPA 1102
 General Education

Semester III

SWK 2217
 SWK 2214
 General Education

Semester IV

SWK 2202
 SWK 2218
 General Education

Semester V

SWK 3349
 SWK 3325
 Course related to diversity or critical thinking
 Women's Studies course

Semester VI

SWK 3322
 STA 2215
 CCS course
 General Education

Semester VII

SWK 4409
 SWK 4417
 SWK 4415
 General Education

Semester VIII

SWK 4418
 SWK 4416
 General Education

Contact: Dr. Rees, Social Work

*Five-year B.A. (Psychology or Social Work) and
 M.S. in Counseling Program.*

Through this program, students can obtain a B.A. in psychology or social work by the end of the fourth year, and a M.S. in mental health counseling by the end of the fifth year. Students may apply at the end of the sophomore year or beginning of the junior year. They will be required to complete all of the requirements for the B.A., as well as three graduate courses by the end of the fourth year. By taking courses during the summer after getting their B.A. and during year five, they will be able to receive their M.S. in Counseling at the end of the second semester of their fifth year. Interested students are required to contact Dr. Mazeroff (psychology), Dr. Orza (graduate studies) and Dr. Rees (social work).

Social Work Course Descriptions (SWK)

1122 (FR) Concepts and Systems of Social Welfare

4 credits

An introductory course designed to explore social problems and society's response toward them. The course will examine the structure of human service delivery systems, and the impact of policy, politics, human behavior, and environmental conditions on these structures. An emphasis will be placed on the application of research and theories to these settings.

2202 The Family

4 credits

An interdisciplinary approach to the family and its functioning that incorporates a historical perspective as well as cultural, economic influences, communication, and folklore. Emphasis is placed on the biological, psychological and socio-cultural factors of family functioning within a micro, mezzo, and macro framework. A variety of theoretical constructs are explored that are useful in understanding family development and functioning. Cross-listed with Sociology 2202.

2214 Human Behavior and the Social Environment

4 credits

This course examines human behavior across the life span from the bio-psycho-socio-cultural and ecological perspectives. Functional and dysfunctional patterns of coping and adaptation are identified. Various theoretical perspectives are introduced and social issues such as domestic violence, substance abuse, and eating disorders are highlighted. Social, Cultural, and Historical Understanding. Cross-listed with Sociology 2214.

2217 Marginalized Cultures and Macro Intervention

4 credits

An overview of social welfare in America with an emphasis on its historical development and current institutional nature. Students will be introduced to social policies and programs and roles of the social worker within these systems. The student will learn to identify social problems within the social welfare system and to identify alternative solutions to these problems. Multicultural.

2218 Social Welfare Policy

4 credits

An exploration of social welfare policy development with an emphasis on the identification of variables that shape human service delivery systems. The course will focus on American and international social policy development. Students will learn several policy analysis models and examine a social policy on the local, state, or federal level. Students will become familiar with the NASE Code of Ethics and its application to generalist practice. *Prerequisite: Social Work 2217.*

2225 Aging: The Individual and Society

4 credits

An examination of the social processes encountered in adulthood and old age, using a bio-psycho-socio-cultural perspective. Included will be a discussion of theories and research, which explores the phenomenon of aging from an individual and societal perspective. Topics include productivity and social participation, cohort and intergenerational relationships,

networks and social support, environment, and economic status. Discussions will consider the effects of ageism on the individual, and policy considerations.

Prerequisite: Sociology 1104 or permission of the instructor.

Cross-listed with Sociology 2225.

2274 Drama Therapy

4 credits

This course is a group process emphasizing play, spontaneity, embodiment, relatedness and role flexibility. This course will use experiential ways of learning both the theory and processes of drama therapy. Drama therapy techniques can be used to work with groups in clinical, education, corporate and social service settings. The course is especially useful for (1) theatre arts students who are interested in applying their skills to "real world" situations, and (2) for social work, psychology, education, communication or business students who wish to learn embodied, spontaneous ways to approach group process and content.

Prerequisite: Theatre Arts 1117 or Social Work/Sociology 2214.

Creative Expression.

Cross-listed with Theatre Arts 2274.

3318 Social Work in Special Practice Fields

4 credits

An in-depth study of programs, policies, and practices in a specialized area of social service. Unique needs of the service population and appropriate intervention techniques are emphasized.

3322 Social Work Practice I

4 credits

An introduction to the conceptual framework for generalist practice with individuals, families, groups, organizations, and communities. Students are introduced to the common knowledge, values, techniques, and skills that serve as the foundation for social work practice. The ecosystems and strengths perspective are emphasized throughout the course.

Prerequisite: Social Work 2217.

3325 Managing Systems in a Macro Environment

4 credits

Within a person-environment framework, this course presents social and organizational theories, which allow for a critical analysis of communities, social institutions, and social organizations. Human relations issues as they pertain to the workplace are explored. Social inequalities and social injustices are examined while issues such as affirmative action, equal opportunity, and human diversity are understood more fully.

Cross-listed with Business Administration 3325 and Sociology 3325.

3349 Methods of Social Work Research

4 credits

This course provides an introduction to quantitative and qualitative research methodology within social work practice. Techniques of social research will be applied to the study of social work problems and programs. The evaluation of social work practice will be emphasized and ethical issues will be explored from a researcher's perspective and students will critically examine existing research studies.

Prerequisite: Social Work 2217.

3355 Aging and Gender

4 credits

A study of the impact of gender and society on human development in adulthood from mid-life through death. Students are introduced to theories of feminism and application is made to the adult development process. Topics include relationships in later life, social activism, retirement, multicultural and multigenerational issues, multiple losses, relocation, role changes, and policy issues.

Prerequisite: Sociology 1104 or permission of the instructor (for minors).

Cross-listed with Sociology 3355.

3392 Internship in Gerontology

2 credits

Supervised field experiences in appropriate settings designed to assist students in acquiring and using skills and knowledge of the field of study unique to gerontology. Possible settings for internships include long-term care facilities, voluntary health organizations, professional

associations, senior centers, churches, pastoral counseling centers, social service agencies for the aged, and research centers.

Cross-listed with Biology 3392, Psychology 3392, Religious Studies 3392, and Sociology 3392.

4409 Social Work Practice II

4 credits

An introduction to a variety of techniques and theoretical models used in social work interventions. The focus of this course is to expand the conceptual framework for generalist practice and to increase the skill level of social work practice with client systems of various sizes. Change strategies include individual intervention, crisis intervention, social work practice with families, group methods, and community interventions. Each unit will emphasize practice evaluation, social work ethics, gender, class, multiculturalism, and will introduce techniques for incorporating these elements within practice.

Prerequisites: Social Work 2214, 2217, 2218, 3322.

4415, 4416 Field Instruction Seminar I, II

2, 2 credits

A weekly seminar focusing on integration of social work concepts and theories with field instruction. Emphasis is on preparing students for generalist practice with a diversity of population groups and within systems of various sizes. Assignments are related to students' agency experiences. Practice evaluation, social work, ethics, and the development of the professional self are emphasized.

Prerequisite: Social Work 3322.

4417, 4418 Field Instruction in Social Work I, II

4, 4 credits

Supervised experience in the practice of generalist social work in a community social agency. Students assume direct service responsibility using a variety of social work methods and roles. Each student is assigned to a specific agency for the year. Sixteen hours of field instruction per week is required.

Prerequisites: Social Work 3322 and permission of the instructor.

2265; 3365; 4465 Special Topics in Social Work

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

2295; 3395; 4495 Internships in Social Work

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent Studies in Social Work

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

SOCIOLOGY

Associate Professors Dundes, Harlow, Lemke (Department Chair); Assistant Professors Raley, Semu.

Areas of particular teaching interest:

Professor Dundes: criminology, criminal justice, medical sociology; Professor Lemke: social theory, research methods, social stratification, gender roles; Professor Harlow: race and ethnicity, sociology of education, and society and the individual; Professor Semu: globalization/international development, family, social policy and urban sociology; Professor Raley: work and occupations, and research methods.

Sociology is the study of social life and the social structural causes and consequences of human behavior. Sociology takes a scientific, humanistic, and cross-cultural approach when investigating the structure of groups, organizations, and societies. It also analyzes the relationships that unite societies in the world system. Topics of interest include deviance, family patterns and relationships, social change, inter-group relations, race, gender, social class, work,

education and development.

Sociology is an available liberal arts major for students seeking careers in social research, community and social services, business and industry, government, the justice system, public administration, community and international development, education, and market research. The sociology major provides a good foundation for students wishing to pursue professional degrees in social work, education, public health, business administration and community planning, in addition to graduate degrees in sociology, law, medicine, and divinity school.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Sociology.

Please see the Dual Major section for dual majors with Communication, Foreign Language, and Psychology.

Departmental Honors

To receive departmental honors, students must:

- have at least a 3.50 GPA
- satisfy any departmental requirements
- be recommended by the Department
- see the Department Chair for more specific requirements.

BASIC MAJOR (44 HRS.)

Required:

SOC 1104 Introduction to Sociology: A Global Perspective

SOC 3319 The Development of Sociological Theory

SOC 3358 Research Methods in Sociology

SOC 4493 Critical Inquiry in Sociology (Capstone)

Two courses from the area Society and the Individual:

SOC 2201 Society and the Individual

SOC 2202 The Family

SOC 2205 Criminology

SOC 2214 Human Behavior and the Social Environment

SOC 2225 Aging: The Individual and Society

SOC 2410 Work and Occupations

SOC 3308 Adulthood and Aging

Two courses from the area Social Organization:
 SOC 2206 Practical Applications in Law Enforcement
 SOC 3303 Urban Sociology
 SOC 3315 Sociology of the Criminal Justice System
 SOC 3325 Managing Systems in a Macro Environment
 SOC 3348 Legal Forensics
 SOC 3360 Sociology of Education
 SOC 3430 Medical Sociology

Two courses from the area Social Inequality:
 SOC 2212 Wealth, Power, and Prestige in American Society
 SOC 2222 Global Social Change
 SOC 2427 Gender and Society
 SOC 3328 Social Inequality and Justice
 SOC 3355 Aging and Gender
 SOC 3429 Race and Ethnic Relations in the U.S.

Plus ONE additional course from any of the three areas above.

SPECIALIZATION IN CRIMINAL JUSTICE (66 HRS.)

Required:

Basic Sociology Major

(Any Sociology class can count for both the major and the specialization.)

SOC 2205 Criminology

SOC 3315 Criminal Justice

Internship or independent study in a related area (minimum: 2 credits)

SOC 2295, 2298, 3395, 3398, 4495, 4498.

Choose 3 from among the choices below:

SOC 2206 Practical Applications in Law Enforcement

SOC 2212 Wealth, Power, and Prestige in American Society

SOC 3303 Urban Sociology

SOC 3348 Legal Forensics

SOC 3429 Race and Ethnic Relations in the U.S.

GSC 1140 Introduction to Forensic Science

PSI 2202 State & Local Government

PSI 3308 American Constitutional Law

PSI 3319 American Civil Liberties (Offered in 2007-2008 and alternate years)

PSY 3201 Inside the Criminal's Mind

Contact: Dr. Dundes, Sociology

MINOR IN SOCIOLOGY (20 HRS.)

Required Courses:

SOC 1104 Introduction to Sociology: A Global Perspective

Four additional courses with at least one from each of the following areas:

Society and the Individual:

SOC 2201 Society and the Individual

SOC 2202 The Family

SOC 2205 Criminology

SOC 2214 Human Behavior and the Social Environment

SOC 2225 Aging: The Individual and Society

SOC 3308 Adulthood and Aging

SOC 2410 Work and Occupations

Social Organization:

SOC 2206 Practical Applications in Law Enforcement

SOC 3303 Urban Sociology

SOC 3315 Sociology of the Criminal Justice System

SOC 3325 Managing Systems in a Macro Environment

SOC 3348 Legal Forensics

SOC 3360 Sociology of Education

SOC 3430 Medical Sociology

Social Inequality:

SOC 2212 Wealth, Power, & Prestige in American Society

SOC 2222 Global Social Change

SOC 2427 Gender and Society

SOC 3328 Social Inequality and Justice

SOC 3355 Aging and Gender

SOC 3429 Race and Ethnic Relations in the U.S.

Contact: Dr. Lemke, Sociology

Sociology Course Descriptions (SOC)

1104 Introduction to Sociology: A Global Perspective

4 credits

This course offers an overview of the discipline of sociology from a global perspective, focusing particularly on cross-cultural examples of social, economic and political relationships. It explores how social forces impact the structure of society and its social institutions as well as cultural patterns, groups, personality, and human interactions.

International Nonwestern; Social, Cultural, and Historical Understanding.

2201 Society and the Individual

4 credits

This course examines the ways in which social life contributes to the development of individual behavior, ideology, and life chances in society. This encompasses issues regarding how individual thoughts and emotions influence social interaction, and how that interaction is shaped and constrained by social structure.

Prerequisite: Sociology 1104.

2202 The Family

4 credits

A study of the contemporary American family, its reaction to stress and its function in a rapidly changing society. The impact of ethnicity on families, family structure, and communication is emphasized. Students will review past and present novels, films, and television works to analyze and assess family roles and behavior. Students will participate in a family intervention project.

Prerequisite: Sociology 1104.

Cross-listed with Social Work 2202.

2205 Criminology

4 credits

A study of the theoretical aspects of criminal behavior and crime causation; the measurement of crime and crime statistics as well as techniques of crime prevention and societal reaction to crime.

Prerequisite: Sociology 1104.

Social, Cultural, and Historical Understanding.

2206 Practical Applications in Law Enforcement

4 credits

An overview of law enforcement components including a review of the English roots of America's system, the historical development of modern law enforcement and correctional organizations, an analysis of these criminal justice components from an organizational behavior perspective, and an analysis of current challenges facing them. While corrections and courts will be covered, the focus of the class will be on law enforcement agencies. Students will conduct an in-depth study of a law enforcement agency.

Prerequisite: Sociology 1104.

2212 Wealth, Power, and Prestige in American Society

4 credits

A survey of classical and contemporary theories and research on the development and consequences of class inequality in American society. Topics include status, social class, social mobility, class conflict, and income distribution.

Prerequisite: Sociology 1104.

Multicultural; Social, Cultural, and Historical Understanding.

2214 Human Behavior and the Social Environment

4 credits

An examination of human behavior throughout the life cycle. The course emphasizes the bio-psycho-socio-cultural perspective in its exploration of functional and dysfunctional patterns of coping and adaptation. Various theoretical perspectives are introduced to explain human development.

Prerequisite: Sociology 1104.

Cross-listed with Social Work 2214.

2222 Global Social Change

4 credits

This course explores the nature of contemporary social change by examining the meanings of globalization, its central processes and institutional structures. It emphasizes the socio-economic, political and cultural implications of globalization. It pays particular attention to: the continuing struggle for development in poor countries; the relationship between globalization, inequality and poverty; the fate of cultural diversity in a globalizing world; and issues of gender, ethnicity, the environment, social justice, and human rights. The course evaluates the role of corporations and international financial institutions, global trade agreements, socio-economic structures and political institutions of some Third World countries and their relationships to metropolitan and industrialized power centres.

Prerequisite: Sociology 1104.

International Western; Social, Cultural, and Historical Understanding.

2225 Aging: The Individual and Society

4 credits

An examination of the social processes encountered in adulthood and old age, using a bio-psycho-socio-cultural perspective. Included will be a discussion of theories and research, which explores the phenomenon of aging from an individual and societal perspective. Topics include productivity and social participation, cohort and intergenerational relationships, networks and social support, environment, and economic status. Discussions will consider the effects of ageism on the individual, and policy considerations.

Prerequisites: Sociology 1104, or permission of the instructor.

Cross-listed with Social Work 2225.

2410 Work and Occupations

4 credits

A look into the sociological study of work and occupations, especially the analysis of industries, occupations, labor markets, and technical/social relations of production. Students will examine work patterns, divisions of labor, labor disputes, and the effects of technological innovation on the nature of work, and also deal with demographic variations in work populations and settings. Much attention is paid to how sociologists themselves do their work on a daily basis.

Prerequisites: Sociology 1104.

2427 Gender and Society

4 credits

An exploration of the social causes of gender differences. The course focuses on the impact of society on gender roles and the impact of gender roles on daily life.

Prerequisites: Sociology 1103 or 1104 and four additional prior credits in Sociology at the 2000+ level.

Multicultural; Social, Cultural, Historical and Understanding.

3303 Urban Sociology

4 credits

This course studies the ecology of social processes, organization and problems of the urban community. Hence it undertakes an overview of the evolution of cities in the US and recent and contemporary local and global

patterns of urbanization. Evaluates social, economic and political forces that shape cities by examining social issues in the urban setting; immigration, ethnic, cultural and class diversity; cross-cultural and international comparisons; population and environmental concerns. Also studies social planning by examining major concerns of urban residents and the role of local, state and federal governments in addressing these concerns.

Prerequisite: Sociology 1104.

International Western; Social, Cultural, and Historical Understanding.

3308 Adulthood and Aging

4 credits

Psychological and personality changes from young adulthood through old age; adult socialization and the age status system; changing concomitants of family relationships, employment, leisure, and retirement; health issues, psychopathology, and death.

Prerequisite: Psychology 1106.

Cross-listed with Psychology 3308.

Offered in 2006- 2007 and alternate years.

3315 Sociology of the Criminal Justice System

4 credits

A study of the functions of police, courts, and corrections as institutions of social control in American society. The most effective methods of organization and analysis of these components of the system are emphasized. Students will participate in field trips.

Prerequisite: Sociology 1104.

3319 The Development of Sociological Theory

4 credits

The study of the major sociological theorists of 18th, 19th, and 20th centuries with special emphasis on Comte, Durkheim, Marx, Weber, and Mead. Emphasis is on the foundation of sociological theory and on using theoretical concepts to understand society. The course is designed to teach critical thinking and problem solving and to prepare students for the 4000-level courses.

Prerequisites: Sociology 1104 and one additional Sociology course, 2000 level or above.

3325 Managing Systems in a Macro Environment

4 credits

The integration of concepts from human service organizations, culture, groups, and thinking styles with contemporary human relations issues in the American workplace. Ethnicity, changing societal norms, gender, and employee assistance programs are emphasized. Students work in small groups and do analytical study with private and public work organizations. Students will be involved in field experiences with community organizations.

Prerequisite: Sociology 1104.

Cross-listed with Business Administration 3325 and Social Work 3325.

3328 Social Inequality and Justice

4 credits

An ethical analysis of the social structures of race, religion, gender, and class in the United States and how they contribute to social inequalities. Special attention given to the dynamics of social privilege and to various conceptions of a just society.

Prerequisite: Sociology 1104, or 4 hours in Philosophy or Religious Studies.

3348 Legal Forensics

4 credits

Students will explore issues raised in court proceedings related to forensic testimony. Topics include insanity and competency determinations, civil commitments, probate and guardianship hearings, as well as questions surrounding juvenile and criminal cases.

Prerequisites: Sociology 1104, and Sociology 2205 or 3315.

3355 Aging and Gender

4 credits

A study of the impact of gender and society on human development in adulthood from mid-life through death. Students are introduced to theories of feminism, and application is made to the adult development process. Topics include relationships in later life, social activism, retirement, multicultural and multigenerational issues, multiple losses, relocation, role changes, and policy issues.

Prerequisite: Sociology 1104, or permission of instructor.

Cross-listed with Social Work 3355.

3358 Research Methods in Sociology

4 credits

This course is an introduction to how sociologists generate knowledge. Students will be introduced to the most common methods of sociological research including survey, experimental, field, and content analytical methods. Philosophical, theoretical, and ethical issues that support sociological practice, as well as the more technical aspects of the research craft including measurement and sampling will be considered. Students will be provided with ample opportunities to engage in hands-on activities designed to acquaint them with the challenges of carrying out social science research. This course also serves to prepare students for both the Senior Seminar and the Department's quantitative data analysis course.

Prerequisites: Two Sociology classes, 2000 level or above

3360 Sociology of Education

4 credits

This course will examine, from a sociological perspective, the relationship between the educational system and society. We will analyze the dynamics occurring within schools and classrooms as well as the broader external influences that impact the educational institution in the context of an entire social system.

Prerequisite: Sociology 1104, or permission of instructor.

3392 Internship in Gerontology

2 credits

Supervised field experiences in appropriate settings designed to assist students in acquiring and using skills and knowledge of the field of study unique to gerontology. Possible settings for internships include long-term-care facilities, voluntary health organizations, professional associations, senior centers, churches, pastoral counseling centers, social service agencies for the aged, and research centers.

Cross-listed with Biology 3392, Psychology 3392, Religious Studies 3392, and Social Work 3392.

3429 Race and Ethnic Relations in the U.S.

4 credits

A comparative approach to race and ethnic relations in the United States. The course compares and contrasts the experiences of multiple racial and ethnic groups. Special attention is paid to issues of privilege and power and the underlying historical and contemporary symbolic and structural factors affecting both intra- and inter-group interactions.

Prerequisite: Sociology 1104.

Multicultural.

3430 Medical Sociology

4 credits

An exploration of the interdependent relationship between culture and health by studying ethical and political aspects of health, illness, and health care. Students examine the social meaning underlying how medical conditions are categorized, interpreted, and treated.

Prerequisite: Sociology 1104.

Social, Cultural, and Historical Understanding

4493 Critical Inquiry in Sociology (Capstone)

4 credits

This Capstone experience requires students to participate in a learning community that will critically analyze a social problem. Students will employ the theoretical and methodological skills obtained through their experience as Sociology majors to synthesize the applied aspects of social issues and relate these to the key topical areas of sociology. Students will use their written and oral presentation skills to demonstrate proficiency in this course

Prerequisites: Sociology 3319 and 3358.

2265; 3365; 4465 Special Topics in Sociology

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and needs.

Prerequisite: Sociology 1104 or permission of the instructor.

2295; 3395; 4495 Internships in Sociology

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

Prerequisites: Sociology 1104 and permission of the instructor.

2298; 3398; 4498 Independent Studies in Sociology

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors. Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

Prerequisite: Sociology 1104.

STATISTICS

Professors Claycombe, J. Olsh (Department Chair), and Seidel; Associate Professor McIntyre.

Areas of particular teaching interest:

Professor Claycombe: industrial organization, managerial economics; Professor Olsh: economic development, history of economic thought; Professor Seidel: money and financial market; Professor McIntyre: macroeconomics, international economics.

No major is offered in this field.

Statistics Course Descriptions (STA)

2215 Elementary Statistics for Social Science

4 credits

Basic statistical principles and techniques; summarizing and presenting data, measuring central tendency and dispersion in data, basic concepts of probability and probability distributions, estimation of parameters and testing of hypotheses through statistical inference, linear regression and simple correlation.

Prerequisites: Mathematics 1001, Mathematics 1002 or placement above MAT 1002.

Quantitative Reasoning

Not open to students who have completed Mathematics 3324.

2216 Statistical Methods

4 credits

Development of underlying assumptions, limitations, and practical applications of modern statistical analysis. Emphasis is on multivariate regression and analysis of variance and related computer techniques. Techniques of experimental design and statistical inference in various contexts are developed. Time series and forecasting topics are included.

Prerequisite: Statistics 2215 or Mathematics 3324.

Quantitative Reasoning

THEATRE ARTS

Professor Domser; Associate Professors R. Miller (Department Chair) and van den Berg.

Areas of particular teaching interest: Professor Domser: design and technical production, theatre management; Professor Miller: interactive theatre, community-based and therapeutic theatre, playback theatre, acting, performance theory; Professor van den Berg: acting, directing, voice and movement.

The theatre arts program offers intensive study in three areas: 1) acting, 2) interactive theatre, and 3) production. Students choose primary and secondary areas of study, in addition to courses in theatre history and dramatic literature. Students may also focus within interdisciplinary majors in the following areas: interpersonal communication and interactive theatre (THE/COM); theatre, film and video production (THE/COM); dramaturgy, theatre history and literature (THE/ENG); and musical theatre (THE/MUS). In addition, three minors are offered: in theatre arts, acting and interactive theatre.

The department offers an active season of performances, including: scripted performances directed by faculty and visiting artists from the Washington/Baltimore professional theatre; curricular performances for students focusing in acting; and community-based and playback theatre performances. Typically, a season will include four or five productions, including plays directed by faculty and visiting artists, student-directed plays or scenes, and a community-based performance.

Visiting professionals from the Baltimore/Washington area support the permanent faculty with specialized courses in performance and design.

The major in theatre arts prepares students for careers in the professional theatre, for graduate studies in theatre and applied theatre, and for a variety of other vocations which demand the interpersonal, creative, and interpretive skills developed by theatre majors.

Other Educational Options in Theatre Arts:

Dual majors with Communication (Interpersonal Communication and Interactive Theatre; Theatre, Film and Video Production), English, and Music (Musical Theatre); minors in Theatre Arts, Acting and Interactive Theatre.

Please see the Education section under Curriculum in this catalog for teacher certification requirements in Theatre Arts.

Please see the Dual Majors section for dual majors with Communication, English, and Music.

Majors are encouraged to begin their studies with the three core courses in Acting, Group Process in Interactive Theatre and Stagecraft. Subsequently, they will choose an intermediate course in two of these areas, and then pursue advanced work in one focus area, culminating in a relevant laboratory course, a senior laboratory course, and a capstone course (either Directing or Drama Workshop). In addition, they will take two intermediate courses in 'texts and traditions' and, in their junior year, complete the major requirement in writing.

Majors in Theatre Arts may reasonably expect to satisfy, in part or in whole, the College requirements in Creative Expression; Textual Analysis; and Social, Cultural and Historical Understanding. With careful selection of courses, they may also satisfy, in part or in whole, the requirements in International and Multicultural studies.

Departmental Honors

Students eligible for departmental honors may apply no later than one month before their date of graduation. An eligible student must have achieved a 3.5 grade-point average in all courses taken in the department, and in any other

courses taken to meet a major requirement. Dual majors count only courses taken in Theatre Arts. The application will provide a description of the student's work in the appropriate Senior Laboratory (Acting, Interactive Theatre, Production, Directing or Dramaturgy), with supporting materials and artifacts documenting the process and results of the project). If the faculty of Theatre Arts agrees that the work described represents exemplary work, and if the 3.5 grade-point average is maintained, honors in the department will be awarded upon graduation.

BASIC MAJOR (46 HRS.)

Required core courses:

THE 1111 Stagecraft

THE 1113 Acting (or the parallel First Year Seminar)

THE 1117 Group Process in Interactive Theatre (or the parallel First Year Seminar) (12 credits)

Two courses from Texts and Traditions:

THE/MUS 2216 History of Musical Theatre

THE 2225 Classical, Medieval and Renaissance Theatre

THE 2226 Romantic, Realistic and Modern Theatre

THE 2227 The Contemporary Theatre

THE/CCS 2230 Performance and Culture

THE/ENG 3350 Shakespeare

(8 credits)

Two 2000-level courses from different focus areas:

Acting

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor

Production

THE 2244 Theatre Management

THE 2247 Theatre Technology

Interactive Theatre

THE/CCS 2272 Play, Ceremony and Performance

THE/SWK 2274 Drama Therapy

(8 credits)

Two 3000-level courses from any one focus area:

Acting

THE 3332 Scene Study

THE 3333 Classic Acting Styles

THE 3335 Modern Acting Styles

THE/CCS 3337 Asian Approaches to Acting

THE/MUS 3353 Musical Theatre Scene

Study

THE 3365 Special Topics in Acting

Production

THE 3354 Set Design

THE 3356 Light Design

THE 3358 Costume and Makeup Design

THE 3366 Special Topics in Production

Interactive Theatre

THE/EDU 3001 Teaching Theatre to Young People

THE 3373 Theatre and Community

THE 3375 Playback Theatre

THE 3364 Special Topics in Interactive Theatre

(8 credits)

Two laboratory courses from different areas:

(The same laboratory course may be repeated for credit, but will not meet a major requirement the second time.)

THE 3321 Performance Laboratory

THE 3322 Management Laboratory or

THE 3323 Production Laboratory

THE 3324 Interactive Theatre Laboratory

(4 credits)

One culminating course and one senior lab course:

Culminating courses:

THE 4450 Directing

THE 4460 Drama Workshop

(4 credits)

Senior labs:

THE 4490 Senior Performance Laboratory

THE 4492 Senior Production Laboratory

THE 4493 Senior Interactive Theatre Laboratory

THE 4494 Senior Directing Laboratory

(2 credits)

Contact for focus area in Acting: Associate Professor van den Berg

Contact for focus area in Interactive Theatre: Associate Professor Miller

Contact for focus area in Production: Professor Domser

MINOR IN THEATRE ARTS (24 HRS.)

Required core courses:

THE 1111 Stagecraft

THE 1113 Acting (or the parallel First Year Seminar)

THE 1117 Group Process in Interactive Theatre (or the parallel First Year Seminar) (12 credits)

One course from Texts and Traditions:

THE/MUS 2216 History of Musical Theatre

THE 2225 Classical, Medieval and Renaissance Theatre

THE 2226 Romantic, Realistic and Modern Theatre

THE 2227 Contemporary Theatre

THE/CCS 2230 Performance and Culture

THE/ENG 3350 Shakespeare

(4 credits)

Two 2000-level courses from different focus areas:

Acting

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor

Production

THE 2252 Theatre Technology

THE 2254 Theatre Management

Interactive Theatre

THE/CCS 2272 Play, Ceremony and Performance

THE/SWK 2274 Drama Therapy

(8 credits)

Contact: Associate Professor Miller

MINOR IN ACTING (30 HRS.)

Required core courses:

THE 1113 Acting (or the parallel First Year Seminar)

THE 1117 Group Process in Interactive Theatre (or the parallel First Year Seminar) (8 credits)

One course from Production:

THE 1111 Stagecraft

THE 3358 Costume and Makeup Design (4 credits)

One course from Texts and Traditions:

THE/MUS 2216 History of Musical Theatre

THE 2225 Classical, Medieval and Renaissance Theatre

THE 2226 Romantic, Realistic and Modern Theatre

THE 2227 Contemporary Theatre

THE/CCS 2230 Performance and Culture

THE/ENG 3350 Shakespeare

(4 credits)

Two intermediate acting courses:

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor

(8 credits)

One advanced acting course:

THE 3332 Scene Study

THE 3333 Classic Acting Styles

THE 3335 Modern Acting Styles

THE/CCS 3337 Asian Approaches to Acting

THE/MUS 3353 Musical Theatre Scene Study

THE 3365 Special Topics in Acting

(4 credits)

One laboratory course:

THE 3321 Performance Laboratory

(2 credits)

Contact: Associate Professor van den Berg

MINOR IN INTERACTIVE THEATRE

Required courses:

THE 1113 Acting

THE 1117 Group Process in Interactive Theatre

THE 2272 Play, Ceremony and Performance

THE/SWK 2274 Drama Therapy

THE 3324 Interactive Theatre Laboratory

One course from:

THE 2227 Contemporary Theatre

THE/CCS 2230 Performance and Culture

THE 3335 Modern Acting Styles

One course from:

THE 3001 Teaching Theatre to Young People

THE 3373 Theatre and Community

THE 3375 Playback Theatre

THE 3364 Special Topics in Interactive Theatre

Two courses, with advisement, in an area of application, from among the following programs :

Communication

Education

Exercise Science and Physical Education

Political Science and International Studies

Psychology
Philosophy
Religious Studies
Sociology
Social Work

Contact: Associate Professor Miller

Theatre Arts Course Descriptions (THE)

1101 Musical Theatre Dance Styles

2 credits

Students will receive instruction in the skills required for various kinds of musical theatre dance such as tap, jazz, modern and ballet. Exercise and Physical Education

1111 Stagecraft

4 credits

An introduction to the theory and practice of stagecraft in the live theatre. This course concentrates on the machines, materials and methods used by the theatre technician to accomplish the set and prop designs of a play. This course will concentrate on stage carpentry, prop construction, scene painting, and stage management. The course is a combination of lecture and shop work and requires backstage participation.

1113 Acting

4 credits

An introduction to acting combining practical exercises with study of contemporary texts on acting. Emphasis is placed on scene analysis and scene work, as well as written exercises in performance analysis and acting theory. Creative Expression, Textual Analysis.

1117 Group Process in Interactive Theatre

4 credits

An investigation of group dynamics within the theatrical process. Using techniques drawn from dramatic play, sociodrama, image theatre and mythodrama, students will experience working independently, in small groups and in the large group. Creative Expression.

1119 Theatre Appreciation

4 credits

An introduction to the analysis and appreciation of theatre. The student receives an overview of dramatic theory and practice by reading and

attending plays, studying critical evaluations of professionals, and participating in classroom discussions.

2216 History of Musical Theatre

4 credits

A survey of musical theatre from its beginning to the present, studied in relation to its historical, literary, and cultural background. Included is study of such musical theatre forms as opera, operetta, ballad opera, and musicals. Cross-listed with Music 2216. Offered in alternate years.

2225 Classical, Medieval and Renaissance Theatre

4 credits

A survey of major developments in Western theatre history and literature from the Golden Age of Greece to the Restoration. Included are theatre and drama of Ancient Greece and Rome, Medieval Europe, Italy, England, and Spain during the Renaissance, the French classical period, and the English Restoration. Social, Cultural and Historical; Textual Analysis.

2226 Romantic, Realistic and Modern Theatre

4 credits

A survey of major developments in Western theatre history and literature from the Restoration to modern drama. The course treats the emergence of the major modern styles of romanticism, realism, expressionism, epic theatre, and theatre of the absurd. Social, Cultural and Historical; Textual Analysis.

2227 The Contemporary Theatre

4 credits

Studies in dramatic literature, theatre practice, and performance theory since 1960. Textual Analysis Offered in alternate years. Textual Analysis.

2230 Performance and Culture

4 credits

An examination of performance, performance history, and performance theory of non-Western cultures, which may include those of Asia, Africa, Native America, the Middle East,

and South America. Intercultural performance will also be considered with an eye toward the global community.

International Nonwestern.

Cross-listed with Cross Cultural Studies 2230.

Offered in alternate years.

2232 Creating a Character

4 credits

Building on skills from Acting, this course uses Stanislavski-based techniques to create a realistic character. Further exploration of voice and movement work is used to develop the emerging actor's instrument. Scenes from both contemporary and classical plays will be used to study text in the development of character.

Offered every other year.

Prerequisite: Theatre Arts 1113.

2234 Voice and Movement for the Actor

4 credits

An introduction and exploration of the range of techniques used in developing the potential of the actor's instruments: his own voice and body. Exercises will emphasize physical and vocal articulation, posture, proper breathing, and disciplines of movement helpful to the actor. These exercises will be applied through work on texts and other forms of performance.

Prerequisite: Theatre Arts 1113.

Offered every other year.

2237 Acting for the Camera

4 credits

Acting in front of a camera is a precise craft. Actors and directors must understand the specific technical demands of the media in which they are working (film, video, internet) in order maximize their own creative freedom. Students learn how the mechanics of production affect their work in front of the camera, and then apply this knowledge in shaping their own performances.

Offered every other year.

Prerequisite: Theatre Arts 1113

2244 Theatre Management

4 credits

An investigation of current theatre management practices, concentrating on production, promotion, and operation of an active theatre season. The student will become familiar with

the function of box office manager, press agent, producer, theatre manager, and promoter through class projects directly related to the season of the Theatre Arts Department and Theatre on the Hill.

Offered every third year.

2252 Theatre Technology

4 credits

A study of the technical knowledge and skills necessary for the creation and operation of theatrical light and sound designs. This course concentrates on roles of the stage electrician, sound technician and theatrical rigger. The course is a combination of lecture and shop work and requires backstage participation.

2272 Play, Ceremony & Performance

4 credits

An exploration of performance in the context of paratheatrical practices such as dramatic play, ceremony, and ritual. This laboratory course blends theoretical readings and research with exercises, improvisations, and process work. International Nonwestern; Multicultural; Social, Cultural and Historical.

Prerequisite: Theatre Arts 1117.

Cross-listed with CCS 2272.

Offered every other year.

2274 Drama Therapy

4 credits

Drama Therapy is a group process emphasizing play, spontaneity, embodiment, relatedness and role flexibility. This course will use experiential ways of learning both the theory and processes of drama therapy. Drama therapy techniques can be used to work with groups in clinical, educational, corporate and social service settings. The course is especially useful for (1) theatre arts students who are interested in applying their skills to "real world" situations, and (2) for social work, psychology, education, communication or business students who wish to learn embodied, spontaneous ways to approach group process and conflict. Creative Expression.

Cross-listed with Social Work 2274.

Prerequisite: Theatre Arts 1117 or Social Work 2214.

Offered every other year.

3001 Teaching Theatre to Young People

4 credits

Study of specific methods for the teaching of Theatre Arts to young people, including classroom management techniques involving theatre games, and ways to develop performances based on curriculum material. Students will learn exercises and games designed to teach young people the skills for performing live theatre. Topics include instructional objectives, teaching strategies, parent/teacher communication, and evaluation techniques.

Cross listed with Education 3001.

Prerequisite: Theatre Arts 1117.

Offered every third year.

3321 Performance Laboratory

2 credits

A practicum in acting associated with a production from the Department's theatre season, which provides the student with acting challenges at an advanced level.

Prerequisites: Theatre Arts 2232 or 2234 and permission of the instructor.

This course may be repeated for credit.

3322 Management Laboratory

2 credits

A practicum in stage management, box office management, or theatre management associated with a production from the Department's theatre season, which provides the student with management challenges at an advanced level.

Prerequisite: Theatre Arts 2244 or permission of the instructor.

This course may be repeated for credit.

3323 Production Laboratory

2 credits

A practicum in design or technical theatre associated with a production from the Department's theatre season, which provides the student with design challenges at an advanced level.

Prerequisites: Theatre Arts 1111 or 2252 and permission of the instructor.

This course may be repeated for credit.

3324 Interactive Theatre Laboratory

2 credits

A practicum in interactive theatre associated with a departmental or community-based

performance, or with a series of workshop sessions designed and implemented by students.

Prerequisite: A 2000- or 3000-level course in interactive theatre.

This course may be repeated for credit.

3325 Dramaturgy Laboratory

2 credits

A practicum in dramaturgy associated with a production from the Department's theatre season, which provides the student with dramaturgical challenges at an advanced level.

Prerequisites: Two courses from Texts and Traditions and permission of the instructor.

This course may be repeated for credit.

3326 Playwriting

4 credits

The principles of playwriting through the analysis of scripts written for the stage. The techniques and demands of playwriting are developed through the construction and composition of original scripts and adaptations. Offered every third year.

3333 Classic Acting Styles

4 credits

A laboratory course exploring the approaches to acting required by classic theatrical texts in four major styles: Greek tragedy, Shakespeare, comedy of manners, and farce. Work on monologues and scenes; exercises in voice, movement, and imagination; text analysis and research.

Prerequisite: Theatre Arts 2232 or 2234.

Offered every third year.

3335 Modern Acting Styles

4 credits

A laboratory course exploring modern acting styles: Epic theatre, Theatre of the Absurd, and Environmental theatre. Work on monologues and scenes; exercises in voice, movement, and imagination; text analysis and research.

Prerequisite: Theatre Arts 2232 or 2234.

Offered every third year.

3337 Asian Approaches to Acting

4 credits

An approach to acting using Asian forms. These are intended to instill in the developing actor a sense of stillness, presence and containment. Students in the course will explore a formalist

(outside-in) approach to acting, through practice of Tai chi, yoga, kalaripayatt and butoh.

Prerequisite: Theatre Arts 2232 or 2234.

Cross-listed as Cross-Cultural Studies 3337.

Creative Expression; International Nonwestern.

3339 Scene Study

4 credits

An intensive course for those with some introductory coursework or experience. The technique used is based on the Stanislavsky system and emphasizes organic acting, emotional truth, genuine talking, and authentic behavior. Scenes and monologues from contemporary plays will be studied, rehearsed, and performed. Creative Expression, Textual Analysis.

Prerequisite: Theatre Arts 2232 or 2234.

Offered every third year.

3340 Playwriting Laboratory

2 credits

A practicum in playwriting which provides the student with playwriting challenges at an advanced level.

Prerequisites: Theatre Arts 3326 and permission of the instructor.

This course may be repeated for credit.

3350 Shakespeare

4 credits

A study of Shakespeare's major works from the poetry through the major tragedies. Textual Analysis.

Cross-listed with English 3350.

3353 Musical Theatre Scene Study

4 credits

This course is designed for advanced acting and music students interested in developing musical theatre skills. Using contemporary American and British musical theatre texts, students will be taught to apply acting, singing, and movement techniques to bring characters to life on stage. Professors from both the Music and Theatre Arts Departments will collaborate to develop the student's craft.

Prerequisites: Theatre Arts 1113, Music 1104, and by audition during first week of class.

Cross-listed with Music 3353.

3354 Set Design

4 credits

An in-depth study of the function and creation of scenic designs for the theatre. Practical experience is provided through both hypothetical and realized design assignments.

Creative Expression.

Prerequisite: Theatre Arts 1111 or Theatre Arts 2252.

Offered every third year.

3356 Lighting Design

4 credits

An in-depth study of the function and creation of lighting designs for the theatre. Practical experience is provided through both hypothetical and realized design assignments.

Creative Expression.

Prerequisite: Theatre Arts 1111 or Theatre Arts 2252.

Offered every third year.

3358 Costume and Makeup Design

4 credits

A study in costume design theories and techniques for modern and period plays in a wide variety of styles. Students will be introduced to the history of Western dress and will be expected to research period costume. A laboratory session each week will explore the principles of makeup design and application. Creative Expression.

Offered every third year.

3373 Theatre and Community

4 credits

Theatre and Community is an experiential and process-oriented course exploring the ways in which theatre artists and community organizers can use theatre creatively to work with communities and bring forth their stories, examine sources of conflict and tension, and create group solidarity and commitment to change. Two approaches will be explored: (1) community-based theatre and (2) theatre of the oppressed.

Prerequisite: Theatre Arts 1117.

Offered every third year.

3375 Playback Theatre

4 credits

A spontaneous, improvised and community-based form of theatre. Performances consist of non-scripted improvisations based on stories told by audience members. The purpose of playback theatre is to develop a sense of community based on the sharing of stories, embodied by actors in a public setting. Students will learn how to approach playback performance from four vantage points: as actors, conductors, audience members and either musicians or lighting operators.

Prerequisite: Theatre Arts 1117.

Offered every third year.

4450 Directing

4 credits

A capstone course designed for theatre majors and dual majors interested in directing, stage management, acting, design or management. Minors may also register for the course as an elective. This course allows the student to apply principles of staging the play to projects designed to provide experience in approaching the particular problems of the director. The course culminates in a public performance of a short (ten minute) play, chosen in collaboration with the instructor, and is a prerequisite for those interested in the senior directing lab. Offered every other year.

Prerequisites: Senior theatre arts major, dual major, acting minor, or permission of the instructor, and a 3000-level course in acting or production.

4460 Drama Workshop

4 credits

A capstone course for majors and dual majors in Theatre Arts. It is a theme-based course combining performance theory and interactive theatre practice. The emphasis is on non-scripted theatre, such as experimental theatre, community-based theatre, theatre of the oppressed, drama therapy, dramatic play and dramatic ritual. It is best suited for graduating seniors focusing on interactive theatre or acting.

Prerequisite: Senior theatre arts major, dual major, acting minor, interactive theatre minor, or permission of instructor, and a 3000-level course in interactive theatre or acting.

Offered every other year.

4490 Senior Performance Laboratory

2 credits

A final performance associated with a production from the department's theatre season, which provides the student with acting challenges at an advanced level.

Prerequisites: A 3000-level course in acting and senior standing.

4492 Senior Production Laboratory

2 credits

A final design or project in technical theatre associated with a production from the department's theatre season which provides the student with design or technical challenges at an advanced level.

Prerequisites: A 3000-level course in production and senior standing.

4493 Senior Interactive Theatre Laboratory

2 credits

A final project in interactive theatre associated with a departmental or community-based performance, or with a series of workshop sessions designed and implemented by students.

Prerequisites: A 3000-level course in interactive theatre and senior standing.

4494 Senior Directing Laboratory

2 credits

A final design or project in play directing associated with a production from the department's theatre season, which provides the student with acting challenges at an advanced level.

Prerequisites: Theatre Arts 4450 and senior standing.

2264; 3364; 4464 Special Topics in Interactive Theatre

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and the needs of the program.

2265; 3365; 4465 Special Topics in Acting

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and the needs of the program.

2266; 3366; 4466 Special Topics in Production

4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering, based on students' interests and the needs of the program.

2295; 3395; 4495 Internships in Theatre Arts

0-4 credits

Supervised field experiences in appropriate settings, usually off-campus, designed to assist students in acquiring and using skills and knowledge of the discipline unique to the selected topic.

2298; 3398; 4498 Independent and Directed Studies in Theatre Arts

0-4 credits

Individualized studies in theatre arts, designed by students and supervised by a professor.

WOMEN'S STUDIES

No major is offered in this field. A minor in Women's Studies is available through Interdisciplinary Studies.

WOMEN'S STUDIES MINOR (20 HRS.)

IDS 1107 Women in Western Culture I

IDS 1108 Women in Western Culture II

Three courses from:

COM 3351 Gender & Communication

ENG 2251 Literature by Women

GSC 2206 Women in Science: From
Antiquity into the Next Millennium

HIS 1191 Gender & Society in Ancient
Greece

HIS 2208 Roman Women

HIS 2222 Gender & Society in America,
Past & Present

HIS 3331 Gender and the Family in China

IDS 2211 Feminism and Women's Lives in
the 21st Century

IDS/PSY 2212: Psychology of Gender
(Prerequisite: Psychology 1106.)

IDS 2231 Women in German Literature and
Society

Independent Studies in Women's Studies
(IDS 2299-4499)

PSI 3313 Politics of Global Feminisms

REL 2204 Women & Religion

REL/SOC 3328 Social Inequality and Justice

SOC/SWK 2202 The Family

SOC 2427 Gender and Society

SOC/SWK 3355 Aging and Gender

Other courses or internships appropriate to
the minor, as approved by the program
coordinator

Contact: Dr. D. Evergates, History

DUALS

ART - COMMUNICATION (60 HRS.)

ART 1101 Perceptual Drawing

ART 1117 Design

ART 2206 Computer Graphics

ART 2215 Photography

ART 2216 Graphic Design I

ART 3306 Printmaking

AHY 2240 Twentieth-Century Art

COM 1102 Interpersonal Communication

COM 1103 Mass Communication

COM 2203 Quantitative Research Methods

COM 2204 Quantitative Research Methods

Three additional four-credit courses in

Communication at the 3000 level or above.

(Internships do not apply.)

At least one Capstone Senior Seminar course in
either Art or Communication.

An internship is also recommended.

It is recommended that you secure advisors in
both the Communication and Art
Departments.

*Contacts: Prof. Bloom, Art; Dr. Vance,
Communication*

BIOLOGY - MATHEMATICS (66 HRS.)

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

Four additional courses at the 2000-3000 level, to be chosen from at least three of the four biological course groups (see Biology Major Requirements) and including at least two laboratory courses and the Capstone Experience.

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

PHY 1101 General Physics I

MAT 1118 Calculus II

MAT 2218 Linear Algebra

MAT 2224 Fundamentals of Mathematics

MAT 3304 Differential Equations

MAT 3305 Intro. to Mathematical Analysis

MAT 4406 Abstract Algebra

MAT 4494 Capstone Experience in Mathematics (1 hr.)

One hour of Mathematics Problem Seminar

CSC 1106 The Art of Programming

Recommended:

MAT 2219 Calculus III

MAT 3323 Probability

STA 2216 Statistical Methods

Contacts: Dr. Paquin, Biology; Dr. I. Simonelli, Mathematics

Suggested First-Semester Schedule:

MAT 1118 Calculus II (or placement)

BIO 1111 Principles of Biology

English Composition or Foreign Language

First Year Seminar

BUSINESS ADMINISTRATION - BUSINESS GERMAN (68 HRS.)

BUA 1101 Principles of Acct. I

BUA 1102 Principles of Acct. II

ECO 2201 Principles of Economics

ECO 3303 Microeconomic Theory

ECO 3320 Macroeconomic Theory

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods

GER 1101 Elementary German

GER 1102 Elementary German

or for both German 1103 Advanced Elementary German

GER 2211 Intermediate German I: Lang. & Culture or GER 2212 Intermediate German II: Conv. & Comp.

GER 2221 Principles of German for Business

GER 3331 German for International Business

GER 4410 Capstone - Advanced Studies in German (4410 must be taken at the College)

One four-hour German course at the 3000 level

One additional German course taught in English from among:

GER 1111 German Cinema

GER 1125 From the Holocaust to German Unification

GER 1131 Culture of German Speaking Countries

GER 2231 German Women in Literature and Society

Four hours from among:

BUA 2201 Intermediate Accounting I

BUA 2212 Tax Accounting

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial Emphasis

BUA 3301 Advanced Accounting

BUA 3307 Investments

BUA 4323 Capstone - Corporate Finance (4323 must be taken at the College)

Four hours from among:

BUA 2205 Legal Environment of Business

BUA 2209 Principles of Marketing

BUA 2210 Ethics and Business

BUA 2211 Entrepreneurship

BUA 2214 Principles of Management

BUA 2220 Psychology in the Workplace

BUA 3305 Public Administration

BUA 3325 Managing Sys. in a Macro Envir.

One semester spent studying abroad or one year in German House or Suite on campus

Contacts: Dr. J. Olsh, Economics; Dr. Esa, Foreign Languages

BUSINESS ADMINISTRATION - ECONOMICS (56 HRS.)

Our most popular option, stressing both liberal arts and business preparation.

BUA 1101 Principles of Acct. I

BUA 1102 Principles of Acct. II

Four hours from Mathematics

STA 2215 Elementary Statistics for Social
Science

STA 2216 Statistical Methods

ECO 2201 Principles of Economics

ECO 3303 Microeconomic Theory

ECO 3320 Macroeconomic Theory

ECO 4405 History of Economic Thought

Eight hours from among:

ECO 3304 International Economics

ECO 3305 American Economic History

ECO 3318 European Economic History

ECO 3324 Managerial Economics

ECO 3326 Economic Development

ECO 3327 Industrial Org. & Public Policy

ECO 4310 Money & Financial Markets

ECO 4312 Mathematical Economics

Four hours from among:

BUA 2201 Intermediate Accounting I

BUA 2212 Tax Accounting

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial
Emphasis

BUA 3301 Advanced Accounting

BUA 3307 Investments

BUA 4323 Corp. Finance & Financial
Management

Four hours from among:

BUA 2205 Legal Environment of Business

BUA 2209 Principles of Marketing

BUA 2210 Ethics and Business

BUA 2211 Entrepreneurship

BUA 2214 Principles of Management

BUA 2220 Psychology in the Workplace

BUA 3305 Public Administration

BUA 3325 Managing Sys. in a Macro Envir.

Four hours from among:

COM 1110 Public Speaking

ENG 2203 Intro. to Journalism

ENG 2208 Advanced Composition

ENG 2212 Professional Communication

ENG 3311 Writing in Professional Contexts

The required Capstones for the Dual Major in

Economics and Business Administration
(courses which must be taken at McDaniel

College) are ECO 4405 History of
Economic Thought and an additional course
chosen from among the following:

BUA 3324 Managerial Economics

BUA 4323 Corporate Finance

ECO 4310 Money and Financial Markets

Suggested First-Year Schedule:

BUA 1101 Principles of Accounting I

English Composition (based upon placement)

First Year Seminar

Mathematics (based upon placement)

Physical Education

Contact: Dr. Olsh, Economics

CHEMISTRY - EXERCISE SCIENCE and PHYSICAL EDUCATION (EXERCISE CHEMISTRY) (50 HRS.)

This dual major is intended to serve the needs and interests of students who wish to concentrate their studies in the field of exercise science. When you finish this major, you will be well prepared for further study in Biomechanics, Physiology, or the allied health professions. You should have an advisor in both the Chemistry and Exercise Science and Physical Education departments.

Required:

CHE 1101 Intro. Chem. I: Structure &
Bonding

CHE 1102 Intro. Chem. II: Chemical
Reactivity

CHE 2201 Electr. Lit. Search - Chem. Sci. (1
hr.)

CHE 2217 Organic Chemistry I

CHE 2218 Organic Chemistry II

CHE 3321 Biochemistry I

CHE 4492 Chemistry Seminar (1 hr.)
(Capstone Experience)

BIO 1111 Principles of Biology I

BIO 2211 Human Physiology or BIO 3316
Animal Physiology

EPE 2230 Biomechanics & Applied Anatomy

EPE 3222 Physiology of Exercise

EPE 3325 Nutrition

MAT 1117 Calculus I

PHY 1101 General Physics I

Recommended:

BIO 1112 Principles of Biology II
 BIO 3324 Comparative Anatomy of
 Invertebrates
 CHE 2210 Physical Chem. for the Life
 Sciences or CHE 3308 Physical Chemistry
 II
 CHE 3322 Biochemistry II
 MAT 1118 Calculus II
 PHY 1102 General Physics II

*Contacts: Dr. R. Smith, Chemistry; Dr. McCole,
 Exercise Science and Physical Education*

COMMUNICATION - ENGLISH (60 HRS.)

Required Courses:

COM 1102 Interpersonal Communication
 COM 1103 Mass Communication
 COM 2203 Quantitative Research Methods
 COM 2204 Qualitative Research Methods
 Three additional four-credit courses in
 Communication at the 3000 level or above,
 exclusive of any internships.

At least one Capstone (senior seminar) course
 in English or Communication. Internships
 do not apply.

ENG 2213 Intro to Literacy Methods and
 Critical Approaches

Six electives in English – one of which must be
 a literature course, one of which must be a
 writing course, and two of which must be at
 the 3000-level.

*Contacts: Dr. Meyer, Communication; Dr.
 Mangan, English*

COMMUNICATION - FOREIGN LAN- GUAGE (64 HRS.)

Required Courses in Foreign Language:

1101 Elementary Foreign Language I
 1102 Elementary Foreign Language II
 or 1103 Elementary Foreign Language for
 Advanced Beginners
 2 courses at the 2000 level
 2 courses at the 3000 level
 One course taught in English in relevant lan-
 guage by Foreign Languages Department,
 such as:
 FRE 1131 Culture of France
 FRE 1123 The French-Speaking World

GER 1111 German Cinema
 GER 1125 From the Holocaust to German
 Unification
 GER 1131 Culture of German Speaking
 Countries
 GER 2231 Women in German Literature and
 Society
 SPA 1131 Culture History of Spain
 SPA 2223 Culture History of Latin America
 4410 Advanced Studies in Foreign Language
 (Capstone)

One semester studying abroad or one year in
 residence in a language house on campus.

Required Courses in Communication:

COM 1102 Interpersonal Communication
 COM 1103 Mass Communication
 COM 2203 Communication Quantitative
 Research Methods
 COM 2204 Communication Qualitative
 Research Methods
 COM 3352 Intercultural Communication
 Three additional four-credit courses in
 Communication at the 3000 level or above.

*Contacts: Dr. Meyer, Communication;
 Dr. Esa, Foreign Languages*

COMMUNICATION - SOCIOLOGY (64 HRS.)

COM 1102 Interpersonal Communication
 COM 1103 Mass Communication
 COM 2203 Quantitative Research Methods
 COM 2204 Qualitative Research Methods
 Three 3000-level Communication courses
 COM 4594 Senior Seminar (Capstone)
 SOC 1104 Introduction to Sociology: A Global
 Perspective
 SOC 3319 Development of Sociological
 Theory

Six courses from the three areas below:
*Two courses from the area Society and the
 Individual:*

SOC 2201 Society and the Individual
 SOC 2202 The Family
 PSY Social Psychology
 SOC 2205 Criminology
 SOC 2214 Human Behavior and the Social
 Environment
 SOC 2225 Aging: The Individual and
 Society
 SOC 2410 Work and Occupations

SOC 3308 Adulthood and Aging

Two courses from the area Social Organization:

SOC 2206 Practical Applications in Law Enforcement

SOC 3315 Sociology of the Criminal Justice System

SOC 3325 Managing Systems in a Macro Environment

SOC 3303 Urban Sociology

SOC 3348 Legal Forensics

SOC 3360 Sociology of Education

SOC 3430 Medical Sociology

Two courses from the area Social Inequality:

SOC 22XX Global Social Change

SOC 2212 Wealth, Power, and Prestige in American Society

SOC 2427 Gender and Society

SOC 3328 Social Inequality and Justice

SOC 3355 Aging and Gender

SOC 3429 Race and Ethnic Relations in the U.S.

Contacts: Dr. Vance, Communication; Dr. Lemke, Sociology

COMMUNICATION - THEATRE ARTS

Two dual majors are possible, one in Interpersonal Communication and Interactive Theatre, another in Theatre, Film and Video Production. Students pursuing a dual major in Communication and Theatre Arts must complete one of these dual majors in its entirety.

The dual major in Interpersonal Communication and Interactive Theatre is designed for students interested in work or further study in professions requiring active interpersonal communication skills. The major promotes the ability to take leadership roles in interpersonal and group activities which require both verbal and embodied forms of communication, including but not limited to public speaking, intercultural communication, education, drama therapy and interactive theatre work in the community.

The dual major in Theatre, Film and Video Production is designed for students interested in exploring the range of skills required to produce dramatic and narrative stories through embodied performance, both in the theatre and in the mass media. Actors, directors, designers

and technicians working professionally in theatre, film and video must expect to be proficient in each area. This major prepares students for work and further study in these areas.

Students in either dual major are eligible for departmental honors in Communication, or Theatre Arts, or both. They must maintain and graduate with a 3.5 grade-point average in the department in which they are applying, and should fulfill any other requirements for departmental honors in that department.

Students pursuing the dual major in Interpersonal Communication and Interactive Theatre should expect to take three or four courses each year in the major. Students are encouraged to begin their studies with THE 1117 and COM 1102, and to take either THE 1113 or COM 1110 in the first year. Since some advanced courses are offered in rotation, majors should plan their programs carefully in subsequent years so that they are able to take courses of the greatest interest to them.

If they choose to do so, students in Interpersonal Communication and Interactive Theatre will be able to satisfy, in whole or in part, college requirements in Textual Analysis; Creative Expression; Social, Cultural and Historical Understanding; and Global Citizenship.

COMMUNICATION - THEATRE ARTS (Interpersonal Communication - Interactive Theatre) (56 HRS.)

Required courses:

THE 1113 Acting

THE 1117 Interactive Theatre and Group Process

COM 1102 Interpersonal Communication

COM 1110 Public Speaking

COM 3351 Gender and Communication

COM 3352 Intercultural Communication

One course from Texts and Traditions:

THE 2225 Classical, Medieval and Renaissance Theatre

THE 2226 Romantic, Realistic and Modern Theatre

THE 2227 Contemporary Theatre

THE 2231 Performance and Culture

Three courses from Interactive Theatre:

THE 2272 Play, Ceremony and Performance

- THE 2274 Drama Therapy
- THE 3001 Teaching Theatre to Young People
- THE 3364 Special Topics: Interactive Theatre+
- THE 3373 Theatre and Community
- THE 3375 Playback Theatre
- Three advanced courses from Communication:
 - COM 2250 Television Production
 - COM 3310 Rhetorical History and Criticism
 - COM 3314 Language and Discourse
 - COM 3353 Cultural Studies
 - COM 3355 Critical Theory and Popular Culture
 - COM 3365 Special Topics
- One laboratory course in Theatre Arts:
 - THE 3324 Interactive Theatre Laboratory
- One capstone course:
 - THE 4460 Drama Workshop
 - COM 4594 Senior Seminar
- One senior laboratory (required only for candidates for departmental honors in Theatre Arts):
 - THE 4493 Senior Interactive Theatre Laboratory

Contacts: Dr. Vance, Dr. R. Miller

Students pursuing the dual major in Theatre, Film and Video Production should expect to take four courses each year in the major. Ideally, prospective majors should complete THE 1111, THE 1113 and COM 1103 in the first year, as well as either COM 2210 or COM 2250. Acting for the Camera is offered every two or three years, so students with sophomore standing should take it at the first opportunity. Since other advanced courses may be offered in rotation, majors should plan their programs carefully in subsequent years so that they are able to take the courses of greatest interest to them.

If they choose to do so, students in Theatre, Film and Video Production will be able to satisfy, in whole or in part, college requirements in Textual Analysis; Creative Expression; Social, Cultural and Historical Understanding; and Global Citizenship.

COMMUNICATION - THEATRE ARTS (Film and Video Production - Theatre) (62 HRS.)

Required courses:

- THE 1111 Stagecraft
- THE 1113 Acting
- COM 1103 Mass Communication
- COM 2210 Basic Video Editing
- COM 2250 Television Production
- COM 3330 Film Analysis
- COM/THE 2237 Acting for the Camera
- One course from Texts and Traditions:
 - THE 2225 Classical, Medieval and Renaissance Theatre
 - THE 2226 Romantic, Realistic and Modern Theatre
 - THE 2227 Contemporary Theatre
 - THE 2231 Performance and Culture
- Three courses from Theatre Performance and Production:
 - THE 2232 Creating a Character
 - THE 2234 Voice and Movement for the Actor
 - THE 2244 Theatre Management
 - THE 2252 Theatre Technology
 - THE 3326 Playwriting
 - THE 3354 Set Design
 - THE 3356 Lighting Design
 - THE 3358 Costume and Makeup Design
 - THE 3365 Special Topics: Acting
 - THE 3366 Special Topics: Production
- Three advanced courses from Communication:
 - COM 3310 Rhetorical History and Criticism
 - COM 3332 Television Analysis and Criticism
 - COM 3333 Fiction into Film
 - COM 3337 Scriptwriting
 - COM 3338 European Film Art
 - COM 3355 Critical Theory and Popular Culture
 - COM 3365 Special Topics
- One laboratory course in Theatre Arts:
 - THE 3321 Performance Laboratory
 - THE 3322 Management Laboratory
 - THE 3323 Production Laboratory
 - THE 3326 Playwriting Laboratory
- One capstone course:
 - THE 4450 Directing
 - COM 4594 Senior Seminar

One senior laboratory (required only for candidates for departmental honors in Theatre Arts)
THE 4490 Senior Performance Laboratory
THE 4492 Senior Production Laboratory
THE 4494 Senior Directing Laboratory

Contacts: Assistant Professor Slade, Associate Professor van den Berg

COMPUTER SCIENCE - MATHEMATICS (71 HRS.)

CSC 1106 The Art of Programming
CSC/MAT 1109 Discrete Mathematics
CSC 2209 Computer Organization
CSC/MAT 2210 Numerical Methods
CSC 2217 Data Structures
CSC/MAT 3314 Theory of Computation
CSC 3317 Algorithms
At least two additional four-credit courses in Computer Science, 2000 level or above (excluding CSC 2295 and CSC 3395)

MAT 1118 Calculus II
MAT 2218 Linear Algebra
MAT 2224 Fundamentals of Mathematics
MAT 3305 Introduction to Mathematical Analysis
MAT 4406 Abstract Algebra

At least two additional four-credit courses in Mathematics, 2000 level or above (excluding MAT 2242, MAT 3342, MAT 2295, MAT 3395, and MAT 4495)

Two hours of Mathematics Problem Seminar
CSC 4494 Senior Project (4 hr.)
MAT 4494 Capstone Experience in Mathematics (1 hr.)

Contact: Dr. I. Simonelli, Mathematics

ECONOMICS - BUSINESS GERMAN (64 HRS.)

ECO 2201 Principles of Economics
ECO 3303 Microeconomic Theory
ECO 3320 Macroeconomic Theory
ECO 4405 Capstone - History of Economic Thought (4405 must be taken at the College.)

Eight hours of Economics at the 3000 or 4000 level

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods
GER 1101 Elementary German
GER 1102 Elementary German
or for both GER 1103 Advanced Elementary German
GER 2211 Intermediate German I: Lang. & Culture
or GER 2212 Intermediate German II: Conv. & Comp.
GER 2221 Principles of German for Business
GER 3331 German for International Business
GER 4410 Capstone - Advanced Studies in German (4410 must be taken at the College)
One four-hour German course at the 3000 level
One additional German course taught in English from among:
GER 1111 German Cinema
GER 1125 From the Holocaust to German Unification
GER 1131 Culture of German Speaking Countries
GER 2231 German Women in Literature and Society
One semester spent studying abroad or one year in German House or Suite on campus

Contacts: Dr. J. Olsh, Economics; Dr. Esa, Foreign Languages

ECONOMICS - FOREIGN LANGUAGE** (68 HRS.)

**Programs are available in French, German, and Spanish

ECO 2201 Principles of Economics
ECO 3303 Microeconomic Theory
ECO 3320 Macroeconomic Theory
ECO 4405 Capstone - History of Economic Thought (4405 must be taken at the College.)

Eight hours of Economics at the 3000 or 4000 level

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods
Foreign Language (FRE, GER, or SPA)

1101 Elem. Foreign Lang. I

1102 Elem. Foreign Lang. II or 1103

Elementary Foreign Language for Advanced Beginners

2211 For. Lang. World & Culture I or another 2000-level course.

2212 For. Lang. World & Culture II or another 2000-level course.

4410 Capstone - Adv. Studies in For. Lang. II (4410 must be taken at the College.)

Three additional Foreign Language courses only one of which may be taught in English.

One semester spent studying abroad or one year in residence in a language house on campus.

Contacts: Dr. J. Olsh, Economics; Dr. Esa, Foreign Languages

ECONOMICS - MATHEMATICS (62 HRS.)

ECO 2201 Principles of Economics

ECO 3303 Microeconomic Theory

ECO 3320 Macroeconomic Theory

ECO 4405 Capstone - History of Economic Thought (4405 must be taken at the College.)

Eight hours of Economics at the 3000 or 4000 level

STA 2216 Statistical Methods

MAT 1118 Calculus II

MAT 2218 Linear Algebra

MAT 2219 Calculus III

MAT 2224 Fundamentals of Mathematics

MAT 3305 Intro. to Mathematical Analysis

MAT 3323 Probability

At least one course chosen from:

MAT 3324 Mathematical Statistics

MAT 3328 Operations Research

MAT 3335 Stochastic Processes

At least one hour from Mathematics Problem Seminar

CSC 1106 The Art of Programming

MAT 4494 Capstone Experience in Mathematics (1 hr.)

Contacts: Dr. J. Olsh, Economics; Dr. I. Simonelli, Mathematics

ECONOMICS - POLITICAL SCIENCE (56 HRS.)

ECO 2201 Principles of Economics

ECO 3303 Microeconomic Theory

ECO 3320 Macroeconomic Theory

ECO 4405 Capstone - History of Economic Thought (4405 must be taken at the College.)

Eight hours of Economics at the 3000 or 4000 level

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods

PSI 1101 Intro. to Political Science

PSI 1111 Early Western Political Thought or

PSI 1112 Mod. West. Political Thought

PSI 4492 Capstone - Senior Seminar

Twelve hours of Political Science courses

Contacts: Dr. J. Olsh, Economics; Dr. Leahy, Political Science and International Studies

ENGLISH - HISTORY (60 HRS.)

HIS 1105 Formation of Western Society

HIS 1106 Western Civilization II: 1700 - Present

Five courses in American or European History, 2000 level or above

HIS 4492 Capstone - History Colloquium or

ENG 4492 Capstone - Senior Seminar

ENG 2213 Intro to Literacy Methods and Critical Approaches

Six electives in English – one of which must be a literature course, one of which must be a writing course, and two of which must be at the 3000-level.

Contacts: Dr. Mangan, English; Dr. D. Evergates, History

ENGLISH - POLITICAL SCIENCE (52 HRS.)

ENG 2213 Intro to Literacy Methods and Critical Approaches

Six electives in English – one of which must be a literature course, one of which must be a writing course, and two of which must be at the 3000-level.

Three additional Political Science Courses

PSI 4492 Senior Seminar - Capstone or ENG 4492 Capstone - Senior Seminar

Contacts: Dr. Mangan, English; Dr. Leahy, Political Science and International Studies

ENGLISH-THEATRE ARTS (60 HRS.)

The English-Theatre Arts Dual Major is designed for students with an interest in the study of literature, theatre history, dramaturgy, and literary and performance theory. It prepares students for graduate studies in theatre, English literature, dramaturgy, or playwriting, and is a good choice for students planning to teach English and Theatre at the secondary school level. Such students should check with their advisor in education to make sure that all course required for certification have been completed.

The dual major normally requires the completion of four courses each academic year. In their first year, prospective majors are advised to complete two introductory courses in Theatre Arts (1111, 1113, 1117), and to take two additional courses, in either discipline, at the 2000-level.

If they choose to do so, majors will be able to complete, in part or in whole, college requirements in Textual Analysis; Creative Expression; Social, Cultural and Historical Understanding; and Global Citizenship.

Students may elect to apply for departmental honors in either discipline, or in both.

Required:

ENG 2213 Introduction to Literary Methods and Critical Approaches

ENG/THE 3350 Shakespeare

THE 3325 Dramaturgy Laboratory (2 credits)

Two courses from the following:

THE 1113 Acting

THE 1111 Stagecraft

THE 1117 Interactive Theatre and Group Process

One writing course from:

ENG 2206 Creative Writing-Fiction

ENG 2207 Creative Writing-Poetry

ENG 2208 Advanced Composition

ENG 2265(SP) Upper level special topics course in writing

THE 3326 Playwriting

Two courses from Texts and Traditions:

THE 2225 Theatre of the Western World I

THE 2226 Theatre of the Western World II

THE 2227 Contemporary Theatre

THE 2230 Performance and Culture

Four additional courses from English, one of which must be a 3000-level course.

Two courses from:

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor

THE 2252 Theatre Technology

THE 2244 Theatre Management

THE 2272 Play, Ceremony and Performance

THE 2274 Drama Therapy

THE 3001 Teaching Theatre to Young People

THE 3333 Classic Acting Styles

THE 3335 Modern Acting Styles

THE 3337 Asian Approaches to Acting

THE 3339 Scene Study

THE 3353 Musical Theatre Scene Study

THE 3354 Set Design

THE 3356 Scene Design

THE 3358 Costume and Makeup Design

THE 3373 Theatre and Community

THE 3375 Playback Theatre

One additional laboratory course (2 credits):

THE 3321 Performance Laboratory

THE 3322 Management Laboratory

THE 3323 Production Laboratory

THE 3324 Interactive Theatre Laboratory

THE 3340 Playwriting Laboratory

One capstone course

THE 4450 Directing

THE 4460 Drama Workshop

ENG 4492 Senior Seminar (required for candidates for departmental honors in English)

One senior laboratory (Required only for candidates for departmental honors in Theatre Arts. In order to register for this course, students must have completed a 3000-level course from and a laboratory course in the same area of creative process.)

THE 4490 Senior Performance Laboratory

THE 4492 Senior Production Laboratory

THE 4493 Senior Interactive Theatre Laboratory

THE 4494 Senior Directing Laboratory

Contacts: Dr. Mangan, English; Dr. R. Miller, Theatre Arts

FOREIGN LANGUAGE** - HISTORY (64 HRS.)

**Programs are available in French, German, and Spanish

HIS 1105 Western Civilization I: Origins - 1700

HIS 1106 Western Civilization II: 1700 - Present

Five upper-level History courses, 2000 level or above

Foreign Language 1101, 1102 (or 1103), 2211 (or another 2000-level course), 2212 (or another 2000-level course), 4410 (Capstone) (4410 must be taken at the College)

Four additional Foreign Language courses; only one may be taught in English

One semester spent studying abroad or one year in residence in a language house on campus

Contacts: Dr. Esa, Foreign Languages; Dr. D. Evergates, History

FOREIGN LANGUAGE** - POLITICAL SCIENCE (60 HRS.)

**Programs are available in French, German, and Spanish.

Foreign Language 1101, 1102 (or 1103), two 2000-level courses, 4410 (Capstone) (4410 must be taken at the College)

Four additional Foreign Language courses; only one may be taught in English on a relevant topic

(i.e., FRE/CCS 1123 or FRE 1131; GER 1111, GER 1125, GER 1131, or GER 2231; SPA/CLT 1125, SPA 1131, or SPA/CCS/HIS 2223)

One semester spent studying abroad or one year in residence in a language house on campus

PSI 1101 Intro. to Political Science

PSI 1111 Early Western Political Thought or

PSI 1112 Modern Western Political Thought

PSI 4492 Capstone-Senior Seminar

Three additional Political Science and International Studies courses

Contacts: Dr. Esa, Foreign Languages; Dr. Leahy, Political Science and International Studies

FOREIGN LANGUAGE – SOCIOLOGY (64 HRS.)

**Programs are available in French, German, and Spanish.

Foreign Language 1101 and 1102 (or Foreign Language 1103 for advanced beginners)

Two Foreign Language courses at 2000 level

Three Foreign Language courses at 3000 level

One Foreign Language course taught in English on a relevant topic, such as

FRE 1131 The Culture of France or FRE 1123 The French-Speaking World

GER 1111 German Cinema, GER 1125 From the Holocaust to German Unification, GER 1131 Culture of German-Speaking Countries, or GER 2231 Women in German Literature & Society;

SPA 1131 Cultural History of Spain or SPA 2223 Cultural History of Latin America

One semester spent studying abroad or one year in residence in a language house on campus.

SOC 1104 Introduction to Sociology: A Global Perspective

SOC 3319 The Development of Sociology Theory

SOC 3358 Research Methods in Sociology

SOC 4493 Critical Inquiry in Sociology (capstone)

One course from the area Society and the Individual:

SOC 2201, SOC 2202, SOC 2204, SOC 2205, SOC 2214, SOC 2225, SOC 2410, SOC 3308

One course from the area Social Organization:

SOC 2206, SOC 2240, SOC 3315, SOC 3303, SOC 3325, SOC 3348, SOC 3360, SOC 3430

Two courses from the area Social Inequality:

SOC 22xx, SOC 2212, SOC 2427, SOC 3328, SOC 3355, SOC 3429

Contacts: Dr. Esa, Foreign Languages; Dr. Lemke, Sociology

MATHEMATICS - PHYSICS (63 HRS.)

MAT 1118 Calculus II

MAT/CSC 2210 Numerical Methods

MAT 2218 Linear Algebra

MAT 2224 Fundamentals of Mathematics

MAT 3304 Differential Equations

MAT 3316 Complex Analysis

MAT 4406 Abstract Algebra

At least two hours from Mathematics Problem Seminar

CSC 1106 The Art of Programming

PHY 1101 General Physics I

PHY 1102 General Physics II

PHY 2204 Introduction to Modern Physics

PHY 2211 Mathematical Physics

PHY 2212 Intermediate Mechanics

PHY 3311 Intermediate Electricity & Magnetism

One course chosen from:

PHY 2209 Optics & Waves

PHY 3309 Topics in Quantum Mechanics

PHY 3306 Thermodynamics

MAT 4494 Capstone Experience in Mathematics (1 hr.) or PHY 4491 Capstone - Physics Seminar (1 hr.)

Contacts: Dr. I. Simonelli, Mathematics; Dr. Marx, Physics

HISTORY - POLITICAL SCIENCE (48 HRS.)

HIS 1105 Formation of Western Society

HIS 1106 Western Civilization II: 1700 - Present

Four additional History courses, 2000 level or above

PSI 1101 Introduction to Political Science

PSI 1111 Early Western Political Thought or

PSI 1112 Modern Political Thought

Three additional Political Science courses

HIS 4492 Capstone-History Colloquium or

PSI 4492 Capstone - Senior Seminar

Contacts: Dr. D. Evergates, History; Dr. Leahy, Political Science and International Studies

MUSIC-THEATRE ARTS (59 HRS)

Required:

THE 1102 Musical Theatre Dance Styles

THE 1113 Acting

THE 1117 Group Process in Interactive Theatre

MUS 1104 Music Theatre Opera Workshop

MUT 1131 Music Theory I

MUT 1132 Music Theory II

MUS 1201 Piano Proficiency

MUS 1202 Voice Proficiency

MUS 1204 Aural Training Musicianship

MUL/THE 2216 History of Musical Theatre

THE 3321 Performance Laboratory (2 credits)

MUE/THE 3353 Musical Theatre Scene Study

MUS 4205 Senior Recital

Two credits from:

THE 3365/4465 Special Topics in Musical Theatre

One course from:

THE 2232 Creating a Character

THE 2234 Voice and Movement for the Actor

Two courses from:

THE/CLT 2225 Classical, Medieval and Renaissance Theatre

THE/CLT 2226 Romantic, Realistic and Modern Theatre

THE/CLT 2227 The Contemporary Theatre

MUL 2203 European Music before 1750

MUL 2204 European Music after 1750

MUL 2231 Music of Africa and the Diaspora

MUL 2232 African-American Music and the Community

THE/EDU 3001 Teaching Theatre to Young People

One course from:

THE 3333 Classical Acting Styles

THE 3335 Modern Acting Styles

THE 3339 Scene Study

THE 3358 Costume & Make-up Design

One course chosen from upper-level electives or independent studies in Music

OR an additional 3000-level Acting Course

Six hours from private lessons(as needed for proficiency):

MUS 1003 Classical Piano

MUS 1006 Voice

MUS 1010 Jazz Piano

Two hours from Aural Training (as needed for proficiency)
Students wishing Departmental Honors must complete:
THE 4490 Senior Performance Lab

Contacts: Dr. Caldwell, Music; Associate Professor van den Berg, Theatre Arts

PHILOSOPHY - RELIGIOUS STUDIES
(50 HRS.)

- REL 1102 Religion & Culture or REL 1151 The Good Life
- REL 2240 Religion & Critical Thought
- One course from:
 - Historical and analytical studies of religions
 - REL 2204 Women and Religion
 - REL 2251 Religion in Western Culture I
 - REL 2252 Religion in Western Culture II
 - REL 2253 Judaism, Christianity, and Islam
 - REL 2254 Religions of Africa and the Indigenous Americans
 - REL 2255 Religions of Asia
 - REL 2256 Religions of the Ancient World
 - REL 3305 Sacred Architecture
 - REL 3306 Hindu Rituals and Ethics

- One course from:
 - Religious thought and ethics
 - REL 2211 Issues of Social Justice
 - REL 2212 Martin and Malcolm
 - REL 2216 Religion, Politics, and Society
 - REL 2232 Religion and Evil
 - REL 3302 Classical Indian Philosophy
 - REL 3303 God, Self, and World
- One course from:
 - Religious Studies, 2000 level or higher
 - PHI 1102 Critical Thinking
 - PHI 1113 History of Ancient and Medieval Philosophy
 - PHI 1114 History of Modern Philosophy

- One Ethics course; select from:
 - PHI 1105 Contemporary Issues in Ethics
 - PHI/BUA 2210 Ethics & Business
 - PHI/REL 2211 Issues of Social Justice
 - PHI/BIO 3350 Bioethics

Two additional courses in Philosophy, 2000 level or higher

- Two hours of:
 - PHI 2291 Directed Readings in Philosophy,
 - REL 2291 Directed Readings in Religious Studies
 - PHI 4492 Capstone - Senior Thesis, or
 - REL 4492 Capstone - Senior Thesis

Contact: Dr. Alles, Religious Studies

POLITICAL SCIENCE - SOCIAL WORK
(76 HRS.)

The major is designed for students who are interested in assessing and addressing socio-political problems at the local, state, and federal level. Students will study the impact of public policy as it pertains to specific populations and institutions. In addition, students will become familiar with the development and analysis of public policy. International problems and the responsibility of the United States to these countries from both political as well as social perspectives will also be considered. The curriculum includes an emphasis on human behavior and the social environment and its relationship to public opinion, administration, interest groups, and campaign politics. Students are required to participate in an internship during their senior year in a public agency, which involves an integration of macro- and micro-level issues and activities. This major should be strongly considered by students who have a career interest in community organization, social action legislation, and policy-making. Several graduate schools, including the University of Maryland, offer simultaneous degrees in social work and law.

Required Social Work courses (44 hrs.)

- SWK 2202 The Family
- SWK 2214 Human Behavior in the Social Environment
- SWK 2217 Marginalized Cultures & Macro Intervention
- SWK 2218 Social Welfare Policy
- SWK 3322 Social Work Practice I
- SWK 3349 Methods in Social Work Research
- SWK 4409 Social Work Practice II
- SWK 4417/4418 Field Instruction in Social Work I & II
- SWK 4415/4416 Field Instruction Seminar I & II

Required Political Science courses (32 hrs.)

PSI 1101 Introduction to Political Science

PSI 2201 American Political Institutions

PSI 2202 State and Local Government

PSI 2207 American Public Policy

Four courses selected from the following:

PSI 2216 Campaigns and Elections

PSI 3305 Public Administration

PSI 3308 American Constitutional Law

PSI/CCS 3310 Politics of Developing Areas

PSI 2265 International Human Rights*

PSI 2265 Identity Politics*

PSI 3333 Conflict Resolution

*Special Topics courses presently offered or planned for the future.

Contacts: Dr. Leahy, Political Science and International Studies; Dr. Rees, Social Work

PSYCHOLOGY - SOCIOLOGY (56 HRS.)

Required:

SOC 1104 Introduction to Sociology: A Global Perspective

SOC 2201 Society and the Individual

SOC 3319 Development of Sociological Theory

PSY 1106 Introduction to Psychology

PSY 2204 Social Psychology

PSY 2223 Psychological Methods & Statistics I (lab included)

One course from:

PSY 2201 Psychology of Learning and Animal Laboratory

PSY 2215 Cognitive Psychology and Cognitive Laboratory

Two courses from:

SOC 2212 Wealth, Power, & Prestige in American Society

SOC 2427 Gender and Society

SOC 3429 Race and Ethnic Relations in the U.S.

One course from:

PSY 2000+ level or SOC 2000+ level

One course from:

PSY 2211 Psychology of Abnormality

SOC 2205 Criminology

One course from:

PSY 2209 Child and Adolescent Development

PSY/SOC 3308 Adulthood & Aging

SOC/SWK 2214 Human Behavior & the Social Environment

Select one Methods/Capstone grouping:

PSY 2224 Psychological Methods & Statistics II (lab included) and

PSY 4492 or 4499 Capstone in Psychology Or

SOC 3358 Research Methods in Sociology and

SOC 4493 Critical Inquiry in Sociology

Contacts: Dr. McDevitt, Psychology; Dr. Lemke, Sociology

College Organization

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		1991-1996	Millard Lee Rice, B.A., Sc.D.
		1996-2007	James Irvin Melhorn, A.B., M.Div.
		2007-	Martin K.P. Hill

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Carolyn P. Landis (1993)

Managing Member
Catalyst Partners, LLC
Princeton, New Jersey

Sharon A. Manning '65, L.H.D. '79 (hon.) (2006)

President
Educational Communication Consortia, Inc.
Nashville, Tennessee

James I. Melhorn (1993)

President/CEO
EMA, Inc.
Baltimore, Maryland

Julie Mercer (2007)

Managing Director
Columbia Consulting Group
Baltimore, Maryland

Albert J. Mezzanotte, Jr. '78 (1997)

Managing Partner
Whiteford, Taylor & Preston L.L.P.
Sykesville, Maryland

Charles E. Moore '71 (1993)

Davidsonville, Maryland

Chitrachedu Naganna (2007)

Cardiologist
Carroll Heart Center
Westminster, Maryland

Carol S. Parham (1997)

Professor of Practice
University of Maryland College Park
Annapolis, Maryland

Caryl E. Peterson '58 (1992)

Professor of Biology Emerita
Towson University
Lutherville, Maryland

Bruce H. Preston '75 (1995)

Preston Realty, LLC
Baltimore, Maryland

Diane Rehm, D. Journ. '92 (hon.) (1994)

Host and Executive Producer
The Diane Rehm Show
Bethesda, Maryland

Donald M. Rembert '61 (2007)

Financial Adviser
Rembert, Pendleton & Fox
Reston, Virginia

R. Christine Royer '48 (1994)

Vice President of Public Affairs (ret.)
Barnard College
New York, New York

Carolyn L. Scott, B.A. '67, M.L.A. '76 (1996)

Community Leader &
Columnist, Carroll County Times
Westminster, Maryland

Robert W. Smith, Jr. (2003)

Partner, Corporate & Securities
DLA Piper US LLP
Hunt Valley, Maryland

Dolores J. Snyder, M.Ed. '63, L.H.D. '89

(hon.) (1980)
Educator (ret.)
Westminster, Maryland

Ferenc Somogyi (1994)

Hungarian Ambassador to the United States
Washington, D.C.

Barbara A. Thomas '70 (2005)

Okatie, South Carolina

Constance M. Unseld (1999)

Educational Director, Unselds' School
Baltimore, Maryland

George F. Varga '61, H.H.D. '92 (hon.)

(1989)
Former President and CEO, Tungsram Co., Ltd.
Boston, Massachusetts

Nancy C. Voss '54 (1981)

Educator (ret.)
Denton, Maryland

Robert E. Warfield (2004)

Executive Vice President,
Coldwell Banker Residential Brokerage
President, G&W Realty, Inc.
Ocean City, Maryland

Michael E. Weinblatt '71 (1994)

Professor of Medicine, Harvard Medical School
Director of Clinical Rheumatology
Brigham & Women's Hospital
Waban, Massachusetts

William J. Westervelt, Jr. '71 (2005)

Partner
Ashby Point Capital
Arnold, Maryland

Leslie A. Wiley (1999)

President, TYL Associates
Washington, D.C.

James H. Yates '72 (2003)

President/CEO
N.H. Yates & Company, Inc.
Phoenix, Maryland

Emeriti Trustees

Mary B. Bryson '35 (1967)
Community Leader
Westminster, Maryland

William S. Keigler, L.H.D. '91 (hon.) (1980)
President (ret.)
The C. M. Kemp Mfg. Company
Naples, Florida

Catherine S. Kiddoo '46 (1982)
Community Leader
Naples, Florida

Wilbur D. Preston, Jr. '44; D.C.L. '75
(hon.) (1967)
Senior Counsel (ret.)
Whiteford, Taylor & Preston, L.L.P.
Naples, Florida

Alleck A. Resnick '47, D.C.L. '81 (hon.)
(1972)
Attorney
Baltimore, Maryland

M. Lee Rice '48, Sc.D. '83 (hon.) (1980)
Business Consultant
Westminster, Maryland

Rebecca G. Smith '37 (1976)
Educator (ret.)
Easton, Maryland

Lloyd B. Thomas (1980)
President (ret.)
Thomas, Bennett and Hunter, Inc.
Sykesville, Maryland

Honorary Trustees

Laurence J. Adams, L.H.D. '93 (hon.)
(1992)
President/COO (ret.)
Martin Marietta Corporation
Potomac, Maryland

Dorothy P. John (2002)
Berlin, Maryland

Ann K. W. McCool '38 (1988)
Retired Educator and Owner/Manager
Walls' Apartments
Rehoboth Beach, Delaware

Margaret Lee Tawes '32 (1994)
Community Leader
Crisfield, Maryland

Officers of the Board

Chair: **Mr. Hill**
Chair Emeriti: **Mr. Preston, Mr. Keigler,
Mr. Rice, Mr. Melhorn**
Vice Chair: **Mr. Dulany**

Alumni Visitors to the Board

President Emeritus, **Carroll L. Yingling '68**
Westminster, Maryland

President, **Corynne B. Courpas '76**
New Windsor, Maryland

Executive Secretary, **Robin Adams
Brenton '86**
Hanover, Pennsylvania

Faculty Visitors to the Board

Debora A. Johnson-Ross, Assistant Professor
of Political Science & International Studies
(2008)

Kathy S. Mangan, Professor and Chair of
English (2009)

Harry L. Rosenzweig, Professor of
Mathematics (2010)

Student Visitors to the Board

Scott E. Gelman '08, South Salem, New
York

Gregory S. Miller '09, Manchester,
Maryland

Emily K. Taylor '09, Portland, Oregon

Administration

President, **Joan Develin Coley**

Provost and Dean of the Faculty, **Thomas M. Falkner**

Dean and Vice President of Student Affairs, **Beth R. Gerl**

Vice President, Enrollment Management & Dean of Admissions, **Florence W. Hines**

Vice President, Institutional Advancement, **Richard G. Kief**

Vice President, Administration and Finance, **Ethan A. Seidel**

Academic Affairs

Thomas M. Falkner, Provost and Dean of the Faculty
A.B., LeMoyne College; M.A., Ph.D., SUNY-Buffalo

Henry B. Reiff, Dean of Student Academic Life
A.B., Princeton University; M.Ed., Ph.D., University of New Orleans

Gretchen K. McKay, Associate Dean of Academic Affairs &
Director of the Honors Program
B.A., Colby College; M.A., Ph.D., University of Virginia

Sarah E. Stokely, Assistant Dean of First Year Students
B.A., M.A., Ph.D., University of Maryland

Gillisann Harootunian, Faculty Grants Associate
B.S., Boston University; M.A., City College, New York; Ph.D., The Graduate School and University Center, New York

TBD, Director of Institutional Research

Lisa M. Breslin, Director of the Writing Center
B.A., Colorado College; M.A., Indiana University

Pamela L. Regis, Director of the Center for Faculty Excellence
B.A., M.A., Ph.D., The Johns Hopkins University

Suzanne N. Seibert, Director of College Writing
B.A., M.L.A., McDaniel College

Thomas G. Deveny, Assistant Director of the Honors Program
B.A., State University of New York-Albany; M.A., University of Florida; Ph.D., University of North Carolina

Anna M. Thomas, Executive Secretary

Joshua A. Selzer, Arts Manager
B.A., McDaniel College; M.F.A., California Institute of the Arts

Zephia M. Bryant, Director of Multicultural Services
B.A., M.P.A., Jacksonville State University

Walter M. Michael, Artist in Residence & Executive Director of Common Ground on the Hill
B.A., McDaniel College

Administration and Finance

Ethan A. Seidel, Vice President, Administration and Finance
B.A., The Johns Hopkins University; M.B.A., Wharton Graduate School, University of Pennsylvania; Ph.D., The Johns Hopkins University

Arthur S. Wisner, Director of Financial Services/Treasurer
B.S., Iowa State University

Kimberly A. Seeley, Director of Financial Planning & Budget/Assistant Treasurer
B.S., Towson University

Clement J. Ani, Senior Accountant
B.S., Central State University; M.B.A., Morgan State University

Barbara Y. Kashen, Payroll and Accounts Payable Manager
B.A., M.A., McDaniel College

Teresa A. McAndrew, Accountant
B.A., McDaniel College

Maureen L.T. Meloche, Administrative Assistant

Admissions

Florence W. Hines, Vice President,
Enrollment Management & Dean of
Admissions
B.A., M.B.A., Millsaps College

Gina Rende King, Director of Admissions
B.A., McDaniel College

Stephanie D. DeSanctis, Associate Director
of Admissions
B.A., Washington College

Jill R. Morsberger, Associate Director of
Admissions
B.S., Villa Julie College

Heidi M. Reigel, Associate Director of
Admissions
B.A., M.A., McDaniel College

TBD, Assistant Director/Counselor of
Admissions

Jason A. Doll, Assistant Director of
Admissions
B.S., Pennsylvania State University

**Alumni Relations & Annual
Giving**

Robin Adams Brenton, Associate Vice
President for Alumni Relations &
Annual Giving
B.A., McDaniel College

Marcus Lee Primm, Director of Special
Projects
B.A., McDaniel College

Cathleen B. Nosel, Associate Director of
Alumni Relations & Annual Giving
B.S., M.A., Indiana University of Pennsylvania

James B. Clarke, Associate Director of
Alumni Relations & Annual Giving
B.A., Hiram College; M.A., University of
Houston; M.L.S., University of Michigan

Kristin C. Lister, Assistant Director of
Alumni Relations & Annual Giving
B.A., McDaniel College

TBD, Assistant Director of Alumni Relations &
Annual Giving

Brent H. Myers, Manager of Information
Analysis
A.S., Community College of Allegheny County;
B.S., Pennsylvania State University
TBD, Outreach Manager

Athletics

James M. Smith, Director of Athletics
B.S. Cornell University; M.Ed., Loyola
University

TBD, Associate Director of Athletics
TBD, Facility Coordinator

Luke E. Stillson, Director of Sports
Information
B.S., SUNY

Gregg S. Nibbelink, Head Athletic Trainer &
Senior Coach Lecturer
B.S., Towson State University; M.S., Ohio State
University

Rebecca J. Shearer, Assistant Athletic
Trainer/Coach Lecturer
B.A., Messiah College

Matthew Hatton, Intramural Director
B.S., Salisbury University; M.A., McDaniel
College

Aaron P. Bartolain, Assistant Coach, Football
B.A., M.S., McDaniel College

Brad W. Fordyce, Assistant Coach, Football
B.S., Springfield College; M.A., M.S., McDaniel
College

Jeffrey M. Hiestand, Assistant Aquatics
Director/Swim Lesson Coordinator
B.A., University of Maryland Baltimore County

Head Coaches

Baseball, **David G. Seibert**
Men's Basketball, **Kevin J. Curley**
Women's Basketball, **Rebecca L. Martin**
Cross Country, **Douglas J. Renner**
Field Hockey, **Melissa O. Miranda**
Football, **Timothy F. Keating**

Men's Golf, **J. Scott Moyer**

Women's Golf, **Michael C. Diehl**

Men's Lacrosse, **Matthew Hatton**

Women's Lacrosse, **Marjorie E. Bliss**

Men's Soccer, **John P. Plevyak**

Women's Soccer, **Bryan Schumaker**

Softball, **Philip D. Smith**

Swimming, **Catherine E. Easterday**

Men's Tennis, **Andrew Knox**

Women's Tennis, **Andrew Knox**

Track, **Douglas J. Renner**

Volleyball, **Carole J. Molloy**

Wrestling, TBD

Biology

TBD, Lab Coordinator

Douglas C. Yust, Lab Preparator/Chemical Hygiene Officer
B.A., McDaniel College; M.S., Johns Hopkins University

Bookstore

Kyle H. Meloche, Manager, Book Store
B.A., McDaniel College

Vickie Carlson, Assistant Manager, Book Store

Bursar's Office

Susan L. Schmidt, Bursar
B.S., Towson University

Harriett E. Corbran, Assistant Bursar
A.A., Brookdale Community College

Campus Safety

Michael N. Webster, Director of Campus Safety
B.S., Northeastern University; M.S., McDaniel College

Career, Counseling, and Health Services

April L. Johnson, Director of Career Advising
B.A., University of Maryland Baltimore County; M.S., Ed.S., Florida State University

Amanda D.G. Isaac, Assistant Director of Career Advising
B.A., High Point University; M.A., Virginia Tech

Susan J. Glore, Director of Counseling Services
B.A., M.S., Shippensburg University

Megan R. Hearron, College Counselor
B.S., University of Maryland College Park; M.S.W., University of Maryland Baltimore

TBD, College Counselor

Joan M. Lusby, Physician's Assistant (certified)
B.S., Johns Hopkins University

College Activities

Mitchell K. Alexander, Director of College Activities
B.A., M.Ed., McDaniel College

Amanda M. Rose, Assistant Director of College Activities
B.A., M.S., McDaniel College

Erica L. Immler, Operations Supervisor
B.A., Longwood College; M.Ed., Springfield College

Communications & Marketing

Joyce D. Muller, Associate Vice President, Communications & Marketing
B.S., Towson University

Peggy D. Fosdick, Director of Communications
B.A., University of Delaware

Michele C. Leiberman, Associate Director for Media Relations
B.A., Bryn Mawr College; M.A., American University

TBD, Website Manager

TBD, Office Manager & Public Information Assistant

Conference & Auxiliary Services

Mary Jo Colbert, Director of Conference & Auxiliary Services
B.S., Erskine College; M.S., McDaniel College

Valerie S. Westbrook, Coordinator of Conference, Camp & Event Scheduling
B.S., Virginia Wesleyan College

Terry H. Page, Events Scheduling Manager

Deborah R. Shaffer, General Manager, Food Services
B.S., Indiana University of Pennsylvania

Melvin J. Whelan, Building Services Coordinator

Development

Lawrence R. Junkin, Associate Vice President of Development
B.A., The College of Wooster

TBD, Director of Major Gifts

Gail S. Oppel, Director of Gift Planning
B.A., Goucher College

Kathleen M. Curtin, Director of Corporate & Foundation Relations
B.A., State University College of Oneonta

Vicky E. Shaffer, Director of Advancement Services

Kimberly S. Parks, Associate Director of Major Gifts
B.A., Lynchburg College

Martha Dudley Keller, Associate Director of Major Gifts
B.A., Duke University

Camilla B. Rawleigh, Associate Director of Major Gifts
B.A., University of North Carolina

Debbie V. Leazer, Associate Director of Donor Relations

Rebecca L. Myers, Assistant Director of Advancement Services
A.A., Carroll Community College

Nancy F. Johnson, Assistant Director of Prospect Research

Candy M. Sharrer, Special Events Manager

Gail E. Slater, Events Manager
B.S., University of Georgia

Education

Susan N. Travetto, Coordinator of Teacher Professional Development
B.S., University of Wisconsin-LaCrosse; M.A., Bowie State University; Ed.D., University of Maryland

Joan C. Epler, PDS Liaison, BEST Program
B.S., Towson University

Rolland H. Kiracofe, PDS Liaison, BEST Program
B.S., McPherson College; M.Ed., McDaniel College

Gay J. Love, School Liaison
B.A., M.S., McDaniel College

Donna L. McPartland, School Liaison
B.S., Towson University; M.Ed., McDaniel College

Nannabeth H. Sanders, PDS Liaison, BEST Program
B.S., Frostburg State University

Facilities Planning & Capital Projects

Edgar S. Sell, Jr., Director of Facilities Planning & Capital Improvements

George W. Brenton, Director of Physical Plant
B.A., McDaniel College

Philip R. Boob, Director of Grounds & Special Events

Darla L. Schultz, Director of Building Operations & Maintenance
B.A., Hood College

M. Elaine Simpson, Work Order Coordinator

Financial Aid

Patricia M. Williams, Director of Financial Aid
B.S., M.A.S., The Johns Hopkins University

Eleanor L. Geiman, Associate Director of Financial Aid

Mahnoor K. Ahmed, Financial Aid Counselor
B.A., Bryn Mawr College

Graduate & Professional Studies

Sherri Lind Hughes, Dean of Graduate & Professional Studies
B.A., Davidson College; M.S., Ph.D., Indiana University

Lawrence E. Hoffman, Director of Graduate Marketing and Admissions
B.S., S.I., Syracuse University; M.M.C., University of South Carolina

Alva S. Baker, III, Director, The Center for the Study of Aging
B.A., McDaniel College; M.D., University of Maryland School of Medicine

Kathleen M. Bovard, Coordinator Human Resources Development
B.A., Dickinson College; M.Ed., University of Maryland

Brian L. Lockard, Coordinator of Educational Administration
B.S., Frostburg State University; M.Ed., McDaniel College; Ph.D., The American University

Janet E. Conley, Associate Coordinator of Deaf Education
B.S., M.Ed., McDaniel College; Ph.D., New York University

Philip L. Arbaugh, Supervisor of Off-Campus Academic Services
B.S., Towson University; M.Ed., McDaniel College

Randi D. Shamer, Administrator, C&I and Off-Campus Programs
A.A., Carroll Community College

Herbert A. Phelps, Coordinator, Educational Administrative Internships
B.S., Waynesburg College; M.Ed., McDaniel College; Ed.D., Temple University

Michele Gill, PLS Liaison
B.S., Gordon College; M.S., McDaniel College

Andrew T. Barshinger, Academic Advisor, Marketing Specialist & Cohort Liaison
B.S., University of Maryland; M.S., Loyola College

Crystal L. Perry, Administrator of Graduate Records

Sarah R. Richardson, Administrative Assistant

Human Resources

Thomas G. Steback, Director of Human Resources
A.A., Marietta College; B.S., St. Francis College; M.S., McDaniel College

Juanita A. Feustel, Benefits and Employment Manager

Information Technology

Esther M. Iglich, Chief Information Officer
B.A., Queens College of CUNY; M.S., Ph.D., University of Georgia

Christine J. Mathews, Director of Technology & Administrative Processes
B.A., Salem College; M.S., Hood College

Steve A. Kerby, Director of Instructional Technology
B.A., Texas Wesleyan University

Kevin W. Clark, Colleague System Administrator
B.S., Highpoint University

Cathy S. Brown, Advancement System Administrator
A.A., Frederick Community College; B.A., M.S., Hood College

Maxine A. Groft, Systems and Network Administrator/Programmer
B.A., M.S., Hood College

Edward H. Holthouse, III, Technologies Learning Specialist

Christopher N. Palsgrove, Network Communications System Administrator

Benjamin A. Koger, Assistant Systems & Network Administrator/Programmer
B.A., Lynchburg College

Amy S. Bell, Web Advisor Administrator
B.A., Hood College

Anita A. Thiernian, Software Support
Specialist/Trainer
B.A., McDaniel College

Kellie J. Wuorinen, Student Network
Manager
A.S., Devry Institute of Technology

Kate M. Ensor, Learning Technologies
Specialist
B.A., McDaniel College; M.A., University of
Maryland Baltimore County

TBD, Help Desk Manager

M. Bruce Bell, PC Support Technician

Institutional Advancement

Richard G. Kief, Vice President, Institutional
Advancement
B.S., St. Joseph's University

Beverly G. Staub, Executive Secretary
B.S., Shippensburg University

International Programs

Rose R. Falkner, Director of International &
Off-Campus Study
B.A., College of Notre Dame of Maryland;
M.Ed., Kent State University

Library

Michele M. Reid, Director of Hoover Library
B.A., University of Central Florida; M.A.,
University of South Florida; M.A.,
Rutgers University

Linda J. Garber, Supervisor of Acquisitions
B.S., Towson University

Barbara J. O'Brien, College Archivist
A.A., Green Mountain College; B.A., University
of Maryland Baltimore County

M. Roxane Brewer, Supervisor of Cataloging

Lisa M. Russell, Supervisor of Interlibrary
Loan
B.A., University of Maryland Baltimore County

Heshmat Badiee, Coordinator of Audio-
Visual Services

Math/Computer Science

Carolyn B. Boner, Director, Math Proficiency
Program
B.S., Wittenberg University; M.A.T., Indiana
University

Military Science

Herbert L. Harris, Operations
Officer/Recruiter
B.A., Towson University

President's Office

Joan Develin Coley, President
A.B., Albright College; M.Ed., Ph.D.,
University of Maryland

Mary Ann Friday, Executive
Assistant/Secretary of the College and the Board

Susan J. Cullison, Executive Secretary/
Assistant Secretary of the College and the Board

Purchasing and Support Services

Margaret G. Bell, C.P.M., Director of
Purchasing & Receiving
B.A., University of Maryland

Larry S. Shockney, Manager, Printing &
Mailing Services

Beverly J. Herndon, Support Services
Assistant, Central Services

Registrar

Jan A. Kiphart, Registrar
B.S., Colorado State University

Diane M. Vaccaro, Associate Registrar
B.A., M.L.A., McDaniel College

Sheila R. Deane, Administrator for Graduate
Registration

Stephanie A. Clark, Assistant Registrar for
Data Management
B.S., Salisbury University; M.B.A., Hawaii
Pacific University

Residence Life

TBD, Director of Residence Life

Emerald L. Christopher, Residence Life Coordinator
B.A., University of Delaware

Jenna Lee K. Fredericks, Residence Life Coordinator
B.A., Susquehanna University

Lisa N. Jackson, Residence Life Coordinator
B.S., Illinois State University; M.A., Governors State University

TBD, Residence Life Coordinator

Student Academic Support Services

Kevin D. Selby, Director, Student Academic Support Services
B.S., Frostburg State University; M.S., McDaniel College

Susan C. Dorsey, Associate Director, Student Academic Support Services
B.A., University of Maryland, Baltimore County; M.S., McDaniel College

Carole A. Waddell, Learning Specialist, Student Academic Support Services
B.S., University of Maryland College Park

Lynda M. Casserly, Coordinator of Interpreting/Transcribing Services
B.S., Saint Bonaventure University

Student Affairs

Beth R. Gerl, Vice President & Dean of Student Affairs
B.A., Illinois Wesleyan University; M.S., Illinois State University

Elizabeth S. Towle, Associate Dean of Student Affairs
B.A., Assumption College; M.A., University of Vermont

TBD, Administrative Assistant

Emeriti

The dates in parentheses following the listing of each person are the dates of first appointment and retirement. Persons are listed in order of retirement from the College.

Emeriti Administration

Philip Elwood Uhrig, B.A., M.Ed.
Director of Alumni Affairs Emeritus (1949-1980)

Philip Blettner Schaeffer, B.A.
Vice President for Business Affairs & Treasurer Emeritus (1959-1982)

Leonard Stanley Bowsley, Jr., B.A., M.Ed., Ph.D., Dean of Graduate Affairs & Professor of Education Emeritus (1969-1989)

Bernice Talbott Beard, B.A., M.L.A.
Executive Assistant to the President/Secretary of the Board and College Emerita (1962-1989)

Donna Duvall Sellman, B.A., M.A.
Director of Alumni Affairs Emerita (1980-1999)

Philip Robinson Sayre, B.A., M.Ed., Ph.D.
Vice President & Dean of Student Affairs Emeritus (1984-2006)

Emeriti Faculty

Jacques Theophile De Rasse, Baccalaureat es Lettres, Certificat d'Aptitude Pédagogique de Lille, Licence de l'Académie de Paris, Mention Honorable en Pédagogie de l'Académie de Paris
Assistant Professor of French Emeritus (1963-1976)

Jean Kerschner, A.B., Ph.D.
Professor of Biology Emerita (1952-1980)

Julia Taylor Hitchcock, B.Mus.Ed., B.Mus.
Assistant Professor of Music Emerita (1960-1985)

David Ralston Cross, B.A., M.A., Ph.D.
Professor of Chemistry Emeritus (1964-1989)

Arleen Heggemeier, B.Mus., M.Mus., D.Mus.
Professor of Music Emerita (1950-1989)

Donald Richard Zauche, B.A., M.A.
Assistant Professor of Foreign Languages
Emeritus (1965-1989)

Carl Leo Dietrich, B.Mus., M.Mus.
Associate Professor of Music Emeritus (1967-1991)

McCay Vernon, B.A., M.S., M.A., Ph.D.,
Litt.D.
Professor of Psychology and Director of the
Western Maryland College Institute on Hearing
Impairment Emeritus (1969-1991)

George Theodore Bachmann, Jr., B.A.,
M.A., M.S.L.S.
Associate Professor of Library Science &
Librarian Emeritus (1971-1993)

Eleanor Nace Richwine, B.S.Ed., M.S.
Instructor of Library Science and Librarian
Emerita (1970-1993)

William Thomas Achor, B.S., M.S., Ph.D.
Professor of Physics Emeritus (1965-1994)

Melvin Delmar Palmer, B.A., M.A., Ph.D.
Professor of Comparative Literature Emeritus
(1965-1994)

Helen Bickel Wolfe, B.S., M.S., Ed.D.
Associate Professor of Education Emerita (1980-1994)

Ira Gilbert Zepp, Jr., B.A., B.D., Ph.D.
Professor of Religious Studies Emeritus (1963-1994)

Franklin Glendon Ashburn, B.A., M.S.,
Ph.D.
Professor of Sociology Emeritus (1971-1995)

Donald Robert Rabush, B.A., M.Ed., Ed.D.
Professor of Education Emeritus; Lawrence J.
Adams Distinguished Chair in Special
Education (1973-1995)

Samuel "Tim" L. Weinfeld, A.B., A.M.
Associate Professor of Dramatic Art Emeritus
(1970-1996)

Harold Ray Stevens, B.A., Ph.D.
Professor of English Emeritus (1966-1997)

Richard Allen Clower, B.A., M.S., Ed.D.
Professor of Exercise Science & Physical
Education Emeritus (1956-1998)

Cornelius Paul Darcy, B.A., M.A., Ph.D.
Professor of History Emeritus (1963-1998)

James Edward Lightner, B.A., A.M., Ph.D.
College Historian and Professor of Mathematics
Emeritus (1962-1998)

Raymond Clarence Phillips, Jr., A.B.,
M.A., Ph.D.
Professor of English Emeritus (1963-1998)

Carol Jean Quinn, B.A., M.A., M.A.
Associate Librarian Emerita (1972-1998)

Ronald Keith Tait, B.A., M.A., Ph.D.
Associate Professor of Sociology Emeritus
(1968-1998)

Robert Joseph Weber, B.S., M.A., Ph.D.
Professor of Political Science & International
Studies Emeritus (1969-1998)

Stephen Wheeler Colyer, A.B., M.A.,
Ph.D.
Associate Professor of Psychology Emeritus
(1970-1999)

Joan Rita Weyers, B.S., M.Ed.
Assistant Professor of Exercise Science and
Physical Education Emerita (1963-1999)

Alton Dennis Law, B.S., M.S., Ph.D.
Professor of Economics Emeritus (1966-2000)

Richard W. Dillman, B.E.S., M.S.
Associate Professor of Communication Emeritus
(1981-2001)

Harold David Neikirk, A.B., M.A., M.L.S.
Librarian Emeritus (1987-2002)

Howard Bernard Orenstein, B.A., M.A.,
Ph.D.
Associate Professor of Psychology Emeritus
(1971-2002)

Nancy Baugh Palmer, B.S., M.A.
Senior Lecturer of English Emerita (1965-2002)

William Clinton Chase, A.B., J.D., Ph.D.
Associate Professor of History Emeritus (1981-2003)

Wasyli Palijczuk, B.A., M.A., M.F.A.
Professor of Art Emeritus (1967-2003)

Daniel Anthony Williams, B.A., M.A., Ph.D.

Associate Professor of Foreign Languages
Emeritus (1972-2003)

Laurence Ching-Fang Wu, B.A., M.A., Ph.D.

Associate Professor of Philosophy & Religious
Studies Emeritus (1976-2003)

Howard Samuel Case, B.S., M.Ed., Ph.D.
Professor of Exercise Science & Physical
Education Emeritus (1965-2004)

Linda Ruth Eshleman, B.S., M.A., Ph.D.
Professor of Mathematics and Computer
Science Emerita (1969-2005)

Robert Patrick Reed, B.A., M.A., Ph.D.
Associate Professor of History Emeritus (1989-
2005)

Jack E. Clark, B.S., M.S., Ph.D.
Associate Professor of Mathematics and
Computer Science Emeritus (1978-2005)

Robert W. Sapora, B.A., M.A., Ph.D.
Professor of English/Communication Emeritus
(1971-2006)

George Samuel Alspach, Jr., A.B., M.S., Ph.D.
Professor of Biology Emeritus (1969-2006)

David Webb Herlocker, B.A., M.S., Ph.D.
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Marc G. Rasinsky, Adjunct Lecturer in Philosophy, B.A., University of Maryland; J.D., University of Maryland School of Law.

Robert D. Resau, Adjunct Lecturer in Biology, B.S., The King's College; M.S., Ph.D., University of Maryland, College Park.

Barbara Runkle, Adjunct Lecturer in Biology, B.S., New Mexico State University; M.S., Washington State University.

James P. Ryon, Adjunct Lecturer in Music, B.M., East Carolina University; M.M., Peabody Conservatory of Music; D.M.A., The Catholic University of America.

Valerie Saint-Amand, Adjunct Lecturer in Philosophy, B.A., Florida Atlantic University; M.A., Binghamton University.

Nannabeth H. Sanders, Adjunct Lecturer in Education, B.A., Frostburg State University.

Susan Sanner, Adjunct Lecturer in Education, B.S., Towson University; M.A., Hood College.

Sarah A. Savage, Adjunct Lecturer in Chemistry, B.S., Eastern Connecticut State College; M.S., University of New Haven.

Sharon Schaeffer, Adjunct Lecturer in Education, B.S., McDaniel College; M.Ed., Towson University.

Carolyn G. Seabolt, Adjunct Lecturer in Education, B.F.A., M.F.A., Maryland Institute College of Art.

Jonathan D. Seligman, Adjunct Lecturer in Music, B.S., Regents College; M.A., Berklee College.

Clark R. Shaffer, Adjunct Lecturer in Business Administration, B.A., University of Maryland, Baltimore County; J.D., University of Maryland Law School.

Catherine Beck Shoup, Adjunct Lecturer in Communication, B.A., Washington College; M.A., M.S., University of California.

Deborah D. Shuford, Adjunct Lecturer in Communication, B.A., Rutgers University; M.A., American University.

Ivania M. Stack, Adjunct Lecturer in Theatre Arts, B.A., George Mason University.

Sandra Stempel, Adjunct Lecturer in Physics, B.S., Indiana University; M.S., The Johns Hopkins University.

Janette M. Sullivan, Adjunct Lecturer in Exercise Science and Physical Education.

William Sunday, Adjunct Lecturer in Philosophy, B.A., Virginia Commonwealth University.

Gary N. Toller, Adjunct Lecturer in Physics, B.S., Dickinson College; M.S., Ph.D., State University of New York.

James E. Torretti, Adjunct Lecturer in Education, B.S., The Pennsylvania State University.

Silvia Upton, Adjunct Lecturer in Foreign Languages, M.A., Augsburg University.

Debra M. Vickers, Adjunct Lecturer in Education, B.S., Towson University.

Deana M. Villani, Adjunct Lecturer in Communication, B.A., McDaniel College; M.S., West Chester University.

Jennie Walker, Adjunct Lecturer in Environmental Policy and Science, B.A., M.A., Salisbury University.

Bradford I. Webb, Adjunct Lecturer in Business Administration, B.S., University of Central Florida; J.D., Stetson University College of Law.

David W. Weigelt, Adjunct Lecturer in Art.

Rachel Wentz, Adjunct Lecturer in Education, B.A., McDaniel College; M.A., Wake Forest University.

Vicki Winner, Adjunct Lecturer in Education, B.S., Philadelphia College of Bible; M.A., California State University.

Elijah G. Wirth, Adjunct Lecturer in Music, B.M., M.M., Peabody Conservatory.

Patricia A. Wolf, Adjunct Lecturer in Education, B.A., McDaniel College.

Anthony Maurice Worthy, Adjunct Lecturer in Military Science, B.S., West Point.

Pamela H. Zappardino, Adjunct Lecturer in Psychology, B.A., McDaniel College; M.A., Ph.D., University of Rhode Island.

Carol N. Zaru, Adjunct Lecturer in Arabic, B.S., Oakland University.

Heather Zophy, Adjunct Lecturer in Education, B.S., M.A., East Carolina University.

Visiting Faculty

Christian J. Anderson, Sr., Visiting Lecturer of Education, B.A., Morgan State University; M.A., College of Notre Dame of Maryland.

Michael A. Brittingham, Visiting Assistant Professor of Political Science and International Studies, B.A., University of Pittsburgh; M.A., Northeastern University; Ph.D., University of Pittsburgh.

Jeremy A. Kiene, Visiting Lecturer in Humanities and Coordinator, Graduate Master of Liberal Arts Program, B.A., Regis University; M.A., Ph.D., University of Notre Dame.

Brett A. McMillan, Visiting Assistant Professor of Biology, B.A., Berea College; M.S., University of Florida.

Kristin L. Nelson, Visiting Assistant Professor of Psychology, B.A., Harvard University; Ph.D., University of California, Berkeley; Ph.D., Stanford University.

Marilyn Kroeger Smith, Visiting Assistant Professor of Chemistry, B.A., St. Olaf College; M.S., Ph.D., University of Nebraska.

Margaret Trader, Visiting Associate Professor of Education, B.A., M.Ed., McDaniel College; Ph.D., University of Maryland.

Jakub Zejmis, Visiting Assistant Professor of History, B.S., Georgetown University; M.A., Columbia University; M.A., University of Notre Dame; Ph.D., Georgetown University.

The Budapest (Hungary) Campus

Administration

László V. Frenyó, Dean of the Faculty of the Budapest campus, DVM., Szent – István University, Budapest; Ph.D., Hungarian Academy of Science. (2000)

Gábor Zoltán Drexler, Director of Administrative Affairs, M.A., Eötvös Loránd University of Liberal Arts and Sciences; M.A., School of Political Science, Budapest. (1994)

Judith K. Mandy, Director of Academic and Student Affairs, B.A., Grove City College; M.A., Ph.D., Lehigh University. (1999)

Faculty

Matthew Adamson, Political Science, B.A. James Madison University; M.A., Ph.D., Indiana University; Ph.D., James Madison University. (2006)

László Arató, Fine Arts, M.A., Eötvös Loránd University of Liberal Arts and Sciences. (1995)

István Balogh, Studio Art, M.A., Ph.D., Technical University Budapest. (2007)

Ottília Boross, Psychology, M.A., Eötvös Loránd University of Liberal Arts and Sciences. (2000)

John Ernest Creighton Collins, Business Administration, M.Sc.Ed., University of Oxford. (1995)

Gábor Zoltán Drexler, Communication, M.A., Eötvös Loránd University of Liberal Arts and Sciences; M.A., School of Political Science, Budapest. (1994)

András Farkas, Statistics, M.S., Technical University, Budapest; Ph.D., Budapest University of Technology and Economics. (2001)

Alex Fehér, Business Administration, B.S., University of Connecticut; M.B.A., Case Western Reserve University, Budapest. (2005)

László V. Frenyó, Professor of Immunophysiology, DVM., Szent – István University, Budapest; Ph.D., Hungarian Academy of Science. (2000)

Judit Gergely, Economics, M.A., Ph.D., Budapest University of Economics. (2005)

Hogan Hayes, English, B.A., University of Wisconsin; M.A., University of California. (2004)

Laszlo Horvath, Economics, M.S., Ph.D., Budapest University of Economics. (1998)

István Juhász, Studio Art, Master Designer, Hungarian University of Arts and Design. (2007)

Aladár Madarász, Economics, Ph.D., University of Economics Budapest. (2005)

Cristina Medilo Kiss, Economics, M.A., University of the Philippines. (2005)

Márta Láng-Lázi, Mathematics, B.S., Budapest University of Economics; Ph.D., Hungarian Academy of Sciences. (1994)

Judith K. Mandy, English, B.A., Grove City College; M.A., Ph.D., Lehigh University. (1999)

Jay Miller, Physical Education, B.A., City University of New York. (1998)

Michael Walter Mitchell, English, B.A., University of California, Irvine; M.Ed., University of California, Los Angeles. (1997)

László Nyitray, Biology, M.Sc., Ph.D., Eötvös Loránd University of Liberal Arts and Sciences, Budapest. (2000)

Andrea Pető, History, Sociology, M.A., Marx University of Economics; Ph.D., Eötvös Loránd University of Arts and Sciences. (2002)

László Sándor Pintér, History, Diploma, Sverdlovsk Law School, USSR; M.A., Harvard University; J.D., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., Hungarian Academy of Sciences. (1994)

Attila Pók, History, M.A., Ph.D., Eötvös Loránd University of Liberal Arts and Sciences. (1994)

Réka Ránky, Physical Education, B.S., Budapest Business School; M.S., University of Physical Education, Budapest. (2004)

Mariann Rigó, Economics, M.S., Budapest University of Economic Sciences and Public Administration; M.A., Central European University, Budapest. (2005)

András Ringler, General Science, University Doctor in Physics, József Attila University Szeged; Candidate of Biological Sciences (Ph.D.), Academy of Hungarian Sciences. (2002)

Jolán Róka, Communication, M.A., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., Hungarian Academy of Sciences. (1998)

Pál Rózsa, Mathematics, M.S., Technical University; Ph.D., Hungarian Academy of Sciences. (1994)

János Salamon, Philosophy, B.A., Hunter College; M.A., New York University; Ph.D., City University of New York. (2002)

Peter Schimert, Political Science, B.A., Wake Forest University; M.A., Ph.D., University of North Carolina, Chapel Hill. (1997)

Márta Siklós-Barta, English, M.A., Eötvös Loránd University of Liberal Arts and Science. (2000)

Sándor Surányi, Economics, M.S., University of Economics; Ph.D., Hungarian Academy of Science. (1996)

Gabriella Szép, Mathematics, M.S., Eötvös Loránd University of Liberal Arts and Sciences. (2000)

Gabriella Szigethy, Art History, M.A., ELTE University, Budapest. (2003)

János Szirmai, Art History, M.A., Ph.D., Eötvös Loránd University of Liberal Arts and Sciences. (1997)

Csaba Törő, Law, M.A., University of Economics; LL.M., Eötvös Loránd University of Liberal Arts and Sciences. (2000)

Tamás Tóth, Economics, M.A., D.A., University of Economics; Ph.D., Hungarian Academy of Science. (1994)

Gergely Viczián, Computer Science, Multimedia; Ph.D., Technical University of Budapest. (2001)

Berne Weiss, Psychology, B.A., Goucher College; M.S., University of San Francisco; M.S., California School of Professional Psychology. (2002)

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 The Evelyn Pusey Ruark Endowment
 The Samuel and J. Corinne Schofield Memorial Endowment in Chemistry
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 The Award for Excellence in Chemistry or Biochemistry
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 The Michael and Polly Beaver Award for Excellence in Education
 The Margaret Fredrich Blizzard Memorial Art Competition
 The Elizabeth Lintz Burkhardt Memorial Service Award
 The H. Samuel Case '63, M.Ed. '66 and Susan Snodgrass Case '65, M.Ed. '84 Award for Excellence in Scholarly Research
 The Richard A. Clower Award for Excellence in Exercise Science and Physical Education
 The Joan Develin Coley Award for Excellence in Education
 The David Brian Cross Memorial Award for Achievement in Mathematics
 The Distinguished Teaching Award
 The James P. Earp Sociology Award
 The Eloise B. and Lowell S. Ensor Award for Graduate or Professional Study
 The Lynn F. Gruber Medal
 The Charles W. Havens Award
 The Dr. Reuben Holthaus Award in Philosophy
 The Ralph Candler and Dorothy Prince John Award for Academic Excellence and Service to the College Community
 The Dr. Henry P. and Page Laughlin Special Awards
 The Mary Ward Lewis Prize
 The Makosky Award for Excellence in English
 The Frank and Margaret Malone Award for Excellence in a Foreign Language
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 The Philip E. and Ruth Shreeve Uhrig Green and Gold Soccer Achievement Award
 The United States History Award
 The Michael L. Waghelstein Memorial Award
 The Robert Joseph Weber Award for Excellence in Political Science and International Studies
 The Mr. and Mrs. Harold F. Wentz Most Promising Art Freshman Prize
 The Kathryn E. Wentz Art Awards
 The Michael Whitmore Memorial Award
 The Steve Robert Wilson Memorial Award
 The Barry A. Winkelman Memorial Award

Annual Scholarships

The BB&T Scholarship
 The Baltimore Alumni Chapter Scholarship
 Barnes and Noble Annual Scholarship
 The Roscoe G. Bartlett Scholarship
 The Board of Beneficence of St. John's I.M.P. Church Scholarship
 The Frederick W. Callahan Memorial Scholarship
 The Chevy Chase Bank Scholarship
 The Coca-Cola Scholarship Fund
 The John Crooms Annual Scholarship Fund
 The Robert M. Gagnon '71 Annual Scholarship Fund
 The Gudelsky Family Foundation Scholarship
 The Otto and Jan Guenther Scholarship Fund
 The Kevin and Susanne Laws Haga Annual Scholarship Fund
 The Billie-Mae Gill Klein '59 Scholarship
 The Richard and Judith Callahan Klitzberg Annual Scholarships
 The Samuel and Lillian Klitzberg Memorial Scholarship
 The Legg Mason Scholarship
 The Loats Foundation Scholarship
 The MacPherson Annual Scholarship
 The Nationwide Scholarship
 The T. Rowe Price Associates Foundation, Inc. Scholarship
 The Ina Puleri '04 International Student Annual Scholarship
 The Robert W. Schaefer Scholarship
 The Deborah Dale Seidel '84 and Ethan Seidel Scholarship
 The Verizon Reads Scholarship

Academic Calendar

Summer Term 2007

(The summer schedule may vary for off-campus classes)

Summer Session 1	Tuesday, May 29-Friday, July 20
Summer Session 2	Tuesday, May 29-Saturday, June 23
Summer Session 3	Monday, June 25-Friday, July 20
Graduate Fall Registration begins.	Sunday, July 1
No classes	Wednesday, July 4
Graduate Comprehensive Exams	Saturday, July 21
Summer Session 4	Monday, June 25-Friday, August 3

Fall Semester 2007

Opening Faculty Meeting and Introduction Convocation	Wednesday, August 22
Opening Reception	Friday, August 24
Orientation	Wednesday, August 22 thru Sunday, August 26
Undergraduate and Graduate classes begin ...	Monday, August 27
Labor Day—no classes	Monday, September 3
Last day to add a class, 4:30 p.m.	Wednesday, September 5
Last date for course drops & Credit/Fail, 4:30 p.m.	Monday, September 17
January Term registration	Monday, September 24 thru Friday, September 28
Families Weekend.	Saturday & Sunday, September 29-30
No classes	Monday & Tuesday, October 15-16
Mid semester grades are due in the Registrar's Office, 12 Noon	Wednesday, October 17
Graduate Comprehensive Exams	Saturday, October 20
Homecoming	Saturday, October 27
Last date for withdrawal from courses with "W" grade, 4:30 p.m.	Monday, October 29
Spring Undergraduate registration	Monday, November 5 thru Friday, November 16
Thanksgiving recess begins, 10:00 p.m.	Tuesday, November 20
Classes resume, 8:00 a.m.	Monday, November 26
Spring Graduate registration begins	Saturday, December 1
Undergraduate classes end	Friday, December 7
Reading Days	Saturday & Sunday, December 8 & 9
Undergraduate examinations begin	Monday, December 10
Graduate semester ends	Monday, December 10
Graduate final grades due in Registrar's Office, 10 a.m.	Wednesday, December 12
Undergraduate semester ends	Friday, December 14
Undergraduate final grades due in Registrar's Office, 10 a.m.	Tuesday, December 18

January Term 2008

January Term begins, 10 a.m..... Thursday, January 3
Last day for course changes, 4:30 p.m..... Friday, January 4
Last date for withdrawal from course
 with "W" grade, 4:30 p.m..... Monday, January 7
College Holiday—no classes-
 Martin Luther King, Jr., day. observed Monday, January 21
January Term Ends. Wednesday, January 23
January Term final grades due in
 Registrar's Office, 10 a.m..... Wednesday, January 30

Spring Semester 2008

Undergraduate and Graduate classes begin Monday, January 28
Last day to add a class, 4:30 p.m..... Tuesday, February 5
Last date for course drops and
 Credit/Fail, 4:30 p.m..... Monday, February 18
Spring Undergraduate recess begins, 7 p.m.... Friday, March 14
Spring Graduate recess begins, 5 p.m. Saturday, March 15
Mid semester grades are due in
 the Registrar's Office, 12 Noon Tuesday, March 18
Graduate Comprehensive Exams Saturday, March 22
Classes resume, 8:00 a.m..... Monday, March 24
Last date for withdrawal from course
 with "W" grade, 4:30 p.m..... Friday, March 28
Summer Graduate registration begins Tuesday, April 1
Fall Undergraduate registration Monday, April 7 thru Friday, April 18
Spring Undergraduate Awards Sunday, April 27
Honors & Investiture Convocation Sunday, May 4
Graduate classes end. Thursday, May 8
Undergraduate classes end Friday, May 9
Reading days Saturday & Sunday, May 10 & 11
Undergraduate examinations begin Monday, May 12
Graduate final grades due in the
 Registrar's Office, 10 a.m..... Tuesday, May 13
Undergraduate semester ends. Friday, May 16
Undergraduate final grades due in
 the Registrar's Office, 10 a.m..... Tuesday, May 20
Senior Week Sunday, May 18 thru Friday, May 23
Baccalaureate Service Friday, May 23
Commencement. Saturday, May 24

Key Administrators and Services

All may be reached through the College direct phone line: 410/848-7000, 410/876-2055
Events and Sports line: 410/857-2766
Fax: 410/857-2729
Web site: <http://www.mcdaniel.edu>

You may write to any individual or service in care of: McDaniel College, 2 College Hill, Westminster, MD 21157-4390

ACADEMIC WORK AND PROGRESS:

Thomas M. Falkner, Provost and Dean of the Faculty
Henry Reiff, Dean for Student Academic Life
Sarah E. Stokely, Assistant Dean of First Year Students

ADMISSIONS:

Florence W. Hines, Vice President, Enrollment Management and Dean of Admissions

ATHLETICS:

Jamie Smith, Director of Athletics

CAMPUS SAFETY:

Michael Webster, Director

COLLEGE ACTIVITIES:

Mitchell Alexander, Director of College Activities

COLLEGE BILLS:

Susan Schmidt, Student Accounts/Bursar

COMMUNICATIONS AND MARKETING:

Joyce E. Muller, Associate Vice President, Communications and Marketing

COUNSELING AND CAREER SERVICES:

April Johnson, Director of Career Advising
Susan Glore, Director of Counseling

FINANCIAL AID:

Patricia Williams, Director of Financial Aid

STUDENT ACADEMIC SUPPORT SERVICES:

Kevin Selby, Director

FOOD SERVICES:

Deborah Shaffer, General Manager

FRATERNITIES AND SORORITIES:

Mitchell Alexander, Director of College Activities

GENERAL INFORMATION:

Information Desk, Decker College Center

GIFTS:

Richard Kief, Vice President for Institutional Advancement

HEALTH SERVICES:

Herbert P. Henderson, M.D.
Joan M. Lusby, PA-C
Luanne A. Frebertshauser, R.N.
Dana D. Plevyak, R.N.

HOUSING DIRECTOR:

Elizabeth Towle, Associate Dean of Student Affairs

LIBRARY SERVICES:

Michele M. Reid, Director of Hoover Library

JANUARY TERM:

Office of the Registrar

MOTOR VEHICLE REGISTRATION:

Campus Safety Office

NOTARY SERVICES:

Theresa McAndrew, Finance Office

PARENTS BOARD:

Beth Gerl, Vice President & Dean of Student Affairs

PARKING:

Campus Safety Office

POST OFFICE:

Larry Shockney, Manager

PRESIDENT:

Joan Develin Coley

STUDENT RECORDS AND TRANSCRIPTS:

Office of the Registrar

STUDENT SERVICES:

Beth Gerl, Vice President & Dean of Student Affairs

TITLE IX COORDINATOR:

Susan Bloom, Art Department

WITHDRAWAL:

Office of Academic Affairs

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Directions to Campus

Mileage

From Baltimore	31 miles
From Columbia	36 miles
From Gettysburg	24 miles
From New York	218 miles
From Northern Virginia, Fairfax, Arlington	70 miles
From Philadelphia	136 miles
From Washington	56 miles
From Wilmington	100 miles

Both Washington, D.C., and Baltimore, Maryland, are served by major airlines and Amtrak. Westminster is a short drive from both cities.

FROM BALTIMORE: Take I-695 (Baltimore Beltway) to Exit 19 onto I-795 North (Northwest Expressway), continue to its completion. Follow signs to Westminster via Route 140 West around Westminster, and turn left exiting onto Route 31. Make a left at the first traffic light - onto Main Street. Drive 3/10 of a mile and turn right into Admissions Visitor Parking. The Office of Admissions is located in Carroll Hall, the Victorian-style red brick building.

FROM WASHINGTON D.C.: From the Washington Beltway (I-495), exit onto I-270 North toward Frederick, then onto Route 27 North towards Damascus (Exit 16). Take Route 27 North to Westminster (approximately 35 miles from Damascus). Turn left at the intersection of Routes 27 and 32, and drive 1/2 mile. Bear right, continuing on Main Street, and make a left into Admissions Visitor Parking. The Office of Admissions is located in Carroll Hall, the Victorian-style red brick building.

FROM THE NORTH: From U.S. 15 at Gettysburg, exit onto Route 97 South. Follow 97 to Route 140 West and exit left onto Route 31. Make a left at the first traffic light - onto Main Street. Drive 3/10 of a mile and turn right into Admissions Visitor Parking. The Office of Admissions is located in Carroll Hall, the Victorian-style red brick building.

Information

For more information on programs, admission, financial aid, or planning a visit to McDaniel College, please call or write:

Dean of Admissions
McDaniel College
2 College Hill
Westminster, MD 21157-4390
800/638-5005 (toll free)
410/848-7000 V/TDD
FAX: 410/857-2757
E-mail: admissions@mcdaniel.edu
Web site: <http://www.mcdaniel.edu>

McDaniel College, in compliance with Federal and State laws and regulations governing affirmative action and non-discrimination, does not discriminate in the recruitment, admission, and employment of students, faculty, and staff in the operation of any of its educational programs and activities as defined by law. Accordingly, nothing in this publication should be viewed as directly or indirectly expressing any limitation, specification, or discrimination as to race, religion, color, or national origin, or to disability, age, sex, sexual orientation, or status as a disabled or Vietnam-era veteran. Any inquiries regarding the above may be directed to the Director of Affirmative Action.

The College reserves the freedom to change any programs, policies, requirements, or regulations published in this catalog.

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McDaniel College at a Glance

Character: McDaniel College is one of 40 colleges nationwide to receive recognition in former *New York Times* education writer Loren Pope's book, "Colleges That Change Lives." McDaniel is a private four-year college of the liberal arts and sciences founded in 1867 as Western Maryland College. In this close-knit community, you'll find exceptional academic programs and professors who are attentive mentors.

Location: 30 miles northwest of Baltimore, 56 miles north of Washington, D.C. The 160-acre campus overlooks Westminster, Maryland, Carroll County's largest town and county seat.

Class Size: The average class size is 17 students; the student-faculty ratio is 12-1; first-year seminars are limited to 15 students.

Students: 1,700 students from 31 states and 11 countries; 45 percent men, 55 percent women; 80 percent live on campus and more than one-quarter compete on one of 24 athletic teams.

Faculty: 110 full-time professors; 96 percent hold the most advanced degrees in their disciplines. All courses and laboratories are taught by regular faculty members, not teaching assistants.

Honor Societies: One of only 276 U.S. colleges and universities with a Phi Beta Kappa chapter. Also on campus are 20 other honor societies that recognize accomplishments in academics and leadership.

Honors Program: Students with outstanding academic records and standardized-test scores are invited to apply for the Honors Program. Members take specially designed courses, participate in special activities, and may reside in common housing.

Research Opportunities: Each year students and their professors across all disciplines collaborate on more than 200 research

projects. Many students are published co-authors of professional papers before they receive their degrees.

Programs of Study: McDaniel College offers more than 60 programs of study, including teacher certification and student-designed majors. Among the choices, seven are pre-professional programs including pre-med, pre-law, pre-engineering, and pre-deaf education.

Off-campus Programs: The College offers countless opportunities for off-campus study both within the United States and overseas. Among them: our own campus in Budapest, Hungary.

Athletics: 12 men's and 12 women's teams compete in Division III of the NCAA and the Centennial Conference. Since 2004, McDaniel has captured Centennial Conference team titles in football, women's basketball, men's and women's golf and softball, and many McDaniel athletes have earned individual conference championships.

Activities: More than 100 student groups, clubs and organizations; 14 percent of students belong to sororities and fraternities.

Financial Aid & Scholarships: 85 percent of students receive grants, scholarships, loans, or work-study employment. About 60 percent receive need-based awards, from \$200 to full tuition, annually. The College awards more than \$18 million each year through its scholarship and grant programs.

Accreditation: McDaniel is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools.

By the way: While you're at McDaniel, it's likely you'll have a hand in consuming the more than 3,600 pizzas that disappear in the dining hall each semester.



MCDANIEL
COLLEGE

Founded in 1867 as Western Maryland College

2 College Hill
Westminster, MD
21157-4390

PRESORTED
BOUND PRINTED MATTER
U.S. POSTAGE PAID
WESTMINSTER, MD
PERMIT NO. 178

2213 Introduction to Literary Methods and Critical Approaches

4 credits

An introduction to literary methods and critical approaches to literature through a variety of texts written in English. Students will master vocabulary and analytical methods needed to analyze texts, understand the outlines of literary history, explore major approaches to literary criticism, and gain experience in writing critical papers. Textual Analysis.

2214 Editing and Desktop Publishing

4 credits

Exposure to workplace practices of professional editors and desktop publishers. Students gain practice with developmental editing and copywriting as well as with the production of brochures, fliers, and newsletters. Special attention is paid to the rhetorical choices that arise in the editing and publishing process.

2215, 2216 Newspaper Practicum

2 credits

This practicum is designed to provide students with real life experiences in newspaper publishing. The practicum involves story selection, research, editing, proofreading, layout, photography, graphics, ad sales and newspaper distribution. With the guidance of the instructor, students plan and create *The McDaniel Free Press*, which focuses on college life.

2220 World Literature

4 credits

A survey of global literature from the earliest times to the present. Works will vary, but representatives from the world's major literature will be included each semester. Significant eastern literary texts will be studied, but particular attention will be given to the founding texts of western literature.

International Western; Textual Analysis.

2230 Beowulf to Malory

4 credits

This course surveys the major works of English literature from the Anglo-Saxon period to the early 16th century, with attention given to their literary technique and the ways in which the works are shaped by and respond to the cultures in which they were produced. In addition to Beowulf, students will explore works by

Chaucer, the Gawain-poet, medieval women writers, Thomas Malory, and others. Social, Cultural, and Historical Understanding; Textual Analysis.

2231 Renaissance Literature

4 credits

A survey of English poetry and prose from 1530 to 1660 with attention to the development of a national literature, to the discovery of new forms of poetry and prose, and to the recurrence of significant themes. Among others, students consider the works of More, Sidney, Wyatt, Spenser, Donne, and Milton.

Prerequisite: English 2213 or permission of instructor.

Textual Analysis.

2232 Enlightenment Literature

4 credits

An exploration of the diverse body of literature after 1620 shaped by the movement toward modern scientific inquiry. Study of the writings of Enlightenment philosophers and scientists, such as Bacon, Locke and Newton, forms a basis for analysis of literary texts by Swift, Dryden, Pope, Behn, Johnson, Austen, Doyle and others. Textual Analysis.

2233 Romantics

4 credits

A survey of the revolutionary literature of the late 18th- and early 19th-century "Romantic" movement in England. Students will explore Romantic poetry and prose in its historical context, beginning by examining how writers both perpetuate and rebel against Enlightenment ideas, and ending by considering how their legacy is felt today. Authors studied include Godwin, Wollstonecraft, Blake, Wordsworth, Coleridge, Mary Shelly, P.B. Shelly, and Keats. Textual Analysis.

2234 Victorian Literature

4 credits

A survey of the major literary and historical developments of the Victorian period. Authors covered will include a selection from the following: Charlotte Bronte, Emily Bronte, Dickens, Elliot, Thackeray, Tennyson, Robert Browning, Elizabeth Barrett Browning, Hopkins, and Wilde. Social, Cultural, and Historical Understanding; Textual Analysis.

2241 American Literature I: Liberty and Slavery

4 credits

An exploration of America's most important idea: liberty. Readings from the nation's founders will be juxtaposed with accounts of colonial and early national life written by captives, slaves, transcendentalists, romancers, and poets with a focus on the idea of liberty, as the authors write it into being, exercise it, seek it, suffer from its lack, and celebrate it. Authors include Jefferson, Wheatley, Equiano, Franklin, Emerson, Stowe, Douglass, Jacobs, Hawthorne, Melville, Poe, Thoreau, Dickinson, Whitman, and Octavia E. Butler. Multicultural; Social, Cultural, and Historical Understanding; Textual Analysis.

2242 American Literature II: Realism and Naturalism

4 credits

The course presents a survey of American literature from 1865-1914. Authors include Jewett, Twain, James, Gilman, Chopin, Crane, Norris, Wharton, Dreiser, and Cather. The course will examine literary works in depth as well as explore the social, cultural, and historical forces that contributed to the creation of a vigorous native literature during the dynamic five decades between the American Civil War and World War I. Textual Analysis.

2243 American Literature III: Modern and Contemporary

4 credits

This course presents a survey of American Literature from World War I to the present. Students examine the major movements of Modernism and Postmodernism by genre, starting with poetry and moving through short stories and novels to the popular novel. Students consider these texts in their historical, social, cultural, political, economic, and psychological contexts. This survey includes readings by Frost, Stevens, Hughes, Plath, Rich, Wright, Faulkner, Cheever, O'Connor, and Morrison. Social, Cultural, and Historical Understanding; Textual Analysis.

2250 Post-Colonial Literature

4 credits

An exploration of literature written in English by people of the variety of races and cultures that once were part of the British Empire. Works covered reflect and represent their experiences and creative genius. Writers studied include Conrad, Rushdie, and Chinua Achebe. International Nonwestern; Textual Analysis.

2251 Literature by Women I

4 credits

A survey of literature written in English by women from the medieval period through the eighteenth century. Course readings include poems, speeches, memoirs, plays, and novels. Students examine selected works that explore women's evolving roles in society and the many facets of women's unique position, experience, and perspective on the world. Social, Cultural, and Historical Understanding; Textual Analysis.

2252 Popular Literature

4 credits

An examination of the literary and cultural significance of a number of sub-genres of popular literature, including the detective story, spy story, western, science fiction, fantasy, love romance, and other popular forms. Writers covered include Conan Doyle, Hammett, Christie, Fleming, Wells, and Burroughs.

2253 Southern Literature

4 credits

An examination of regional literature of the American South. Students examine the emergence and persistence of themes such as miscegenation, misogyny, racism, incest, the grotesque, and the power of the past. Writers covered include Angelou, Faulkner, O'Connor, Warren, Walker, Hurston, and Porter. Textual Analysis.

2254 Nature Writing

4 credits

A consideration of various responses to the natural world and the ways in which writers have described their encounters with it. Students focus on creative non-fiction by writers such as Thoreau and John Muir. They also have the opportunity to produce their own creative non-fiction responses to wild nature.