

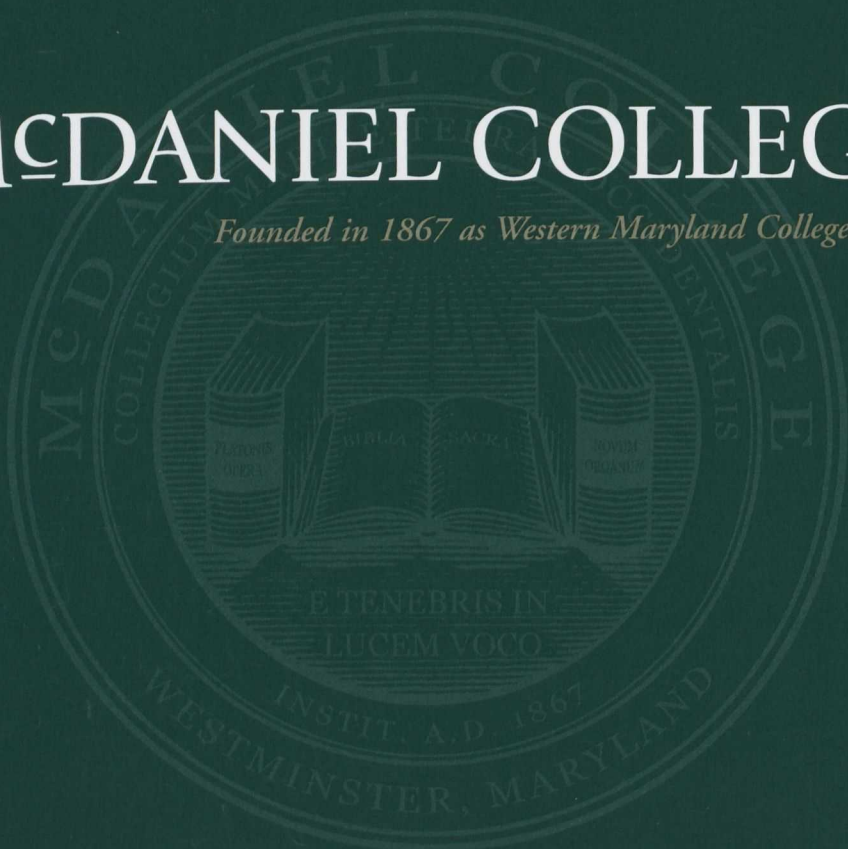
2004-2005 Undergraduate Catalog



www.mcdaniel.edu

MCDANIEL COLLEGE

Founded in 1867 as Western Maryland College



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 136-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 23 states and 19 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 1600 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.

A flexible liberal arts curriculum stresses the ability to think critically and creatively, to act humanely and responsibly, and to be expressive. Accredited by the Middle States Association of Colleges and Secondary Schools, it is listed as one of the selective national Liberal Arts Colleges by the Carnegie Foundation for the Advancement of Teaching. McDaniel is also one of 40 liberal arts colleges in Loren Pope's *Colleges That Change Lives*, and is internationally recognized 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 the recently renovated Hoover Library, with access to materials from rare books to CD-ROMs as well as Internet accounts, including an audiovisual media and microcomputing center; 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. Construction is well underway of a \$9-million multi-purpose academic building adjacent to Hoover Library. The building, which will be completed in late spring of 2005, will be the new home for the College's Graduate and Professional Studies, Education, Psychology, and Student Academic Services.

Faculty

Faculty members—90 full-time professors, 95 percent 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, allowing them ample time to spend 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. The College president, provost, dean of students, and financial vice president all teach courses. Faculty members also serve as advisers to many student organizations.

Academic Program

A flexible 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. A total of 128 credit hours is required for graduation.

First-year seminars provide students the unique opportunity to become better prepared for many facets of college life. Limited to 15 students, these courses on a variety of topics, emphasize important skills—writing, oral presentation, study skills, critical thinking, and time management. Each student concludes his or her academic program with a personal Capstone Experience which synthesizes learning from earlier studies within a chosen major.

Faculty advisers offer guidance across the curriculum and work closely with their advisees as they make decisions about course and major selections and planning strategies. Students may also request help from the Center for Career Services, which offers vocational testing, counseling, and guidance.

During the College's January Term—a three-week-long term between the fall and spring semesters—students and faculty are encouraged to 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.

Majors and Degrees

The educational programs serve students who enter with firm choices of majors or career ambitions and students who are undecided. All students take approximately 30 percent of course work in the liberal arts: humanities, natural sciences and mathematics, and social sciences. The Bachelor of Arts degree is offered in 24 major areas of study: art, art history, biology, business administration, chemistry, communication, computer science, economics, English, 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), 3–2 programs in engineering and forestry, and pre-professional programs in dentistry, law, medicine, the ministry, 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 1,000 part-time 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 Arrangements

Opportunities for off-campus study are offered through American University's Washington Semester and Drew University's Semester in New York on the United Nations. Many overseas study programs are available.

Budapest Campus

In October 1993, the College established a branch in Budapest, Hungary. This special program educates young men and women from Europe and other parts of the world who are interested in preparing for careers in the global marketplace. Located at the crossroads of central Europe, the Budapest campus, in cooperation with College International Budapest and International Studies, Inc., offers a four-year undergraduate program in several disciplines.

Honor Societies

In addition to Phi Beta Kappa, the national honor society which recognizes liberal arts scholarship of a high order, there are 19 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 26.)

Social Life

The key to college life is involvement. Seventy-eight 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 2004–2005 is \$24,500, room and board are \$5,600, the comprehensive fee is \$300, 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 competitive and preference is given to students who apply before March 15. 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/outdoor track, and wrestling. Twelve sports are available for women: basketball, cross-country, field hockey, golf, lacrosse, soccer, softball, swimming, tennis, indoor/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.

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 course work 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, bands, and dances), Second Stage (comedians, duo and solo singers/musical performers), Special Events (Welcome Back 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

There is a substantial number of organizations that 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, Equestrian Club, Forensics Team, Allies, Pom-Pon Squad, Ranger Platoon, and Maryland Student Legislative Delegation are just a few of such organizations.

The Arts

While cocurricular 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 STAY, 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 ten national and local fraternities and sororities on campus. The fraternities are Alpha Gamma Tau, Alpha Sigma Phi (national), Gamma Beta Chi, Phi Delta Theta (national), Phi Kappa Sigma (national), and Sigma Phi Epsilon (national). The sororities are Alpha Nu Omega, Phi Alpha Mu, Phi Mu (national), and Phi Sigma Sigma (national).

Approximately 20 percent of the students join the Greek-letter social organizations. Students with at least a 2.00 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 rushing, bidding, 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 Blumberg Fitness Center offers modern facilities for aerobic, weight, and fitness training.

The following facilities are available to students for group activities or individual conditioning programs or recreation:

Swimming pool	Stadium
9-hole golf course	Squash court
6 outdoor tennis courts (2 indoor)	Racquetball
Volleyball courts	2 saunas
Basketball courts	Fitness center
Track	Fencing room
Gymnasium	Dance studio
Cross-country trail	Table tennis
Baseball field	Rappelling facility
Badminton	Whirlpool

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 athlete 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 northern 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 Catocin 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.

Baltimore's theaters, concert halls, museums, libraries, and major league sporting events are about 45 minutes away as is the Inner Harbor shopping and recreational showplace, which includes the National Aquarium, Maryland Science Center, and the Pier 6 Concert Pavilion. 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. There are more than 20 colleges and universities within 70 miles of McDaniel's campus.

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 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 residence 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 and smoke-free areas, academic clusters, and 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 Residence Life Office. Upperclass students may live in North Village or the Garden Apartments, in each of which an apartment is shared by four, five, or six students and has 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.

Resident Staff

The Residence Life program is directed by five professional staff members and 28 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

Roommate preference forms requesting information about smoking or non-smoking, study habits, musical tastes, and other considerations are circulated 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 78 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 Office of Student Affairs to meet the commuter coordinator and 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. In addition to meeting with faculty advisers, students are introduced to the layout of the campus, registration procedures, programs of study, student government, student activities, student services, residence hall facilities, and a host of people ready to assist new students in settling into campus life successfully. Placement tests are given during this period. First-year seminars have their initial meetings and students are welcomed by advisers and peer mentors. There is also entertainment and a picnic. 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 the 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 snack bar 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 Smith House 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. There are no overnight accommodations.

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 has made available a comprehensive health insurance program; information about this program is circulated to all students. The College requires that the health of every student be insured.

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 center 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/tapes, 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. The Campus Safety Office is also located on the lower level.

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 400 first-year students. Among their number are international students and students beyond traditional college age. 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 by writing to:

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

by phoning toll free 1-800-638-5005, by faxing 410-857-2757, or through Admissions e-mail: admissions@mcdaniel.edu. Personal interviews, group information sessions, and campus tours are available Monday through Friday at 10 a.m. and 2 p.m. and Saturday 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;
- Aptitude and achievement tests;
- Personal traits, goals, and motivation;
- Recommendations and evaluations by principals, counselors, and teachers; and
- Participation in nonacademic activities.

All 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. The CEEB code for McDaniel College is 5898.

SAT/ACT Optional Plan

This option is open only 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 checking the appropriate box on the College paper or electronic application or by attaching a request in writing to other types of applications such as 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

A complete application for admission consists of the 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, 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 June 1. 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

Applications will also be accepted over the Internet at www.mcdaniel.edu.

The College accepts the Common Application in lieu of its own form and gives equal consideration to both. Students may obtain copies of the Common Application from their high schools or the CommonApp Web site, www.commonapp.org.

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 if the institution is accredited. No grades of D will be approved for transfer.

To transfer to McDaniel College, students should:

- submit a completed application 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 and 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 and the Nontraditional Students Organization both provide advice and support for adult students who return to college; and in addition to their regular academic advisers, two members of the faculty serve as special advisers 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; 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.

In practical terms, the College:

- seeks students with appropriate preparation from all over the world;
- awards academic scholarships to accepted international students who have demonstrated need and have outstanding academic ability;
- provides international students not only with all services available to American students (academic advising, career and personal counseling, orientation, etc.), but also makes available services to meet their special needs, including special sections of English composition and reading for non-native speakers, an International Student Adviser who serves as liaison with the U.S. Immigration and Naturalization Service, and separate international student orientation;
- responds to the special dietary and housing needs of international students;
- has access to the many religious and cultural centers of Baltimore and Washington, D.C.; and
- considers international students in its institutional planning.

In addition to the usual application materials listed above, international students must submit official copies of their scores on the Test of English as a Foreign Language (TOEFL, minimum score of 213 accepted), and results from any and all secondary school, university, and national examinations; copies of diplomas and certificates (translated in English) are also required. International students must also submit a Certificate of Finances form. Several scholarships are available to qualified international students.

The McDaniel College Budapest Program

In October 1993, McDaniel College in Westminster, Maryland, U.S.A., established a branch in Budapest, Hungary. This special program educates young men and women from Europe and other parts of the world who are interested in preparing for careers in the global marketplace. Located at the crossroads of central Europe, the Budapest campus, in cooperation with College International Budapest and International Studies, Inc., offers a four-year undergraduate program in business administration and economics, communication, and political science leading to the award of a Bachelor of Arts degree. This prime geographic location, as well as recent political and economic changes in the region, led to the decision to launch this program. It combines American business principles with student-centered liberal arts study tempered by both European and American intellectual traditions.

Students accepted into the Budapest program spend two years in Budapest and two years at the home campus in the United States. The initial two years in Budapest feature courses taught in English by highly experienced faculty who have lectured in both the United States and Europe. Successful completion of the entire four-year program results in the awarding of a B.A. degree.

The Honors Program

The Honors Program features specially designed courses each semester from freshman through junior year and a senior seminar. Honors students may live in special housing, participate in special out-of-class activities, and attend informal discussions with guest speakers. Enrollment in the Honors Program is limited and is by invitation only. Questions regarding the Honors Program should be addressed to the Admissions Office or to the Director of the Honors Program.

Advanced Standing and Placement

The College makes decisions on advanced placement in specific academic areas, excluding the Basic Liberal Arts Requirements, based primarily on the student's high school program and potential major. Although College Board achievement tests are not required for admission, they often assist in determining placement.

Advanced Placement Test

The Advanced Placement Test (APT) scores are normally accepted by the College on the following basis:

Test Score

- 5 or 4: Student may receive advanced placement plus eight hours credit (except Calculus AB and Computer Science AB receive 4 hours credit).
- 3: Student may receive advanced placement plus four hours credit (except Calculus AB receives credit as determined by the Mathematics and Computer Science Department).
- 2: The department concerned determines placement, but generally no advanced placement is given. No credit is given.
- 1: No advanced placement or credit 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 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*.

Credit in Escrow

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 Basic Liberal Arts 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 his or her 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. The family income of students currently receiving financial aid ranges from low income to high middle income. Students are admitted to the College based on academic and other nonfinancial 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.

Note: All non-need-based scholarships provided by the College are limited to one per student.

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.

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 15. Notifications of awards are generally mailed beginning in March. 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.

Since the total amount of College financial aid available in a given year is limited, it is to a student's advantage to apply for financial aid as soon after January 1 as possible. Applicants must be accepted by the College for admission before financial aid is awarded.

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 visit 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.

Note: Students must apply for financial aid by the appropriate deadline prior to each academic year in order to have their financial aid renewed. Renewal students receive notification of their financial aid awards in June. Students who were initially not eligible for financial aid or who have never applied for financial aid may do so by submitting the required forms. Students whose financial circumstances change should be aware that financial aid may change accordingly.

Academic Scholarships

The College awards more than \$10 million each year in scholarships to academically talented students. The renewable awards include scholarships, which range in value amounts from \$4,500 to full tuition. In order to renew the Academic Scholarships, a student must maintain a stipulated cumulative grade point average in their course work at the College.

First-Year Students

In order to be eligible for the scholarship awards, 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. Endowed and special scholarships that are a portion of these merit-based awards are listed beginning on page 224.

Transfers

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

College Grants

A substantial number of grants valued from \$100 to \$17,000 are awarded to students each year based upon their financial need. Endowed and special scholarships that are a portion of these need-based awards are listed beginning on page 224.

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. The grant is \$2,000 and 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, the tuition reduction will apply for each additional person.

Carroll County Scholarship

McDaniel College offers residents of Carroll County, Maryland, who are enrolled full time a \$1,500 renewable tuition scholarship. In order to receive this scholarship, the student must be a resident of Carroll County at the time the application is submitted and must maintain county residency. The residence of a dependent is determined by the residence of his or her custodial parent/guardian. A student does not have to demonstrate financial need in order to qualify.

Eagle Scout/Gold Award Scholarship

Eagle Scout and Gold Award recipients are eligible for a \$2,000 renewable tuition scholarship. In order to receive this scholarship, students must be full time and have at least a 2.50 GPA and a minimum SAT-I combined score of 1000. They are required to send a letter of recommendation from their troop leader and a copy of their certificate. The deadline for application is February 1.

Junior Achievement Scholarship

The College offers a \$2,000 Junior Achievement tuition scholarship to high school students participating in Applied Economics with at least a 2.50 GPA in school and 1060+ on the SAT-I. 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.

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.

Other State Grants

Other states which have grant reciprocity with Maryland include: Connecticut, Delaware, Maine, and Rhode Island, 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.

Loans

The Federal Perkins Loan enables the College to assist many needy students. The typical student loan granted is in the range of \$500 to \$1,700 per year. The Federal Perkins Loan carries an interest rate of 5 percent, starting at the time of repayment of principal and interest which commences for new borrowers nine months after the student ceases to be enrolled at least half time in college.

The Federal Robert T. Stafford Student Loan Program also makes low-interest loans available to students. The maximum loan amount per year is \$2,625 for a student's first-year status, \$3,500 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. The interest rate is variable, but cannot exceed 8.25 percent. 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.

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 Office bulletin board or at the individual departments.

Typical student employment includes positions such as library aides, dining hall workers, 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 financial aid 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 Scholarships

The Army Reserve Officers' Training Corps program at the College offers four-, three-, and limited 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 is \$17,000 plus textbooks and \$150 per month for up to ten months of each academic year. The College awards ROTC scholarship recipients with tuition, 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 by writing to Army ROTC Scholarships, Fort Monroe, VA 23651.

Air Force ROTC Scholarships

Air Force ROTC is available to students at the College through an agreement with the University of Maryland at College Park, Md. Students are eligible to compete for all Air Force ROTC scholarships. The two-, three-, and four-year scholarships cover tuition at both institutions and all required textbooks. They also provide \$150 per month subsidy, and pay for pilot and navigator training programs. Students who are interested in Air Force ROTC should contact the Military Science department at McDaniel College.

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 an installment plan for convenience in paying college expenses and also provides information on commercial tuition payment plans. (See College Expenses: Payment of Bills.)

This financial aid information was correct at the time this catalog was written. Changes in required forms, filing dates, amounts of money 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. Full-time undergraduates are entitled to enroll in one January Term without paying additional tuition. For information concerning our January Term, please refer to page 38 or the January Term catalog.

Tuition and Payment of Bills

Full-time students are charged a flat tuition fee of \$12,250, and a comprehensive fee of \$150 per semester. The tuition for part-time and special students is \$766 per credit hour. Students who are at least 24 years of age and are seeking an undergraduate degree are eligible for a reduced tuition rate. Students who meet these criteria qualify to enroll for the first 12 undergraduate credits at one-half the part-time tuition rate.

Nondegree-seeking students who meet the aforementioned criteria and who additionally have no previous college credits are eligible to take one undergraduate course (4 credits) tuition free and are required to pay a nonrefundable \$30 deposit. To apply for these grants, students should contact the Admissions Office.

McDaniel College divides basic charges into two half-year billings, the first payable by August 9, 2004, and the second by January 7, 2005. 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 preregister for the following semester during assigned periods as outlined in the Registrar's Schedule of Classes booklet.

Students may receive their class schedules and complete their registration prior to the first day of the semester. A \$50.00 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 helps keep payments affordable and loan debt at a minimum. Families may make inquiries at TMS's toll-free number 800-722-4867 or on-line at www.afford.com. Other commercial plans are available and may be obtained from the Bursar or Financial Aid Office.

Schedule of tuition and fees follows:

Undergraduate Student Expenses

<i>College Year 2004-2005</i>		
<i>Standard Fees per semester</i>	<i>Resident</i>	<i>Non-Resident</i>
Tuition ¹	\$12,250.00	\$12,250.00
Residence Hall Room ²	\$ 1,500.00	
Board ³	\$ 1,300.00	
Comprehensive Fee ⁴	\$ 150.00	\$ 150.00
Standard Semester Total	\$15,200.00	\$12,400.00
Non-Recurring Fees		
Matriculation Fee ⁵	\$ 400.00	\$ 400.00
Residence Security Deposit ⁶	\$ 100.00	

- ¹ Students enrolled for more than 22 credit hours are billed an additional \$766 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. Board is optional to residents of North Village, the Garden Apartments, and Pennsylvania Avenue houses, and commuters.
- ⁴ Required of all full-time, degree-seeking students.
- ⁵ One-time initial enrollment fee.
- ⁶ One-time deposit to secure against residence hall damage. Unused balance returned when student leaves campus housing.

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 (1/2 of regular credit hour)	\$ 383.00
Student Teaching Fee	\$ 600.00
Music Fee	
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	\$ 55.00
Racquetball	\$ 20.00
Walleyball	\$ 20.00
Skiing	
No Rental	\$ 125.00
Full Rental	\$ 166.00
Photography Class Fee	\$ 50.00
Ceramics Class Fee	\$ 25.00
Jewelry Class Fee	\$ 30.00
Sculpture Class Fee	\$ 15.00
Prejudice & Power Class Fee	\$ 40.00
Late Registration Fee	\$ 50.00
Parking Registration Fee	
Annual	\$ 50.00
	<i>Per Request</i>
ID Replacement	\$ 15.00
Post Office Key Replacement	\$ 10.00
Transcript Fee	
Per 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, the Garden Apartments, and Pennsylvania Avenue houses. The semester rates for these rooms follow:

Residence Halls

double	\$1,500.00	single	\$1,725.00
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North Village

double	\$2,000.00	single	\$2,200.00
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Garden Apartments

double	\$1,750.00	single	\$1,950.00
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Pennsylvania Avenue Houses

double	\$1,700.00	single	\$1,910.00
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North Village, the Garden Apartments, 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 assignment 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.

All first-year students residing in a traditional residence hall are required to be on the 210-meal plan for two semesters. The meal plan averages 14 meals per week for the 15-week semester. Upper class students residing in the residence halls are required to be on at least the 175-meal plan. Residents of North Village, the Garden Apartments, 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 2004-2005 are as follows:

210 Block Plan: \$1,300.00 per semester. The student is given \$50 debit dollars per semester and 5 guest passes at one-half price. Thirty meals may be used in the Grille and Pub from 7:00 p.m. to midnight.

175 Block Plan: \$1,225.00 per semester. The student is given \$50 debit dollars per semester and 5 guest passes at one-half price. Twenty-five meals may be used in the Grille and Pub from 7:00 p.m. to midnight.

90 Block Plan: \$670.00 per semester. The student is given \$50 debit dollars per semester and 3 guest passes at one-half price. Fifteen meals may be used in the Grille and Pub from 7:00 p.m. to midnight. Students completing their Student Teaching Certification who reside in a residence hall may select this plan for that one semester. This meal plan averages 6 meals per week.

5 Lunch Only Plan: \$310.00 per semester. Students may have lunch in Englar Dining Hall Monday through Friday.

Additional meals may be purchased in small blocks as needed. January Term also provides a 36-meal plan to students residing in residence halls for the 3-week session. The cost is \$225.00 and averages 12 meals per week.

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 the Dining Hall; purchase books, supplies, and clothing at the Book Store; purchase meals and snacks at the Grille and Pub; or pay telephone charges. The I.D. cards of ALL students have vending debit card capabilities for the soda and snack machines, washers, dryers, and the Hoover Library copiers. 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. Waiver forms are included with the billing information and must be submitted by the due date to the Bursar's Office to cancel the charge. Information concerning the insurance and waiver forms may be obtained from the Student Health Center.

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

The comprehensive fee is nonrefundable even if the student converts to part time.

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 enrolled in the Allcard Meal Plans, there is no refund of monies deposited in the plan except upon official withdrawal from the College. A \$20 administrative fee will be charged.

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.

Academic Achievement

Honors Program

Students with outstanding academic records and standardized test scores are invited to apply for the Honors Program. As members of the program, they may take specially designed courses together each semester, may participate in special activities together, and may reside in common housing. Honors students who complete the Honors Program and earn a cumulative GPA of 3.40 or better receive certificates designating them College Scholars at graduation.

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 262 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 or 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, students must have demonstrated knowledge of mathematics and a

foreign language at a level appropriate for a liberal education. 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), Phi 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 3.80 or higher.
- High honors, requiring a semester grade point average of 3.60-3.69.
- Honors, requiring a semester grade point average of 3.40-3.59.
- 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 3.40 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, he/she 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, minor, nor satisfy the Basic Liberal Arts Requirements. 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 amount of participation required in the course is set by the instructor. 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, he/she 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; 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. Any student's record whose cumulative grade point average is less than 2.00 will be reviewed by the Admissions, Retention, and Standards Committee.

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, he/she 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 of academic warning from the Office of Academic Affairs. This letter may contain certain requirements such as an interview with members of the Admissions, Retention, and Standards Committee 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. These limits vary with the number of semesters enrolled at McDaniel College and, for transfer students, with both the number of semesters enrolled at the College and the numbers of transfer hours accepted. In the case of transfer students, credit hours obtained during high school or from advanced placement tests will not be included in assigning the categories shown in the table. A student entering as a freshman who obtains college credit while in high school from advanced placement tests or following graduation but prior to full-time enrollment at McDaniel College will not be considered as a transfer student (see chart below).

<i>College enrollment in semesters</i>	<i>0 transfer hours</i>	<i>1-15 transfer hours</i>	<i>16-30 transfer hours</i>	<i>31-45 transfer hours</i>	<i>46-60 transfer hours</i>	<i>61 or more transfer hours</i>
1	1.00	1.00	1.25	1.35	1.50	1.50
2	1.50	1.50	1.50	1.60	1.70	1.70
3	1.60	1.60	1.70	1.75	1.90	1.90
4	1.70	1.70	1.80	1.90	1.95	2.00
5	1.80	1.80	1.90	1.95	2.00	
6	1.90	1.90	1.95	2.00		
7	1.95	1.95	2.00			
8	2.00	2.00				

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 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 advisers are provided 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.

Academic Programs

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 allow students to acquire the skills and body of knowledge which are traditionally the benefit of a broad liberal arts education, and also to undertake concentrated study in one or more specialized areas in preparation for graduate or professional school or for post-college employment. The requirements include the structured flexibility of the College's Basic Liberal Arts Requirements (BLAR), academic majors, dual majors, minors, pre-professional programs, and student designed majors and minors. Although each student is solely responsible for the selection of an academic program that meets the requirements of the College and fulfills his/her educational objectives, academic advisers as well as a career counselor, and other members of the College are available to facilitate this process.

The College's educational programs serve students who enter with firm choices of majors or career ambitions and students who are undecided. Students who enter college with clearly defined majors or career ambitions can immediately begin a specific course of study to achieve their goals, and these studies will be augmented by the College's Basic Liberal Arts Requirements.

It is, however, neither necessary nor always advisable for students to commit themselves to a particular major early in their college careers. Students who enter college undecided about a major or a career, as well as students who discover during the course of their studies that their initial choice of a major or career is no longer appropriate, can benefit from the exposure to various disciplines offered by the Basic Liberal Arts Requirements. In addition to their broader educational role, these requirements provide students with fresh perspectives on established areas of interest, with opportunities for new experiences in previously unconsidered subjects, and with insights that will assist them in making an informed choice when choosing an academic major.

McDaniel College reserves the right to change any provision or requirement at any time within your period of residence. However, if a change is made, you have the option of following the requirements in the catalog in effect when you first matriculated at the College.

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 major requirements, basic liberal arts subjects, at least one January Term course, and electives. You may not count more than 52 semester hours in any one subject area (French, Economics, Biology, etc.) 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 Basic Liberal Arts Requirements and competence requirements as outlined below.
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. You must have a 2.00 or better average in all courses required for the major, including supplementary courses (Math for a Chemistry Major, History for a Religious Studies Major, etc.). The major GPA for double and dual majors is calculated separately for each department. To complete a double or dual major, you must have at least a 2.00 GPA in each subject area and supplementing courses.
4. Completion of at least one January Term.
5. Completion of one first-year seminar.
6. A cumulative grade point average of 2.00 ("C") or above in all work taken at the College.
7. Completion of the last 32 hours, not including the semester in education, in residence at the College. Ordinarily if you have been in residence two years or more, you will be permitted to take as many as eight (8) 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. NOTE: Courses taken at the Budapest campus, in affiliated study abroad programs, the U.N. Semester, the Washington Semester, and similar programs count as courses taken in residence. If you have questions about such courses, contact the Registrar's Office for advice.

All undergraduate students take 30 percent of their course work in the liberal arts: humanities, the fine arts, mathematics, and the natural and social sciences. A 4-1-4 calendar features fall and spring semesters and a January Term, three weeks of intensive study during which students pursue special topics.

Transfer students and others seeking advanced placement should consult with their academic adviser, a faculty representative of their major department, and the Registrar's Office to determine applicable requirements.

Basic Liberal Arts Subjects

Given the First Principles of McDaniel College and its orientation to the liberal arts, the following basic requirements must be completed by every student. Except where indicated, no one course may be used to satisfy more than one liberal arts requirement, and each must be at least a four-credit course. A student may not carry courses that meet the Basic Liberal Arts Requirements under the Credit-Fail option.

A. HERITAGE SEQUENCE (HS)

The two courses used to fulfill the Heritage Sequence cannot be used to satisfy any other Basic Liberal Arts Requirement.

This two-semester sequence must be chosen from the following:

- AHY 1113 & 1114 History of Western Art I & II
- CLT 2219 & 2220 Great Works of the Western World I & II
- GSC 2203 & 2204 History of Scientific Thought I: Ancient to 1500 AD & History of Scientific Thought II: 1500 AD to Present

- HIS 1105 & 1106 Western Civilization, Origins to 1700, & Western Civilization, 1700 to Present
- HIS 1134 & 1135 Understanding Europe (Budapest Only)
- IDS 1107 & 1108 Women in Western Culture I & II
- MUL 2203 & 2204 Music of the Western World I & II
- MUL 2231 & 2232 The Heritage of African-American Music I & II
- PHI 1113 & 1114 History of Ancient and Medieval Philosophy & History of Modern Philosophy
- PSI 1111 & 1112 Classical Political Theory & Modern Political Theory
- REL 2251 & 2252 Religion in Western Culture I & II
- THE/CLT 2225 & 2226 Theatre of the Western World I & II

B. DISTRIBUTION REQUIREMENTS

Distribution requirements 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 his/her adviser.

The designations for courses which satisfy the various Distribution and Competency requirements can be found in the Schedule of Classes, available from the Registrar’s Office prior to the enrollment period for each semester.

Global Perspective (GP)

Global Perspective courses are those which explore one or more cultures of Asia, Africa, the indigenous Americas, or the Pacific Rim, either exclusively or in explicit comparison with cultures of other regions. All Cross Cultural Studies (CCS) courses fulfill this requirement as does any other course so designated by the faculty. Global Perspective courses are indicated in the catalog.

NOTE: Courses designated as fulfilling the Foreign Language (FL), Humanities (HU), and Social Science (SS) requirements which also are cross-listed as a Cross Cultural Studies course, may be used to satisfy BOTH the GP requirement AND all or part of the other distribution requirement. CCS 1101 & 1120 satisfy ONLY the GP requirement.

Humanities (HU)

Three courses, from three different categories, among the following: Art History; History; Literature (American, British, Comparative, French, German, Latin, Spanish, and EPE 3345); Film Studies; designated Interdisciplinary Studies; Music History or Appreciation; Philosophy; Religious Studies; Theatre History or Appreciation.

Natural Science and Mathematics (NSM)

Two courses, from different categories, among the following: Biology; Chemistry; General Science; Mathematics; Physics; and EPE 2230 and 3325.

Social Sciences (SS)

One course from Economics, Political Science and International Studies, Psychology, or Sociology; and Communication 2203/2204.

C. COMPETENCE REQUIREMENTS

Students are expected to complete their academic competence requirements by the end of their sophomore year or, in the case of transfer students, by the end of the first full academic year, whichever comes later. Students who have not completed competence requirements in English Composition, Foreign Languages, and Mathematics on this schedule are subject to academic discipline, on the recommendation of the Admissions, Retention, and Standards Committee.

English Composition (EC)

With the exceptions noted below, all students must demonstrate competence in English composition by passing English 1101 and 1102 or English 1002, 1101, and 1102. Placement is determined by the English department.

Students who have received grades of 4 or 5 on the Advanced Placement (AP) English Test have satisfied the requirement and will receive eight additional credits. Students who have received a grade of 3 on the Advanced Placement (AP) English Test are exempt from the ENG 1101 portion and will receive four additional credits.

Incoming students who have received grades on 670 or higher on the Verbal portion of the SAT or 700 or higher on the SAT II writing test will be exempted from ENG 1101 but will not receive any additional credits.

Exercise Science and Physical Education

With the exceptions noted below, all students must present evidence of an acceptable level of knowledge and competence in courses involving (PEF) fitness (EPE 1001-1055 and EPE 1101-1155) and (PES) skill (EPE 1066-1099 and EPE 1166-1180). The requirement includes the completion of four such competencies, with at least one coming from each category.

Students may reduce all or some of this requirement by acceptable performance on departmentally administered proficiency tests, by participation on one or more of the teams in the College's intercollegiate athletic program, or by presentation of certification indicating skilled expertise. Evidence of such performance or participation must be certified by the Exercise Science and Physical Education Department Chairperson.

Foreign Language (FL)

Students are required to take and pass one or two courses in a foreign language, depending upon their performance on the Foreign Language Department placement exam. Students who place at the 1103 level or higher need to complete one course in that language. Students who place at the 1101 level need to complete 1101 and 1102 in that language.

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

Mathematics

All students are required to demonstrate competence in both arithmetic and basic algebra.

Students have three methods to satisfy this requirement:

1. The College administers proficiency tests in arithmetic and basic algebra during the summer and four times during the academic year: at orientation prior to the start of classes, in November, at the end of the January Term, and in April for all enrolled students. Students who pass these examinations also receive placement into various mathematics courses and are eligible to enroll in various classes in a variety of programs for which these tests are prerequisites.

2. Students may also enroll in the non-credit workshops in Basic Mathematics (MAT 1001) and Basic Algebra (MAT 1002), either as preparation for taking and passing the proficiency tests or as an alternative method for demonstrating competency in these subjects by performing at a satisfactory level during the semester-long workshops.

3. Students who have taken college level mathematics courses comparable to MAT 1106 (Finite Math), MAT 1107 (College Algebra/Trigonometry), or MAT 1117 (Calculus I) prior to enrollment at the College, will have satisfied the proficiency requirement.

Major Requirements

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.

The available majors are listed below:

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

Dual Majors Requirements

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. Please see the specific dual major requirements in the Dual Major section of this catalog on page 190.

The available dual majors are listed below:

- Art – Communication
- Art History – History
- Biology – Chemistry (Biochemistry)
- 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
- 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

Student-Designed Major/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/track programs of the various disciplines listed in this catalog.

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

The student and program adviser 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 adviser plan thoroughly.

Examples of some recently approved Student-Designed Majors:

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
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.

The available minors are listed below:

Accounting	Human Resources Development
Acting	International Studies
African-American Studies	Jazz Studies
American History	Journalism
Art History	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
Deaf Studies	Sociology
Economics	Spanish
Elementary Education	Sports Coaching
English/American Literature	Sports Journalism
European History	Sports Management
Film and Video Studies	Sports Science
Forensic Science	Studio Art
French	Theatre Arts
German	Writing
Gerontology	Women's Studies
History	

First-Year Seminar

A first-year seminar is a graduation requirement for all first-year students. The first-year seminars offer students unique opportunities to become better prepared for many facets of college life. Although these courses are offered in a wide variety of disciplines, they share the common goal of easing the transition from high school to college. While teaching the content specific to its discipline, each course will emphasize a variety of important skills including writing, oral presentation, study skills, critical thinking, and time management. Each of these skills is necessary for academic success. These seminars are also unique in that they are limited to only 15 students. Each student's first-year-seminar instructor will serve as their first academic adviser.

These courses also include a variety of opportunities for learning outside the classroom. Students have taken trips to the Supreme Court, the Library of Congress, the Maryland Renaissance Festival, the Maryland State Prison, and many local theatres and museums.

Transfer students with 12 or more credits or non-traditional students (25 years or older) are exempt from taking a first-year seminar.

January Term

The January Term has been an important part of the McDaniel College curriculum since 1969 because it provides both students and faculty with an unusual 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. There is a third dimension in this pursuit, intensity, a dimension which the January Term experience is designed to provide. Students and faculty are encouraged to view January Term as a cooperative venture where all of those involved can explore new areas and expand their intellectual horizons. The January Term may be envisioned as a time to cultivate special interests in depth; a time for creative work; a time for experimentation; a time for interdisciplinary dialogue; a time to explore art galleries, museums, and libraries in the area; a time to engage in special projects; a time for travel and study abroad; a time for study and reflection. For some students it is the opportunity to pursue independently, in an organized and guided way, projects or areas of study that deeply interest them. For others it is an opportunity to enroll in a course for which they have no previous background in the field. For others it means a time for exploration in an area of interest unrelated to their regular academic programs. This flexibility and experimentation in learning, which is the special feature of the January Term, will supplement and enrich the pattern of course work in the two regular semesters. January Term is a period of concentrated study normally beyond the range of the more usual course experiences.

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. 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. However, any special fees required by the courses must be paid. Students remaining in the residence halls during January Term are required to pay the 36-block meal plan. Students on leave 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. 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.

January Term courses are described in a separate publication available from the Registrar's Office after September 1. Registration usually takes place during the third week of September.

Electives

Electives should be selected with care and imagination in consultation with the academic adviser. It is here that the opportunity exists to balance and round out a college education, perhaps acquiring perspectives, information, and skills that will prove invaluable in many areas of life in the future.

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.

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 College's Basic Liberal Arts 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. A recent survey of Ph.D. productivity from 1951 to 1980 found that McDaniel College ranks in the top 50 institutions in the country in the percentages of its graduates who went on to earn Ph.D.'s in the life sciences. The College currently offers the following programs:

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

Advisers and suggested curricula assist students who aspire to post-graduate professional education. Pre-professional students should discuss their goals with both their faculty adviser 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 Basic Liberal Arts Requirements

24 hours in at least one of the following:

Biology

Chemistry

Mathematics

Physics

REQUIRED COURSES:

CHE 1101 Intro. to Chem.: Structure & Bonding

CHE 1102 Intro. to Chem.: Chemical Reactivity

CSC 1106 Fundamentals of Computing I

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/no credit 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. Samuel Alspach, 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 adviser 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 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. 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.

Pre-Museum Studies

Coordinator: Assistant Professor Gretchen Krehling McKay

This program is for students planning careers in the areas of museum curatorship, management, public education, and administration. Students major in Art and/or Art History and complete a program which includes art history and studio art, business administration, foreign language study in German or French, and an internship.

TWELVE COURSES:

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Four additional upper division Art History courses (3000 level or higher)

ART 2206 Computer Graphics

One Internship in Art (4 hrs.)

One Independent Studies or Special Topics course in Art History (4 hrs.)

Two courses in French or German (2 yrs. recommended)

Art History Capstone Exam

Teaching Certification

Coordinator: Dr. Francis M. (Skip) Fennell, 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). All of the College's 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 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 2002–2003 results for the College and overall rates for all colleges and universities in Maryland follow:

Tests of Basic Skills (Praxis I): McDaniel College, 91%; Maryland average, 99%
(College data include undergraduate, post baccalaureate and specialty programs.)

Tests of Professional Knowledge: (Praxis II): McDaniel College, 100%; Maryland average, 96%

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

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

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

Tests of Teaching Special Populations: (Praxis II): Maryland average, 75%; McDaniel College did not have enough test takers to report data.

Summary Totals of Pass Rates: McDaniel College, 90%, Maryland average, 95%

(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.

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.

Registration at Other Colleges

Students interested in enrolling in courses at other institutions must complete a Transfer Request form 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.

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 can not be used as credit toward a graduate degree. Two exceptions are the five year BA/MS 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.

Common Ground on the Hill

Executive Director: Walt Michael, Artist in Residence, McDaniel College

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. Ken Pool, Dean of Graduate Affairs, or Walt Michael, Artist in Residence.

Special 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 Deaf Studies minor by immersion in the language and culture of deaf people.

Students considering a special off-campus semester should consult with their academic adviser, the appropriate program adviser, and the Bursar's, Financial Aid, Registrar's, and Residence Life Offices at the College.

Gallaudet Visiting Student Program

Contact: Deaf Education Office, Thompson Hall, McDaniel College

Adviser: Eddy Laird

One semester of study is available to juniors and seniors who wish to complete the requirements for the 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

Adviser: 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.

The Budapest Program

This special program educates students from eastern and central Europe and other parts of the world who are interested in preparing for careers in the global marketplace. The Budapest campus, in cooperation with College International Budapest and International Studies, Inc., offers a four-year undergraduate program in Business Administration and/or Economics, Communication, and Political Science, leading to a Bachelor of Arts degree. Students accepted into the Budapest program spend two years in Budapest and two years at the Westminster campus. This program fulfills newly born European needs by combining American business principles with student-centered liberal arts study tempered by both European and American intellectual traditions. Successful completion of the entire four-year program will result in the awarding of a Bachelor of Arts degree from McDaniel College.

The Budapest campus is also a study abroad center for students from colleges and universities across the U.S. to spend a semester abroad. For McDaniel students, the College's financial aid may be applied to this program. A minimum GPA of 2.00 is required for the Budapest program.

Studying Abroad

Adviser: Dr. Colette Henriette, Foreign Languages

Every year a number of students choose to study abroad. Programs are available for an academic year, a semester, or short-term study during the summer or January Term. McDaniel College has entered into formal association with several American colleges, universities, and programs. These are: Central College, the University of Maryland, American Institute for Foreign Study, Marymount College, Hood College, Heidelberg College, Center for Cross-Cultural Studies, Syracuse University, Alma College, Saint Louis University, Ripon College, Harlaxton College, Butler University, Australearn, The American University in Paris, College Year in Athens, International University Studies, University of Pittsburgh (Semester at Sea), School for International Training, International Studies Abroad, and Academic Programs International. Many other options for worldwide study are also available. Students should start planning for study abroad early in their college years. While no definite commitments have to be made early, careful academic-program planning is highly recommended. A minimum 2.00 GPA is required for most study abroad programs.

In addition, McDaniel College is formally associated with foreign institutions and programs of higher education. The College is affiliated with three British universities: the University of Buckingham, Oxford Brookes University, and the University of Sheffield. Through the Intercontinental Recruitment and Support Services, students may enroll directly at the University of Essex, University of Kent at Canterbury, University of Leicester, University of Sunderland, University of York, and the University of Limerick (Ireland). Courses which are available in the Arts, Humanities, Sciences, and Social Sciences are taught in the British method of a combination of lectures, seminars, tutorial (small group work), and end-of-term examinations. Courses are usually less structured than at McDaniel College and rely substantially on independent study. The College also has agreements with the Université de Bourgogne (Dijon, France) and the Center of Bilingual Multicultural Studies (Mexico). A summer session at the International Institute of Russian Language and Culture in Tver (Russia) is also available.

For a complete list of programs available check the College Study Abroad Web page: www2.mcdaniel.edu/ForLang/StudyAbroad.htm.

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 the entry 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 Basic Liberal Arts 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. 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.

Courses of Instruction

KEY TO FINDING AND INTERPRETING COURSE DESCRIPTIONS

Departmental or Program Listings

The academic departments or programs are generally listed in alphabetical order. All courses are listed under the department or program which offers them. 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, nor 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 Basic Liberal Arts Requirements have the category(ies) listed.
- Prerequisites for each course are so indicated following the description.
- A sequence of courses in which the first course is prerequisite to the second will be listed jointly, the numbers separated by a comma (e.g. English 1101, 1102 Composition and Reading I, II means that English 1101 is prerequisite to English 1102).
- 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.

McDaniel College reserves the right not to offer any particular course when the demand is limited or instructional time is not available.

Curriculum

African-American Studies

No major is offered in this field. A minor in African-American Studies is offered through the Department of Sociology.

AFRICAN-AMERICAN STUDIES MINOR (20 HRS.)

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.

Other 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 The Heritage of African-American Music I
MUL 2232 The Heritage of African-American Music II
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.

Art and Art History

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

Areas of particular teaching interest:

Professor Bloom: drawing, photography, graphic design, computer graphics; Professor Palijczuk: drawing, watercolor, life drawing, painting, sculpture, printmaking; Professor Losch: European art history, Native American, Islamic, and African art; Professor Hankins: ceramics; Professor Krehling McKay: Byzantine art history, Medieval art, Renaissance art, Twentieth-century art; Professor Scott: Asian art, Renaissance and Baroque architecture, Italian and Spanish Baroque painting; Lecturer Van Hart: jewelry, design, drawing; Lecturer Mychajlyshyn: drawing, painting.

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 and regional 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 or in Museum Studies working with our own collection of Ancient and Native American art. 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, Medical Illustration, Art History, or Museum Studies, 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 museum studies, 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 five specializations within the Art or Art History majors. These specializations are graphic design, pre-museum studies, combined studio art and art history, art teacher education, and medical or scientific illustration.

Please see the Dual Major section starting on page 190 for dual majors with History or 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 4-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 (45 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Nine courses in Studio Art

ART 4492 Capstone Seminar (1 hr.)

Basic Art History Major

ART HISTORY (44 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Five additional Art History courses

One course (4 hrs.) in Independent Studies or Special Topics in Art History

HIS 1105 & 1106 Western Civilization I & II

One course from:

CLT/CCS/REL 3321 Comparative

Mythology

PHI 1113 History of Ancient & Medieval
Philosophy

AHY Capstone Exam 4492

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

Specialization I

COMBINED STUDIO ART AND ART
HISTORY (41 HRS.)

ART 1101 Drawing I

ART 1117 Design

Five additional Studio Art or Art History
courses

AHY 1113 & 1114 History of Western Art I
& II

AHY 2240 20th-Century Art

AHY Capstone Exam or ART 4492 Capstone
Seminar (1 hr.)

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

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 3395

ART 4492 Capstone Seminar (1 hr.)

Specialization III

PRE-MUSEUM STUDIES (48 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Four Art History Courses (3000 level or above)

One Senior Internship (4 hrs.)

One Ind. Stud. or Topics Course in Art History (4 hrs.)

ART 2206 Computer Graphics

One year of German or French (2 yrs. recommended)

AHY Capstone Exam 4492

Specialization IV

MEDICAL/SCIENTIFIC ILLUSTRATION
(69 HRS.)

Seventeen courses - This is basically a hybrid double major

Nine courses in Studio Art (36 hrs.)

One internship or independent studies (4 hrs.) in that field

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

BIO 2211 Human Physiology

BIO 3323 Developmental Biology

BIO 3324 Comparative Anatomy of Vertebrates

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

ART 4492 Capstone Seminar (1 hr.)

Specialization V

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)

Studio Art courses do not fulfill the Humanities requirement.

1101 Drawing I

4 credits

A studio course concentrating on basic principles and variations in lines, texture, value, composition, and use of drawing skills.

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.

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.

2211 Sculpture

4 credits

Clay modeling of the human head and figure, making of plaster molds and castings.

Recommended: permission of the instructor.

2214 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 repousse.

There is an extra fee for materials.

Priority is given to Art majors.

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.

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.

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.

Recommended: Art 1101 or permission of the instructor.

3310 Watercolor

4 credits

Experimentation with at least ten different techniques of watercolor painting.

Recommended: Art 1101 or permission of the instructor.

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.

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.

4492 Portfolio Preparation (Capstone)

1 credit

Preparation of a portfolio under the supervision of appropriate faculty.

2265; 2266; 3365; 3366; 4465;

4466 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; 2296; 3395; 3396; 4495;

4496 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; 2299; 3398; 3399; 4498;

4499 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.

Heritage Sequence, Humanities.

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.

Heritage Sequence, Humanities.

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.

Humanities.

Cross-listed with History 2207.

2222 Art of the Medieval World

4 credits

A study of the Early Christian, Byzantine, Romanesque, and Gothic Arts in Europe.

Humanities.

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.

Humanities.

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.

Humanities, Global Perspective.

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.

Humanities, Global Perspective.

2229 Arts of India, China, and Japan

4 credits

The development of painting, sculpture, and architecture in India, China, and Japan.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2229.

Offered in 2004-2005 and alternate years.

2235 Arts of the Renaissance, 1300-1600

4 credits

The development of European Arts from Giotto to Michelangelo in the south, and Van Eyck to Bruegel in the north.

Humanities.

2236 Baroque and Rococo

4 credits

A study of the architecture, sculpture, and painting of the period 1600-1800. The masters Bernini, Caravaggio, Rubens, Rembrandt, Velazquez, and Watteau are included.

Humanities.

2239 Romanticism and Impressionism

4 credits

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

Humanities.

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. Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 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.

Global Perspective, Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2250.

Offered in 2005-2006 and alternate years.

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.

Global Perspective, Humanities.

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

Offered as needed.

4492 Seminar in Art History - Capstone Experience*1 credit*

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

2265; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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.

Biology

Professors Alspach, M. Brown, Iglich, Long, and Paquin (Department Chair); Associate Professors Morrison and Mitschler; Lecturer Schmall.

Areas of particular teaching interest:

Professor Paquin: genetics (human and molecular), cytogenetics, bioethics; Professor Alspach: comparative physiology of vertebrates and invertebrates, marine biology, physiological ecology; Professor Brown: microbiology; Professor Iglich: ecology, evolution, botany; Professor Long: developmental biology, anatomy, evolution; Professor Mitschler: parasitology, immunology; Professor Morrison: cell biology, vertebrate diversity.

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 advisers recommend additional courses for particular careers including but not limited to allied health fields, environmental biology, graduate study, and teacher certification.

The faculty of the Biology Department believes that students must work in and beyond the classroom 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. Additional growth may be gained outside the classroom.

Many Biology students find employment and enjoy successful careers with a bachelor's degree. They enter fields in genetics, marine science, cancer research, environmental analysis, and 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 adviser.

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 should consult Dr. Sam Alspach for specific advice early in their careers.

Students interested in environmental studies may follow our environmental biology specialization within the department. Students should consult Dr. Esther Iglich 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. Lockard (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 starting on page 190 for dual majors with Chemistry and Mathematics.

Honors in Biology

Honors in Biology will be awarded to graduating seniors who have earned at least a 3.40 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 pass both sections of the Math Proficiency Test 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 four 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 3310 Cell Biology *

BIO 3301 Immunology *

BIO 3311 Advanced Genetics - Molecular

Group 2

Organismal Biology

BIO 2206 Epidemiology

BIO 3309 Advanced Genetics - Human Molecular

BIO 3316 Animal Physiology *

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 Fundamentals of Computing I

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 or BLAR

English Composition

First-year Seminar

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 adviser or, if their adviser is from another Department, with a faculty member in the Biology Department before making this decision. The third first-year course is usually *English Composition*. The other one or two courses should be chosen to fulfill a *Basic Liberal Arts Requirement* as well as the *First-year Seminar* requirement.
2. All courses should be selected only after consultation with the academic adviser and a biology adviser.

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:

BLAR courses should be selected from:

PSI 2215, Economics, and Statistics

One to three credit hours of an internship

Contact: Drs. Iglich or Alspach, Biology

MINOR IN BIOLOGY (20 HRS.)

Five 4-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.

Natural Science and Mathematics.

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

1111 (FR) Principles of Biology

4 credits

This course is designed for science majors and focuses on the unifying concepts of species and adaptations of species to change, an overview of cell biology including cell structure, cell metabolism, cell reproduction, enzyme action, DNA, proteins, and genetics. The laboratory emphasizes basic techniques and is an integral component of the course. Natural Science and Mathematics.

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, Mathematics 1001 or passing the arithmetic section of the mathematics proficiency test, Mathematics 1002 or

passing the algebra portion of the mathematics proficiency test.

Natural Science and Mathematics.

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: Mathematics 1001 or passing the arithmetic portion of the math proficiency test.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

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 arthro-

pods. Topics such as the cell biology and pathology of selected human parasites and their medical treatment will also be included. Course includes laboratory.

Prerequisite: Biology 1112.

Biology major Group 3 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.

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 3310.

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, Mathematics 1001 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test.

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.

Humanities.

This course does not satisfy the Natural Science and Mathematics 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.

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 Biology and Chemistry Departments.

Prerequisites: Chemistry 3321, Biology 2203 and 3310.

Cross-listed with Chemistry 4494.

2265; 2266; 3365, 3366 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; 2296; 3395; 3396 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; 2299; 3398; 3399; 4498; 4499 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), Seidel, and Singer; Assistant Professor McIntyre; Senior Lecturer Carter; Lecturers Lavin, McDonald, and Weisse.

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 Singer: auditing and taxation; Professor McIntyre: macroeconomics, international economics, money and financial markets; Professor Carter: marketing and management, Professor Lavin: accounting, finance, ethics and business; Professor McDonald: legal environment of business; Professor Weisse: legal environment of 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 business administration 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).

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 Dual Major section starting on page 190 for dual majors with Business German or Economics.

Departmental Honors

An honors student, in addition to maintaining a departmental average of 3.40, is expected to demonstrate academic leadership as evidenced by their ability to discuss economic issues and to perform research. To that end the honors student 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 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 2209 Principles of Marketing

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial Emphasis

BUA 3307 Investments

BUA 4323 Corporate Finance and Financial Management

Four hours from among:

BUA 2205 Legal Environment of Business

BUA 2210 Ethics and Business

BUA 2211 Entrepreneurship

BUA 2214 Principles of Management

BUA 3220 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

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 upon placement)

First-year Seminar

Mathematics (based upon placement) or BLAR

Physical Education

NOTE:

Successful completion of the arithmetic portion of the College-administered Mathematics

Proficiency Exam is required before you may register for any Accounting course or ECO 1101.

Successful completion of both the arithmetic and algebra portions of the College-administered Mathematics Proficiency Exam 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

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

ECO 2201 Principles of Economics

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

STA 2215 Elementary Statistics for Social Science

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: Mathematics 1001 or passing Arithmetic Proficiency Exam.

1151 Introduction to Business

4 credits

Introduction to Business is designed to provide first-year students with an overview of business in today's world. Topics which will be covered include: American business, international business, ethical and social responsibilities, operations, managing human resources, marketing, finance, accounting, and computers and information technology. Introduction to Business provides a foundation from which students may further explore the world of business and economics.

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 2004-2005 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.

Humanities.

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 is 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 2004-2005 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 2005-2006 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 2005-2006 and alternate years.

3220 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 3220.

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 2005-2006 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.

Social Science.

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 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 1103.

Social Science.

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; 2266; 3365; 3366; 4465; 4466 Special Topics in Business Administration

4 credits

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

2295; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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

Professors Herlocker and R. Smith (Department Chair); Associate Professor Wladkowski; Assistant Professor Nilsson; Lecturers E. Brown and M. Smith.

Areas of particular teaching interest:

Professor Herlocker: preparation and properties of transition metal complexes; 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 Nilsson: biochemistry of the diseases of aging; Dr. Brown: molecular dynamics and kinetics of chemical reactions; 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 insure 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 philosophy.

Other Educational Options in Chemistry: American Chemical Society Certified Chemistry Major; Biology-Chemistry (Biochemistry) dual 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 starting on page 190 for dual majors with Biology or Exercise Science and Physical Education.

Honors in Chemistry (Biochemistry, Exercise Chemistry)

Honors in Chemistry (Biochemistry, Exercise Chemistry) will be awarded to graduating seniors who have earned at least a 3.40 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 and Biology for Biochemistry; Chemistry and Exercise Science and Physical Education for Exercise Chemistry)

BASIC MAJOR (50 HRS.)

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

CHE 2201 Electr. Lit. Search – Chem. Sci. (1 hr.)

CHE 2202 Chemistry of the Elements

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 hr.)

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. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

MAT 1117 Calculus I

MAT 1118 Calculus II

English Composition or Foreign Language

First-year Seminar; BLAR

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

Basic Major in Chemistry

BIO 1111 Principles of Biology I

CHE 3321 Biochemistry

CHE 4406 Advanced Analytical Chemistry

CHE 4415 Inorganic Chemistry

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. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

CHE 2217 Organic Chemistry I

CHE 2218 Organic Chemistry II

Four hours from among:

CHE 2210 Physical Chem. for the Life Sciences

CHE/PHY 3308 Physical Chemistry II

Four hours from among:

One additional four-hour course in Chemistry

BIO 3311 Advanced Genetics - Molecular

PHY 4402 Intro. Quantum Mechanics

Chemistry Course Descriptions (CHE)

1101 Introductory Chemistry I: Structure and Bonding

4 credits

The first half of the two-semester, introductory chemistry course 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 or passing of the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing of the algebra portion of the mathematics proficiency test.

Natural Science and Mathematics.

1102 Introductory Chemistry II: Chemical Reactivity

4 credits

The second half of the two-semester introductory chemistry course 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.

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 and 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 a laboratory relating chemistry to real world problems of interest.

Prerequisites: Mathematics 1001 or passing of the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing of the algebra portion of the mathematics proficiency test.

Natural Science and Mathematics.

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.

This course does not satisfy the Natural Science and Mathematics requirement.

2202 Chemistry of the Elements

4 credits

A study of the synthesis, distribution, and chemistry of the elements. Emphasis is on the properties of important metallic and non-metallic compounds, their laboratory and industrial preparations, and their important reactions.

Prerequisite: Chemistry 1102.

Offered in 2005-2006 and alternate years.

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.

Cross-listed with Physics 3308.

3321 Biochemistry I

4 credits

An in-depth study of the structure and function of biological macromolecules (nucleic acids, proteins, carbohydrates, and lipids), including techniques used for their isolation and characterization. This course provides an exploration of cell function on a molecular level with an emphasis on the relationship

between errors at the molecular level and the correlation to human disease. Topics include protein synthesis/folding/misfolding enzyme kinetics, and glucose metabolism. The laboratory is research-based and will primarily explore the relationship between protein misfolding and human disease. Techniques include aspects of protein purification, electrophoresis, spectroscopic characterization, and an introduction to the computerized molecular modeling of macromolecules.

Course includes laboratory.

Prerequisites: Chemistry 2217; 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. Includes a research-based, two-hour laboratory on the use of computer technology in bioinformatics.

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.

Offered in 2005-2006 and alternate years.

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).

Offered 2005-2006 and alternate years.

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.

Offered in 2004-2005 and alternate years.

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 Biology and Chemistry Departments.

Prerequisites: Chemistry 3321, Biology 2203

and 3310.

Cross-listed with Biology 4494.

2265; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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.

Communication

Professor Sapora; Associate Professors Lemieux (Department Chair) and Meyer; Assistant Professor Slade; Adjunct Lecturers Brannon, Villani, Flaherty, Pilachowski, and Beck-Shoup.

Areas of particular teaching interest:

Professor Sapora: linguistics, film history and criticism; Professor Lemieux: interpersonal communication, health communication,

quantitative research methods; Professor Meyer: gender communication, language and discourse, intercultural communication; Professor Slade: television and film production, script writing, and film analysis.

The discipline of Communication attempts to explain how messages arise from change, enable choice, and bind communicators together in relationships. The communication paradigm provides explanations for a wide range of social phenomena evident in mediated and interpersonal events.

The faculty's objective is to graduate seniors who are well trained in thought and argument, who can view problems from many points of view and negotiate common solutions, who can express themselves clearly and with conviction in writing and in speech, and who have spent time contemplating the nature of communication—in short, graduates who understand what communication is and who can themselves communicate well.

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

Please see the Dual Major section starting on page 190 for dual majors with Art, English, Foreign Languages, Sociology, or Theatre Arts.

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 (2 cr.)
- COM 2204 Qualitative Research Methods (2 cr.)

STA 2215 Elementary Statistics for Social Science

COM 4594 Senior Seminar

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

Three courses chosen from:

- COM 1110 Public Speaking
- COM 2250 Television Production
- ENG 2204 Journalism II
- ENG 2207 Creative Writing - Fiction
- ENG 2208 Advanced Composition
- ENG 2212 Professional Communication
- ENG 3307 Writing in Digital Environments
- STA 2216 Statistical Methods
- THE 1113 Acting
- THE 3328 Playwriting

MINOR IN COMMUNICATION (24 HRS.)

- COM 1102 Interpersonal Communication
 - COM 1103 Mass Communication
 - COM 1110 Public Speaking
 - COM 2203 Quantitative Research Methods (2 cr.)
 - COM 2204 Qualitative Research Methods (2 cr.)
 - STA 2215 Elem. Statistics for Social Science
- One additional four-credit course in Communication at the 3000 level or above. Internships do not apply.

MINOR IN FILM AND VIDEO STUDIES (24 HRS.)

- COM 2250 Television Production
 - COM 3330 Film Analysis
- Plus two courses from:
- COM 3332 Television Analysis and Criticism
 - COM 3333 Fiction into Film
 - COM 3334 Semiotics of Photography and Film

Plus two courses from:

- COM 3337 Scriptwriting
- THE 1111 Stagecraft
- THE 1113 Acting
- THE 3320 Directing
- THE 3328 Playwriting
- ENG 1103 Introduction to Journalism
- ENG 2205 Media Ethics
- COM 4590 Independent Study with Campus TV Station

Contact: Professor Slade, Communication

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.

1149 Filmmaking Apprenticeship: Introductory Project

1 credit

The first step in the filmmaker's mentorship. Students will introduce fellow filmmakers to their favorite, life-forming films and begin to cultivate a filmmaker's journal. Also, students will assist advanced students, in the capacity of production assistants, with their upper-level film projects.

Prerequisite: permission of instructor.

2203 Communication Research Methods: Quantitative

2 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.

Social Science with Communication 2204.

Prerequisites: Communication 1102 and 1103, Statistics 2215. Must be taken in conjunction with Communication 2204.

2204 Communication Research Methods: Qualitative

2 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. Social Science with Communication 2203.

Prerequisites: Communication 1102 and 1103, Statistics 2215. Must be taken in conjunction with Communication 2203.

2249 Filmmaking Apprenticeship: Production Design

1 credit

A continuation of the filmmaker's mentorship. Students will research, design, script, budget, and propose a film project for Communication 3349 First Production.

Students continue to assist upper-level filmmakers with their productions.

Prerequisite: Communication 1149.

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.

3306 Approaches to the Study of Language

4 credits

An introduction to the principles and methods of linguistics. This course surveys the history of the linguistic enterprise (including the application of linguistic findings to teaching in the schools) and provides a linguistic analysis of the history of the English language. Humanities.

Cross-listed with English 3306.

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.

Prerequisites: Communication 2203 and 2204.

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.

Prerequisites: Communication 2203 and 2204.

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.

Prerequisites: Communication 2203 and 2204.

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: Communication 2203 and 2204.

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.

Prerequisites: Communication 2203 and 2204.

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.

Humanities.

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: Communication 2203 and 2204.

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.

Humanities.

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.

Humanities.

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.

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

4 credits

Theoretical approaches to the study of film, the analysis of film-making 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.
Humanities.

3349 Filmmaking: First Production

1 credit

A continuation of the filmmaker's mentorship. Students execute the proposal developed and approved in Communication 2249.

Prerequisite: Communication 2249.

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.

Prerequisites: Communication 2203 and 2204.

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.

Prerequisites: Communication 2203 and 2204.

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: Communication 1103.

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.

Prerequisite: Communication 1103.

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.

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.

Prerequisites: Communication 2203 and 2204.

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, and health policy.

Prerequisites: Communication 2203 and 2204.

4449 Filmmaking Apprenticeship: Feature Production

1 credit

The conclusion of the filmmaker's mentorship. Students who enroll in this course will complete the production of a feature film proposed in Communication 2249 and started in Communication 3349.

Prerequisites: Communication 3349 and permission of the instructor.

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; 2266; 3365; 3366; 4465;

4466 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; 2296; 3395; 3396; 4495;

4496 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; 2299; 3398; 3399; 4498;

4499 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.

Comparative Literature

Professor Panek (Director); Associate Professor D. Evergates; other faculty members from the departments involved.

No major is offered in this field. A minor in Comparative Literature is available through the Department of English.

MINOR IN COMPARATIVE LITERATURE (20-36 HRS.)

CLT 2219 Great Works West. World I

CLT 2220 Great Works West. World II

CLT/CCS/REL 3321 Comp. Mythology

Two additional courses in Comparative

Literature in consultation with adviser.

Foreign Language through the 2000 level

(Placement at the 3000 level satisfies this requirement.)

Comparative Literature Course Descriptions (CLT)

1125 Studies in Hispanic Literature in English Translation

4 credits

Spanish and Spanish-American literature in translation. The topic changes each year. Humanities.

Cross-listed with Spanish 1125.

2219 Great Works of the Western World I

4 credits

Representative masterworks of European culture from ancient times through the Renaissance.

Heritage Sequence, Humanities.

2220 Great Works of the Western World II

4 credits

Representative masterworks of European culture from the Enlightenment to the present.

Heritage Sequence, Humanities.

2225 Theatre of the Western World I*4 credits*

A survey of major developments in Western theatre history and literature from the Golden Age of Greece to the Restoration. Included are the 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. Heritage Sequence, Humanities. Cross-listed with Theatre Arts 2225.

2226 Theatre of the Western World II*4 credits*

A survey of major developments in Western theatre history and literature from the Restoration to modern drama. The course begins with the eighteenth-century theatre in England, France, and Germany and treats the emergence of the major modern styles of romanticism, realism, expressionism, epic theatre, and theatre of the absurd. Heritage Sequence, Humanities. Cross-listed with Theatre Arts 2226.

2227 The Contemporary Theatre*4 credits*

Studies in dramatic literature, theatre practice, and performance theory since 1960. Humanities. Cross-listed with Theatre Arts 2227. Offered in 2004-2005 and every third year.

2231 Women in German Literature and Society*4 credits*

An exploration of the changing literary and social roles and images of women in Germany in the 19th and 20th centuries through discussions and reading of representative works by German women writers presented in their sociopolitical and cultural context. Of special interest will be the developments in the Third Reich, after 1945, and after the fall of the Berlin Wall in 1989. Works discussed will include authors such as Rahel Varnhagen, Bettina von Arnim, Anna Seghers, Ingeborg Bachmann, Christa Wolf, May Ayim, and others. This course is taught in English. Cross-listed with German 2231 and Interdisciplinary Studies 2231. Humanities.

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.

Foreign Language, Humanities.

Cross-listed with Latin 2255.

3321 Comparative Mythology*4 credits*

A study of the myth-making process and the major mythological types and themes. Global Perspective, Humanities. Cross-listed with Cross Cultural Studies 3321 and Religious Studies 3321.

2265; 2266; 3365; 3366 Special Topics in Comparative Literature*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; 3398; 3399 Independent Studies in Comparative Literature*0-4 credits*

Qualified students who desire to do independent studies are admitted with permission of the Director.

Computer Science

Professor Eshleman and Associate Professor Miller.

Areas of particular teaching interest: Professor Eshleman: programming languages, computer architecture, numerical methods, theory of computation; Professor Miller: software engineering, algorithms, and numerical methods.

The computer science curriculum is offered by the Mathematics and Computer Science

Department. It encompasses a broad spectrum of courses that allows a student to explore some of the many areas of interest within computer science. The curriculum provides a foundation for a variety of professional careers where computer science knowledge and skills are important and for graduate study in computer science or computational mathematics. Options available to students include a computer science major or minor, a dual major in computer science and mathematics and a computer science emphasis within the mathematics major and the physics major.

Recent graduates who have completed a course of study in computer science are employed as systems analysts, programmers, and computer specialists at private software firms, computer manufacturers, and government agencies and contractors. The combination of a computer science major or minor with a course of study in a liberal arts discipline such as mathematics, physics, economics, English, or communication make our graduates very attractive candidates for computer-related positions with companies and agencies such as IBM, Hewlett-Packard, the National Security Agency, and Lockheed Martin.

The major in computer science provides a broad understanding of the architecture and application of computers. The curriculum is designed to provide students a solid foundation in computer theory and application with an emphasis on problem solving. It also allows students to assess their interest in the various areas of computer science specialization by selecting from a diverse set of courses including programming, algorithm design and analysis, computer graphics, computer architecture, software engineering and data communication networks.

The minor in computer science provides any major with core knowledge for application in their chosen profession or as a foundation for further studies in computer science at the graduate level. The major in mathematics with a specialization in computer science provides a solid foundation for a technical career that encompasses computers or for graduate study in computer science.

The dual major in computer science and mathematics offers a very attractive opportunity

for an integrated course of study. This curriculum will provide students a very solid background in both areas and especially well-developed skills in problem-solving using computers. The dual major will provide a very attractive foundation for pursuing opportunities in graduate education or in a variety of professions.

Since logical thinking and effective communicating are necessary skills in computing, courses in mathematics, technical writing, and speech are highly recommended for any student with an interest in computer science.

Students planning to minor in or emphasize computer science should take CSC 1106 no later than the second semester of their first year in order to avoid scheduling conflicts between the remaining computer science courses and major requirements. Students with marginal quantitative skills should take CSC 1104 prior to taking CSC 1106.

Students with AP credit in computer science should consult Dr. Eshleman or Dr. Miller to determine whether they should begin with CSC 1106 or CSC 1107.

MAJOR IN COMPUTER SCIENCE (49 HRS)

CSC 1106 Computing Fundamentals I

CSC 1107 Computing Fundamentals II

CSC 2201 System Software

CSC 2207 Discrete Mathematics

Two additional four-credit courses in computer science chosen from Computer Architectures, Algorithms, and Software Engineering (2000 level)

Four additional four-credit courses in computer science (2000 and 3000 level)

One-credit Capstone experience in computer science

Calculus II and one additional 2000-level mathematics course

Suggested first semester schedule

CSC 1106 Computing Fundamentals I

English Composition or Foreign Language

MAT 1118 (or placement)

First-year seminar

MINOR IN COMPUTER SCIENCE (24 HRS)

CSC 1106 Computing Fundamentals I
CSC 1107 Computing Fundamentals II
CSC 2201 System Software
CSC 2207 Discrete Mathematics

Two additional four-credit courses in
Computer Science at the 2000 level or
above.

Computer Science Course Descriptions (CSC)

1104 Introduction to Computer Science

4 credits

An introduction to ideas and techniques that are fundamental to computer science, providing a broad survey of the discipline while emphasizing the computer's role as a tool for describing, organizing, and manipulating information. Topics include: the historical development of computers, comparison and evaluation of programming languages, algorithmic methods, artificial intelligence, and networking. This course is normally taken by students with no prior computer programming experience.

1106 Computing Fundamentals I

4 credits

An introduction to standard computer programming techniques including problem analysis, algorithm design, program coding, testing, and documentation.

Course includes a laboratory.

Prerequisites: Mathematics 1001 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test.

1107 Computing Fundamentals II

4 credits

This course moves students into the domain of software design, introducing principles necessary for solving large problems and team-programming techniques. Topics to be treated include abstract data types, specifications, trade-offs among different implementation strategies (such as lists vs. arrays), and complexity analysis. Basic data structures (queues, stacks, trees, sets, and graphs) and transforma-

tions (sorting and searching) are introduced as fundamental tools used to aid the software-design process.

Prerequisite: Computer Science 1106.

2201 System Software

4 credits

This course provides a fundamental understanding of system programs such as assemblers, compilers, linkers, loaders, and operating systems. Topics to be covered include alternative assembly processes, the machine dependence of system software, methods for language analysis, code generation and optimization, and the features of operating systems such as process scheduling and memory management.

Prerequisites: Computer Science 1106 or permission of the instructor.

2205 Software Engineering

4 credits

Fundamental software engineering techniques and methodologies commonly used during software development are studied. Topics include various life cycle models, project planning and estimation, requirements analysis, program design, construction, testing, maintenance and implementation, software measurement, and software quality. Emphasized are structured and object-oriented analysis and design techniques, use of process and data models, modular principles of software design, and a systematic approach to testing and debugging. The importance of problem specification, programming style, periodic reviews, documentation, thorough testing, and ease of maintenance are covered.

Prerequisites: Computer Science 1107 or permission of the instructor.

2207 Discrete Mathematics

4 credits

This course provides an introduction to combinatorial problem solving and applied graph theory. Topics include arrangements and selections, generating functions, recurrence relations, graph isomorphisms, graph models, planar graphs, Euler and Hamiltonian circuits, and graph coloring problems. Additional topics are chosen from inclusion-exclusion formu-

las, trees, and network algorithms.

Prerequisites: Computer Science 1106 or permission of the instructor.

Cross-listed with Mathematics 2207.

2208 Algorithms

4 credits

This follow-on course to Data Structures examines fundamental techniques in algorithm design and analysis. It considers a broad spectrum of algorithms and analyzes their performance. Analyses include consideration of upper and lower limits as well as worst, average, and best case results. Topics include sorting and searching, advanced data structures (red-black trees, 2-3-4 trees), recursion and induction, algorithm analysis and computational complexity (recurrence relations and big-O notation), string processing (Boyer-Moore, Knuth-Morris-Platt, Rabin-Karp), greedy algorithms (depth-first and breadth-first search, connectivity, shortest paths, network flow), and conditional geometry (points, lines, polygons, convex hull). Selected advanced topics (dynamic programming, NP-complete problems) are also introduced.

Prerequisites: Computer Science 1107;

Computer Science 2207 recommended.

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 Mathematics 2210.

2213 Computer Architectures

4 credits

This course provides a detailed examination of the internal structure and operation of modern computer systems. Each of the major system components is investigated including the following topics: the design and operation of the ALU, FPU, and CPU; microprogrammed

vs. hardwired control, pipelining, and RISC vs. CISC machines; the memory system including caches and virtual memory; parallel and vector processing multiprocessor systems and interconnection networks; superscalar and superpipelined designs; and bus structures and the details of low-level I/O operations using interrupt mechanisms, device controllers, and DMA. The impact of each of these topics on system performance is also discussed. The instruction set architectures and hardware system architectures of different machines are examined and compared. The classical Von Neumann architecture is also compared and contrasted with alternative approaches such as data flow machines and neural networks.

Prerequisites: Computer Science 1107 and 2201, or permission of instructor.

3303 Operating Systems

4 credits

The theory and principles related to operating system design are presented from both developer and user perspectives, with emphasis on understanding and developing alternative approaches to resource management policies. Parallelism or concurrency aspects are explained using the concepts of process management, synchronization, deadlocks, and job and process scheduling. Detailed techniques of real and virtual storage management are discussed for a variety of processing environments such as multiprogramming, multiprocessing, and others. An overview of information management and device management is provided, leading to relevant optimization techniques. Resource management interdependencies and trade-offs are outlined from a performance perspective. The implementation of principles is shown through a discussion of several contemporary operating systems. Students design a simulation of operating system components and implement it using a high-level language.

Prerequisites: Computer Science 1107 and 2201; Computer Science 2213 recommended.

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 1107 and 2201; Computer Science 2205 and 2213 recommended.

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 detec-

tion 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. *Prerequisites:* Computer Science 1107 and 2213.

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 1107 and Mathematics 2218; Computer Science 2210 recommended.

3322 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.

Prerequisites: Mathematics 2221 or 2207, or permission of the instructor.

2265; 2266; 3365; 3366 Special Topics in Computer 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. Recent offerings have included Automata Theory and Operating Systems.

Prerequisite: permission of the instructor.

2295; 2296; 3395; 3396 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; 2299; 3398; 3399 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

Associate 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/PHI 2225 Phil. & Practice of Tai Chi

CCS/REL 2254 Religions of Africans & the Indigenous Americans

CCS/REL 2255 Religions of Asia

CCS/REL 2256 Religions of the Ancient World

CCS/PHI/REL 3302 Classical Indian Phil.

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/REL 3305 Sacred Architecture

CCS/REL 3306 Hindu Rituals & Ethics

CCS/CLT/REL 3321 Comparative Mythology

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/SPA/HIS 2223 Cultural History of Latin America

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

CCS/SOC 1108 Cultural Anthropology

CCS/PSI 3310 Politics of Developing Areas

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

CCS/ECO 3326 Economic Development

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.

Global Perspective.

1108 Cultural Anthropology*4 credits*

A study of culture with material drawn from pre-industrial, complex, and developing societies. The course examines the increasingly complex social, economic, and political relationships between cultures and nations from both a historical and modern perspective.

Global Perspective, Social Science.

Cross-listed with Sociology 1108.

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.

Global Perspective.

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.

Global Perspective, Humanities.

Cross-listed with French 1123.

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.

Global Perspective, Humanities.

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.

Global Perspective.

2212 World Music*4 credits*

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

Global Perspective, Humanities.

Cross-listed with Music 2212.

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.

Global Perspective, Humanities.

Cross-listed with Philosophy 2219.

2223 Cultural History of Latin America*4 credits*

Historical and contemporary culture of Latin America.

This course is taught in English.

Global Perspective, Humanities.

Cross-listed with History 2223 and Spanish 2223.

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.

Global Perspective, Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Art History 2229.

Offered in 2004-2005 and alternate years.

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.

Global Perspective, Humanities.

Cross-listed with Theatre Arts 2230.

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.

Global Perspective, Humanities.

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.

Global Perspective, Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Art History 2250.

Offered 2005-2006 and alternate years.

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.

Global Perspective, Humanities.

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").

Global Perspective, Humanities.

Cross-listed with Religious Studies 2255.

2256 Religions of the Ancient World

4 credits

An examination of the earliest evidence for human religious behavior as well as some of the religious traditions of the ancient Mediterranean and Near East (for example: Egypt, Mesopotamia, Iran, and Greece) and the ancient Americas (for example: Aztec, Inca, and Maya).

Global Perspective, Humanities.

Cross-listed with Religious Studies 2256.

Offered as needed.

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."

Global Perspective, Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Art History 3305 and

Religious Studies 3305.

Offered as needed.

3306 Hindu Rituals and Ethics

4 credits

An intense look at the Hindu "path of action" in its many dimensions: rituals of the life cycle and daily life, seasonal festivals and celebrations, castes and stages of life, related notions of purity and pollution, and the relations between action and liberation.

Global Perspective, Humanities.

Cross-listed with Religious Studies 3306.

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.

Global Perspective, Social Science.

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 continuing application of the Marxist model in China are explored. Theoretical paradigms that attempt to predict the future of these regimes are also analyzed.

Global Perspective, Social Science.

Cross-listed with Political Science 3317.

3321 Comparative Mythology

4 credits

A study of the myth-making process and of the major mythological types and themes.

Global Perspective, Humanities.

Cross-listed with Comparative Literature 3321 and Religious Studies 3321.

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.

Global Perspective, Social Science.

Cross-listed with Economics 3326.

Deaf Studies

Assistant Professor Rust.

No major is offered in this field. The minor in 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 a semester as a visiting student at Gallaudet University in Washington, D.C., residence in the ASL House, and January Term internships in ASL environments such as schools and deaf-related organizations across the United States. For students wishing to pursue a career in teaching deaf students, McDaniel College offers a nationally recognized graduate program in Deaf Education. The 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 3301 American Sign Language III
ASL 3302 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) May be counted as part of the
Gallaudet Visiting Student Program
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.
One semester spent as a visiting student at
Gallaudet University or one year in the ASL
house.

A 2.5 or higher score on the ASL Proficiency
Interview (ASLPI) is required for comple-
tion of the minor and for the Gallaudet
Visiting Student Program.

Deaf Studies Course Descriptions (ASL)

2225 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 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 will be covered. A brief introduction on Deaf Culture will be included. (This course is taught in ASL only.)

2226 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. The Signing Naturally I units 7 through 12 including additional cultural information will be covered. (This course is taught in ASL only.)

Prerequisite: American Sign Language 2225
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 2225
with a grade of "B" or above.

3301 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. (This course is taught in ASL only.)

Prerequisite: American Sign Language 2226 with a "B" grade or above.

3302 American Sign Language IV*4 credits*

Advanced American Sign Language, focusing 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. (This course is taught in ASL only.)

Prerequisite: American Sign Language 3301 with a grade of "B" or above.

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. (This course is taught in ASL only.)

Prerequisite: American Sign Language 3302 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*

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 3302 with a "B" or above or a minimum score of 2.5 on the ALSPI, 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 3303 with a "B" or above or a minimum score of 2.5 on the ALSPI, 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 3302 with a "B" or above, 2230, and 3369.

This should be the final course taken in the Deaf Studies minor.

Economics

Professors Claycombe, Milstein, J. Olsh (Department Chair), Seidel, and Singer; Assistant Professor McIntyre; Senior Lecturer Carter; Lecturers Lavin, McDonald, and Weisse.

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 Singer: auditing and taxation; Professor McIntyre: macroeconomics, international economics, money and financial markets; Professor

Carter: marketing and management, Professor Lavin: accounting, finance, ethics and business; Professor McDonald: legal environment of business; Professor Weisse: legal environment of 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 starting on page 190 for dual majors with Business Administration, Business German, Foreign Language, Mathematics, Political Science.

Departmental Honors

An honors student, in addition to maintaining a departmental average of 3.40, is expected to demonstrate academic leadership as evidenced by their ability to discuss economic issues and to perform research. To that end the honors student 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 2203 Introduction to Journalism

ENG 2208 Advanced Composition

ENG 2212 Professional Communication

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 a BLAR

Physical Education

NOTE:

Successful completion of the arithmetic portion of the College-administered Mathematics Proficiency Exam is required before a student may register for any Accounting course or ECO 1101.

Successful completion of both the arithmetic and algebra portions of the College-administered Mathematics Proficiency Exam 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 prob-
lems and institutions.

*Prerequisite: Mathematics 1001 or passing
Arithmetic Proficiency Exam.*

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 Science.

2201 Principles of Economics

4 credits

The study of the economic foundations of any
society: price theory – the market system, allo-
cation of resources, and income distribution;
macroeconomic theory – national income and
employment, money and banking, growth,
recession, inflation, and international trade.

*Prerequisites: Mathematics 1001 or passing
Arithmetic Proficiency Exam, Mathematics
1002 or passing Algebra Proficiency Exam.*
Social Science.

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 uncer-
tainty 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 pay-
ments, trade and growth/development, open
economy business cycles, international organi-
zations, and exchange rate policy.

*Prerequisite: Economics 2201 or permission of
the instructor.*

Offered in 2004-2005 and alternate years.

3305 American Economic History

4 credits

This course is an interdisciplinary one which
will use economic methods to analyze and inter-
pret 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*

3319 Public Finance

4 credits

Principles and problems of taxation; the theo-
ry, character, and trend of public expenditures;
public choice; the sources and effects of public
revenue and public indebtedness - national,
state, and local.

*Prerequisite: Economics 2201 or permission of
the instructor.*

3320 Macroeconomic Theory

4 credits

The study of national income and price deter-
mination, 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 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.

Global Perspective, Social Science.

Cross-listed with Cross Cultural Studies 3326.

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 2005-2006 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 macroeconomy.

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; 2266; 3365; 3366; 4465;
4466 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; 2299; 3398; 3399; 4498,
4499 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, Pool, Reiff, and Zirpoli; Associate Professors Kerby, K'Olewe, D. Miller, Orza (Department Chair), and Schlossberg; Assistant Professors Burkert, Craig, Laird, Medina, Parker, and Virts; Lecturer Conley; Visiting Associate Professor Trader; Coordinator of Field Placement Travetto; Instructional Support for ASL Studies Martin.

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 Pool: elementary and middle school curriculum, educational psychology; 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 Schlossberg: counseling psychology; Professor Burkert: Coordinator of Special Education; Professor Craig: reading assessment and

instruction, reading difficulties – prevention, intervention, and remediation; Professor Laird: deaf education/deaf studies, counseling; Professor Medina: psychological foundations of education, diversity, special education; Professor Parker: curriculum and instruction, interdisciplinary programs; Professor Virts: deaf education – literacy development, curriculum and instruction; Professor Rust: deaf education/deaf studies; Professor Trader: curriculum and instruction; Professor Travetto: Professional Development Schools field placement, counseling, physical education; Professor Martin: deaf education/deaf studies.

Education Minor Program Requirements

McDaniel College 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 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 the more than 45 states involved in the Interstate Reciprocity Agreement) in either elementary (grades 1-6), secondary (grades 7-12), or P-12 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.

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 educa-

tion fields: art, biology, chemistry, English, French, German, instrumental or vocal music, mathematics, physical education, physics, social studies, or Spanish.

Professional Semester

During the Professional Semester, elementary education students complete 12 credits of student teaching at the primary and/or intermediate grade levels in a Professional Development School. Secondary education students complete 12 credits of student teaching at the middle and high school levels in a Professional Development School.

P-12 certification students complete and 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.

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. Francis (Skip) Fennell, Professor, or Dr. Sharon Craig, Assistant Professor

Secondary or P-12 Education: Dr. Ochieng' K'Olewe, Associate Professor, or Dr. Janet Medina, Assistant Professor

Education Minor Requirements:

1. All Education minors must have an Education Department adviser.
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. Plan the major and BLAR courses so that you are able to complete the student teaching semester (which will last seventeen weeks) during your senior year or immediately after graduation.

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 P-12 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 interview. 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. Students are discouraged from enrolling in EDU 1141 and EDU 2240 or EDU 2015 simultaneously.
- b) In order to enroll for any EDU 3000-level courses, students must have submitted passing scores on the Praxis I reading, writing, and mathematics tests to the Education Department, and have completed the education minor candidacy interview. Students may not register for any 3000-level Methods courses without passing scores on Praxis I.
- c) 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.
- d) Students will be asked to complete a Criminal Background Disclosure Statement for each semester in which they will be completing a school-based practicum. Serious (felony) violations will prevent them from participating in and/or completing the Education minor and Maryland teacher certification.
- e) 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).

7. Passing scores on the Praxis II (before the completion of the student teaching experience), 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 3324 Balanced Reading Instruction and Materials (includes practicum)
- EDU 3312 Teaching Science and Social Studies - Elementary School (includes practicum)
- EDU 3314 Teaching Elementary School Mathematics (includes practicum)
- EDU 4205 Assessment of Reading Instruction (includes practicum)
- SLM 3317 Children's Literature
- MAT 1106 Finite Mathematics (Dependent on math placement.)
- MAT 2242 Mathematical Structures I (Math proficiency must be documented.)
- MAT 3242 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.)
- 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.)

Recommended:

- School-Based Internship (74 hours) offered in January Term (2 hrs.)
- STA 2215 Statistics
- MAT 3322 Geometry

Suggested Schedule for the Elementary
Education Minor:

First Year

FALL

- EPE 1070 Fundamental Motor Skills (.5 cr.) [Fall or Spring]
- EPE 1043 Creative Rhythms and Dance (.5 cr.) [Fall or Spring]
- EDU 1111 Learning in a Diverse Society or EDU 1141 Teaching and Learning in a Diverse Society (Spring only for first-year students)

SPRING

- EDU 1141 Teaching and Learning in a Diverse Society
- HIS 2227 Development of Modern America or HIS 2225 Colonial America, 1607-1763

Sophomore Year

FALL [Take and pass all three parts of Praxis I – Reading, Writing, and Math]

- SLM 3317 Children's Literature
- PSY 2209 Child and Adolescent Development
- MAT 2242 Mathematical Structures I (Dependent on math placement)

SPRING

- HIS 2227 Development of Modern America or HIS 2225 Colonial America, 1607-1763
- EDU 2015 Process and Acquisition of Reading
- EDU 2115 PDS Field Practicum [2 hours, twice a week]
- Complete Education Program Candidacy Interview

Junior Year [EDU courses require passing Praxis I]

FALL

- EDU 3324 Balanced Reading Instruction and Materials
- EDU 3124 PDS Field Practicum [2.5 hours, twice a week]
- MAT 3242 Mathematical Structures II (Math proficiency must be documented.)

JANUARY

- School Based Internship Recommended (74 hours) (2 hrs.)

SPRING

EDU 3312 Teaching Science and Social Studies-Elementary School
 EDU 3112 PDS Field Practicum [2.5 hours, twice a week]
 EDU 3314 Teaching Elementary School Mathematics (includes practicum; MAT 2241 prerequisite)
 EDU 3114 PDS Field Practicum [2.5 hours, twice a week]

Senior Year

(Interview, Passing Praxis I scores, 2.75 GPA overall and in the major, grades of "C" or better in all EDU program courses are required for acceptance into the professional semester.)

FALL or SPRING

EDU 4205 Assessment in Reading Instruction

EDU 4105 PDS Field Practicum [2.5 hours, twice a week]

SPRING or FALL

EDU 4425 Professional Semester in PDS (12 hrs.)

Passing scores on Praxis II

Satisfactory completion and presentation of Exit Portfolio

MINOR IN SECONDARY EDUCATION (38 HRS.)

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 PDS Field Practicum [2 hours, twice a week]

Passing Praxis I scores in Reading, Writing, and Math

Education program candidacy interview-spring of sophomore year

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]

Recommended:

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.)

Passing Praxis II scores prior to completing student teaching semester

Successful completion and presentation of Exit Portfolio during student teaching semester

Note: Secondary education minors must complete the appropriate major in their teaching field. There are additional courses required for those wishing to teach Biology, English, Foreign Language, Mathematics, Music, Physical Education, and Social Studies. All secondary education minors should check the teacher education course listings and the corresponding major requirements that may appear below in this catalogue.

**Methods Courses:*

The required methods course depends on the area of certification. Students must have completed an Education Program Candidacy Interview and submitted passing Praxis I scores prior to enrolling in methods courses. These courses are offered on the following cycle:

FALL

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]

SPRING

- 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 3151 PDS Field Practicum [2.5 hours, twice a week]
- EDU 3351 Elementary Music Methods

P-12 TEACHER CERTIFICATION IN ART, MUSIC, OR PHYSICAL EDUCATION

Students interested in teaching art or physical education will complete a P-12 certification program. This will provide program graduates with certification to teach elementary or secondary level students in either art or physical education. To be eligible for this certification program, students must complete the basic major in either art or physical education, specified courses in either program, and the minor in secondary education, including student teaching placements in both an elementary

and secondary Professional Development School (PDS).

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. 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 3316 Geography: A Modern Synthesis
- 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]
- Provide Certifying Scores on Praxis I
- 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)
 - Provide Certifying Scores on Praxis II

III. Required Areas of Emphasis (One area of emphasis other than your major is required.):

A. History Emphasis (6 courses)

HIS 1105 Western Civilization I: Origins-1700

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 1103 or 1104 (for Political Science majors)

One Cross Cultural Studies course*

B. Political Science Emphasis (6 courses)

PSI 1101 Introduction to Political Science

PSI 2202 State & Local Government

PSI 2204 International Relations

One course from:

PSI 2201 American Political Institutions

PSI 2207 American Public Policy

One course from:

SOC 1103 Intro. Sociology or SOC

1104 Intro. to Global Societies (for History majors)

HIS 1105 Western Civilization I: Origins - 1700 or HIS 1106 Western Civilization II: 1700 - Present (for Sociology majors)

One Cross Cultural Studies course*

C. Sociology Emphasis (6 courses)

SOC 1103 Intro. Sociology or 1104 Intro. to Global Societies

SOC/CCS 1108 Cultural Anthropology

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 4427 Gender and Society
(For Political Science Majors)

HIS 1105 Western Civilization I: Origins-1700 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 (7-12) 74 hrs.

40 cr. in Art:

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

AHY 2240 Twentieth-Century Art

ART 1101 Drawing I

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]

Art (P-12) 78 hrs.

Courses listed above plus:

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) 109 hrs.

Basic Biology major (48 hrs.)

Elementary Education minor requirements

Biology (7-12 Science) 82 hrs.

Basic Biology major (48 hrs.)

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) 109 hrs.*

Basic Business Administration major (48 hrs.)

Elementary Education minor requirements

Chemistry (1-6 Elementary Certification) 111 hrs.

Basic Chemistry major (50 hrs.)
Elementary Education minor requirements

Chemistry (7-12 Science) 84 hrs.

Basic Chemistry major (50 hrs.)
EDU 3350 – Methodology in Science
EDU 3150 PDS Field Practicum [2.5 hours, twice a week]

Communication (1-6 Elementary Certification) 105 hrs.

Basic Communication major (44 cr.)
Elementary Education minor requirements

Economics (1-6 Elementary Certification) 105 hrs.

Basic Economics major (44 hrs.)
Elementary Education minor requirements

English (1-6 Elementary Certification) 109 cr.

Basic English major (48 hrs.)
Elementary Education minor requirements

English (7-12) 86 hrs.

Basic English major (48 hrs.)
(Approved by the National Council of Teachers of English)
ENG 2208: Advanced Composition
ENG 2211: Grammar and Usage
ENG 2212: Professional Communication
ENG 2213: Introduction to Literary Methods
CLT 2219: World Literature
ENG 2243: American Literature III: Modern and Contemporary
ENG 2251: Literature by Women
ENG 2258: African-American Literature
ENG 3306: Approaches to the Study of Language
ENG 3342: British Novel II
ENG 3350: Shakespeare
ENG 4492: Senior Seminar

Exercise Science and Physical Education (P-12 Physical Education) 111.5 - 115.5 hrs.

Basic EPE major (39-43 hrs.)
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 Elementary Field Practicum [2.5 hours, twice a week]

EDU 3349 Curricular Models in Elementary Physical Education

EDU 3149 PDS Secondary Field Practicum [2.5 hours, twice a week]

Foreign Languages (French, Spanish, or German 7-12) 74 hrs.

French, Spanish, or German:

Basic Language Major (40 hrs.)

EDU 3343 Methodology in Foreign Languages

EDU 3143 PDS Field Practicum [2.5 hours, twice a week]

History (1-6 Elementary Certification) 106 hrs.

Basic History major (45 hrs.)

Elementary Education minor requirements

History (7-12)

Basic History major, including two upper-level American History courses (one course covering American History before 1965 and one course covering American History after 1865)

See Social Studies certification requirements

Mathematics (1-6 Elementary Certification) 108 hrs.

Basic Mathematics major

Elementary Education minor requirements

Mathematics (7-12) 77 hrs.

MAT 1118 Calculus II

MAT 2218 Linear Algebra

MAT 2224 Fundamentals of Mathematics

MAT 2221 Fundamental Concepts of Algebra

MAT 3305 Introduction to Mathematical

Analysis

MAT 3310 History of Mathematics

MAT 3316 Complex Analysis

MAT 3322 Fundamental Concepts of

Geometry

MAT 4494 Capstone Experience in

Mathematics (1 cr.)

One of the following:

MAT 2207 Discrete Mathematics

MAT 3323 Probability

One mathematics course numbered above
2000 (excluding MAT 2241)

One hour of Mathematics Problem Seminar

CSC 1106 Computing Fundamentals I

EDU 3344 Methodology in Mathematics

EDU 3144 PDS Field Practicum [2.5 hours,
twice a week]

Music (P-12)

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 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

MUT 3310 Form and Analysis

MUL/CCS 2212 World Music

MUL 3100 World Music Ped.

MUS 3311 Instrumental Conducting

MUS 3313 Choral Conducting

MUS 1153 String Pedagogy (1 cr.)

MUS 1154 Woodwind Pedagogy (1 c.r.)

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 senior 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]

Philosophy (1-6 Elementary Education) 101 hrs.

Basic Philosophy major (40 hrs.)

Elementary Education minor requirements

Physics (1-6 Elementary Education) 110 hrs.

Basic Physics major (49 hrs.)

Elementary Education minor requirements

Physics (7-12 Science) 87 hrs.
 Basic Physics major (49 hrs.)
 CSC 1106 Fundamentals of Computing I
 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) 103 hrs.*
 Basic Political Science major (42 hrs.)
 Elementary Education minor requirements

*Political Science and International Studies (7-
 12 Social Studies) 76 hrs.*
 Basic Political Science major (42 hrs.)
 CSC 1104 Introduction to Computer Science
 recommended
 See Social Studies certification requirements

*Psychology (1-6 Elementary Certification) 105
 hrs.*
 PSY 1106 Introduction to Psychology
 PSY 2201 Psychology of Learning and Animal
 Laboratory
 PSY 2209 Child and Adolescent Development
 PSY 2223 Psych. Methods I: Measurement &
 Assessment
 PSY 2224 Psych. Methods II: Research Design
 & Analysis
 PSY 3211 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 facul-
 ty member. One capstone course is offered
 as 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
 CSC 1104 Introduction to Computer
 Science or CSC 1106 Fundamentals of
 Computing I
 Elementary Education minor requirements

*Religious Studies (1-6 Elementary Education)
 103 hrs.*
 Basic Religious Studies major (42 hrs.)
 Elementary Education minor requirements

Social Work (1-6 Elementary Education) 105 hrs.
 Basic Social Work major (44 hrs.)
 Elementary Education minor requirements

Sociology (1-6 Elementary Education) 103 hrs.
 Basic Sociology major (42 hrs.)
 Elementary Education minor requirements

Sociology (7-12 Social Studies) 76 hrs.
 Basic Sociology major (42 hrs.)
Recommended:
 CSC 1104 Introduction to Computer Science
 See Social Studies certification requirements

*Theatre Arts (1-6 Elementary Certification) 107
 hrs.*
 THE/EDU 3001 Teaching Theatre to Young
 People
 Basic Theatre Arts major (42 hrs.)
 Elementary Education minor requirements

Education Course Descriptions (EDU)

**1111 (FR) Learning in a Diverse
 Society**

4 credits

An overview of education in the U.S. includ-
 ing an introduction to the role of various per-
 sonnel in the school environment. The cogni-
 tive, affective, and psychomotor characteris-
 tics, as well as the personal, social, and moral
 development of school-age students are identi-
 fied and explored with an emphasis on the
 class' own experiences in education. Topics
 include self-concept, motivation, ethics, main-
 streaming, communication skills, at-risk popu-
 lations, standardized tests, and multicultural-
 ism, 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, mid-
 dle, and high school. The course includes psy-
 chology of teaching and learning, related edu-
 cational 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 instruc-

tional 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.

2015 Processes and Acquisition of Reading

4 credits

The acquisition of reading including the foundations of reading development, and the interactive nature of the reading process are key areas of emphasis in this course. Participants explore the purposes for reading and various text formats within a balanced literacy program. The course content addresses language acquisition, phonological awareness, phonics, vocabulary knowledge, comprehension strategies, and cognitive development in relation to literacy acquisition. A 2-hour, twice a week practicum for the semester at a local elementary school is the field experience for this course.

Prerequisite: Education 1111 or 1141, sophomore status. This course is for Elementary Education students only.

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 2-hour, twice a week practicum for the semester at a local elementary or secondary Professional Development School (PDS) during the semester.

Prerequisites: Education 1111 or 1141, sophomore status. This course is for Secondary Education students only.

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 the 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 at a local elementary Professional Development School (PDS) is the field experience for this course. This course is to be completed concurrently with Education 3314.

Prerequisites: Praxis I; Education 1111 or 1141, and 2015; junior status.

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 at a local elementary Professional Development School (PDS) is the field experience for this course. This course is completed concurrently with Education 3312.

Prerequisites: Praxis I; Education 1111 or 1141, and 2015; Mathematics 1106, 2242, and 3342; junior status.

3324 Balanced Reading Instruction and Materials

4 credits

Theoretical and practical issues related to the design and implementation of a balanced literacy program are examined in this course. Students will critically analyze and implement developmentally appropriate instructional practices for motivation, word recognition, comprehension, vocabulary development, and intervention. The course addresses the organization and management of balanced reading instruction and incorporates the selection and strategic use of effective instructional materials. A 2.5-hour, twice a week practicum for the semester at a local elementary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Praxis I; Education 1111 or 1141,

and 2015; junior status. This course is for Elementary Education students only.

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, classroom 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 at a local secondary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Praxis I; Education 1111 or 1141, and 2240.

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

Examines informal and formal assessment techniques, processes, and instruments within an interactive assessment-instruction framework. Students analyze state, local, and classroom assessments in order to evaluate individual, group, and school performance. The course content incorporates administration, scoring, interpretation, and reporting procedures for a variety of assessment tools. Effective techniques for the communication of assessment results are also addressed. A 2.5-hour, twice a week practicum for the semester at a local elementary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Praxis I; Education 1111 or 1141,

2015, 3312, 3314, and 3324; junior status.

This course is for Elementary Education students only.

4417 Reading in the Content Areas: Part I

4 credits

Examines the elements of the reading process that are essential for success in reading at the secondary level, including: types of reading for both narrative and expository text, methods of assessment, cognitive strategies to develop reading comprehension, classroom instructional strategies, and motivational factors. This course links theory with practice in content area reading. A 2.5-hour, twice a week practicum for the semester at a local secondary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Praxis I; Education 1111 or 1141, and 2240; junior status. This course is for Secondary Education students only.

4418 Reading in the Content Areas II

2 credits

This course is an extension of concepts presented in 4417 Reading in the Content Areas: Part I. The course focuses on teaching reading at the middle and high school levels in order to enhance student ability to construct meaning from text. Reading and writing strategies appropriate for secondary students are examined, including technical reading/writing, cognitive strategies in reading/writing, effective integration of reading/writing instruction into the secondary classroom, and various assessment methods. Classroom observations of experienced teachers in content areas are an integral component of this course. A 2.5-hour, twice a week practicum for the semester at a local secondary Professional Development School (PDS) is the field experience for this course.

Prerequisites: Praxis I; Education 1111 or 1114, 2240, 4417, and 3340-3351; junior or senior status. This course is for Secondary Education students only.

**4422 Elementary Student Teaching
– Primary/Half-semester –
Professional Development School
Placement**

6 credits

An internship teaching at the elementary school level in a 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, 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 at the elementary school level in a 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, 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 at the elementary school level in a 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, 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 at the middle 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, 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 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, 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 or
Physical Education)**

6 credits

An internship teaching at the elementary 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, 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 or Physical Education)

6 credits

An internship teaching at the secondary school level. 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 2.50 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.

English

Professors Dalton, Mangan, Panek (Department Chair), Regis, and Sapora; Associate Professors Bendel-Simso, R. Carpenter, and Kachur; Assistant Professors Dobson and Williams-Forsen; Instructor Jasken; Senior Lecturers S. Seibert and Spence; Adjunct Lecturers Breslin, Kohl, Morton, Myers, Sevik, and Wollenweber.

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 Dobson: advanced writing and rhetoric; 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 Sapora: medieval literature, linguistics, critical theory; Professor S. Seibert: composition; Professor Spence: English as a second language, grammar; Professor Williams-Forsen: 19th- and 20th-century African-American social, cultural, and literary history.

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, journalism, professional writing, business, library science, social work, government service, public relations, and law.

Other Educational Options in English: Minors in Comparative Literature, English/American 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 starting on page 190 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 3.40 or above in all courses taken in the major;
- Earn an "A" in ENG 4492 and have the unqualified recommendation of the instructor; and
- Have the recommendation of the English department.

BASIC ENGLISH MAJOR (48 hours, 20 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 writing course (above ENG 1102), from
ENG 2204 Advanced News Reporting and Writing
ENG 2206 Creative Writing – Fiction
ENG 2207 Creative Writing – Poetry
ENG 2208 Advanced Composition
ENG 2212 Professional Communication
ENG 2214 Editing and Desktop Publishing
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. One course about British literature before
 1660, from
 ENG 2230 Beowulf to Mallory
 ENG 2231 Renaissance literature
 ENG 3350 Shakespeare
 ENG 3360 Chaucer
 And selected ENG 3363 and 3381 offerings
 5. One course about British literature before
 1901, from
 ENG 2232 Enlightenment
 ENG 2233 Romantics
 ENG 2234 Victorians
 ENG 3341 British Novel I
 ENG 3342 British Novel II
 ENG 2230, 2231, 3350, 3360
 selected ENG 3363 and 3381 offerings
 6. One course about American literature, from
 ENG 2241 Colonial and Romantic
 ENG 2242 Realism and Naturalism
 ENG 2243 Modern and Contemporary
 ENG 2253 Southern Literature
 ENG 2254 Nature Writing
 ENG 2255 Short Story Cycle
 ENG 2256 20th-Century American Poetry
 And selected ENG 3364 and 3381 offerings
 7. One course that examines a historically
 underrepresented literature, from
 ENG 2250 Post-Colonial Literature
 ENG 2251 Literature by Women
 ENG 2258 African-American Literature
 And selected ENG 3363, Eng 3364, and
 3381 offerings.
 8. Four elective courses in literature or
 advanced writing.

*Please see course listing below or the English
 department Web site
 (<http://www2.mcdaniel.edu/English/>) for a com-
 plete listing of elective courses.*

MAJOR FOR TEACHER CERTIFICA- TION IN ENGLISH (48 hours)

- (Approved by the National Council of
 Teachers of English)
 ENG 2208 Advanced Composition
 ENG 2211 Grammar and Usage
 ENG 2212 Professional Communication
 ENG 2213 Introduction to Literary Methods

- CLT 2219 World Literature
 ENG 2243 American Literature III: Modern
 and Contemporary
 ENG 2251 Literature by Women
 ENG 2258 African-American Literature
 ENG 3306 Approaches to the Study of
 Language
 ENG 3342 British Novel II
 ENG 3350 Shakespeare
 ENG 4492 Senior Seminar

MINOR IN WRITING (20 hours)

1. Three courses in Intermediate Writing, from
 ENG 2204 Advanced News Reporting and
 Writing
 ENG 2206 Creative Writing – Fiction
 ENG 2207 Creative Writing – Poetry
 ENG 2208 Advanced Composition
 ENG 2212 Professional Communication
2. One course in Advanced Professional
 Communication, from
 ENG 3307 Writing in Digital
 Environments
 ENG 3308 Writing in Law and Policy
 ENG 2298, 2295, 2296, 3395, 3396, 4495
 Internship in English
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 Ms. Jasken,
 English.*

MINOR IN JOURNALISM (24 hours)

- ENG 1103 Introduction to Journalism
 ENG 2204 Advanced News Reporting and
 Writing
 ENG 2205 Media Ethics
 ENG 2214 Editing and Desktop Publishing
 ENG 2298 Internship
 And one course chosen from
 ENG 2208 Advanced Composition
 ENG 2210 Media and Politics
 ENG 2212 Professional Communication
Contact Mr. Dalton.

MINOR IN LITERATURE (28 credits)

- ENG 2213 Introduction to Literary Methods

and Critical Approaches
And Six electives — at least 2 of which must
be at the 3000-level.
Contact Dr. Panek.

English Course Descriptions (ENG)

1002 College Composition

4 credits

Focus on 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 Composition and Reading I

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.

1102 Composition and Reading II

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.

Prerequisite: ENG 1101 or placement determined by the English department.

Successful completion of English 1002, 1101, and 1102 with acceptable writing competence satisfies the English Competence requirement.

1103 Introduction to Journalism

4 credits

A study of the news media in America, including 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.

Successful completion of English 1101 and 1102 with acceptable writing competence satisfies the English Competence requirement. English 1101 and 1102 or the equivalent or permission of the instructor are prerequisites for all English courses numbered 2000 and above.

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 poetry writing. Students will read modern and contemporary poetry by such authors as Elizabeth Bishop, Robert Lowell, Philip Levine, Sharon Olds, and Robert Hayden. Student poems will be critiqued weekly in the class workshop.

2207 Creative Writing – Fiction

4 credits

A workshop in writing short fiction. Class discussion focuses on student writing and stories by recognized contemporary authors.

2208 Advanced Composition

4 credits

Designed to assist writers in making their prose more sophisticated and interesting to read. Students write a series of non-fiction essays on topics personal or general, which workshops and revisions polish and refine.

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.

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.

Prerequisites: English 1102.

3306 Approaches to the Study of Language

4 credits

An introduction to the principles and methods of linguistics, the social science that treats language, with particular emphasis on productive uses of linguistics in the humanities. Students are encouraged to see linguistics as an evolving tradition of analysis, rather than a unified and complete system that arose full-blown. Humanities.

Cross-listed with Communication 3306.

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.

Prerequisites: English 1102; English 2212 or 2214.

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. Humanities.

Prerequisite: English 1102; English 2208, 2212, or 2214, or permission of the instructor.

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 recognize and explain the persuasive powers these forms exert over audiences. The course develops students as critical observers and consumers of everyday discourse. Humanities.

Prerequisite: English 1102; English 2208, 2212, or 2214, or permission of the instructor.

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. Humanities.

Prerequisite: English 1102; English 2208, 2212, or 2214, or permission of the instructor.

Period Courses:

English 1101 and 1102 or the equivalent or permission of the instructor are prerequisites for all English courses numbered 2000 and above.

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 the history of English and American literature, explore major approaches to literary criticism, and gain experience in writing critical papers. Students should take this course early in their consideration of the major. It is a prerequisite for all 3000 level departmental literature courses. Humanities.

Prerequisite: English 1102.

2230 Beowulf to Mallory

4 credits

A survey of the major works of English literature from the 7th to the early 16th century, with attention given to their artistry and the ways in which the works reflect the cultures from which they arose. In addition to *Beowulf*, students explore works by Chaucer, the Gawain poet, and others. Humanities.

Offered in 2004-2005 and alternate years.

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. Humanities.

Offered in 2005-2006 and alternate years.

2232 Enlightenment Literature

4 credits

An exploration of the diverse body of literature produced from 1660 to 1819. It begins with the writings of Locke, Newton, and others who shaped the thinking of the period and proceeds to the works of significant literary

figures such as Dryden, Pope, Behn, Swift, Johnson, Walpole, Richardson, Austen, and others.

Humanities.

Offered in 2004-2005 and alternate years.

2233 Romanticism

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. Humanities.

Offered in 2004-2005 and alternate years.

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. Humanities.

Offered in 2004-2005 and alternate years.

2241 American Literature: Colonial and Romantic

4 credits

A survey of American literature from its inception to the Civil War. Students explore the social, intellectual, and historical context of writers such as Franklin, Jefferson, Emerson, Thoreau, Hawthorne, Poe, and others. Humanities.

Offered in 2004-2005 and alternate years.

2242 American Literature: Realism and Naturalism

4 credits

A survey of American literature from the Civil War to World War I. Students explore social, intellectual, and historical contexts of writers such as Whitman, Dickinson, Freeman, Jewett, Twain, James, Gilman, Chopin, Crane, Norris, Wharton, Dreiser, and Cather.

Humanities.

Offered in 2005-2006 and alternate years.

2243 American Literature: Modern and Contemporary.

4 credits

A survey of American literature from World War I to the present. Students explore social, intellectual, and historical contexts of writers such as Frost, Eliot, Stevens, Fitzgerald, Faulkner, Hughes, Welty, O'Connor and Walker.

Humanities.

Offered in 2005-2006 and alternate years.

2270 Twentieth-Century British Literature

4 credits

A study of the direction that British literature took in the first four decades of the 20th century. Authors will include Conrad, Lawrence, Joyce, Woolf, Hardy, Eliot, and Yeats.

Students will examine technical innovations such as stream of consciousness and fragmentation. Discussion of the impact of Freud and the Great War on England's psyche will also be a focus of studies.

Humanities.

Offered in 2005-2006 and alternate years.

Special Topic Courses:

English 1101 and 1102 or the equivalent or permission of the instructor is prerequisite for all English courses numbered 2000 and above.

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.

Humanities, Cross Cultural Studies.

Offered in 2005-2006 and alternate years.

2251 Literature by Women

4 credits

A survey of literature written by women, including poetry, prose, drama, and non-fiction. 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.

Humanities.

Offered in 2004-2005 and alternate years.

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.

Humanities.

Offered as needed.

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.

Humanities.

Offered as needed.

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.

Humanities.

Offered as needed.

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*.

Humanities.

Offered as needed.

2256 20th-Century American Poetry

4 credits

An examination of significant American poetry of the 20th century. Poets covered will include Masters, Williams, Stevens, Plath, Ginsberg, Baraka, Hughes, Rich, Sexton, and Moore.
Humanities.
Offered as needed.

2258 African-American Literature

4 credits

An examination of the African-American oral and written literary legacy which traces its history as a distinct literary tradition and 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.
Humanities.
Offered in 2004-2005 and alternate years.

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.
Humanities.
Offered as needed.

2271 Contemporary British Literature

4 credits

An introduction to British literature from the 1950s to the present. With a focus on topics including humor, politics, nostalgia, nihilism, and multiculturalism, students examine Booker and Whitbread prize-winning authors such as Murdoch, Rushdie, Ishiguro, Baker, Bryant, Lodge, and Winterson, as well as a selection of poetry and contemporary British films.
Humanities.
Offered as needed.

Novel Courses:

English 1101 and 1102 or the equivalent or permission of the instructor are prerequisites for all English courses numbered 2000 and above.

3341 British Novel I

4 credits

A survey of the British novel from its beginnings in the 17th century through the 18th century and romantic periods. Students address the social, intellectual, and historical contexts of significant works as well as the themes and developing form of the novel.
Humanities.
Prerequisite: English 2213.
Offered in 2004-2005 and alternate years.

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.
Humanities.
Prerequisite: English 2213.
Offered in 2005-2006 and alternate years.

3343 American Novel

4 credits

A survey of American novels from its inception, 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.
Humanities.
Prerequisite: English 2213.
Offered 2004-2005 and alternate years.

Figure Courses:

English 1101 and 1102 or the equivalent or permission of the instructor are prerequisites for all English courses numbered 2000 and above.

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.

Humanities.

Prerequisite: English 2213.

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.

Humanities.

Prerequisite: English 2213.

Offered in 2004-2005 and alternate years.

3363 Major Figures and Groups I (British)

4 credits

An intensive study of the work of a major British writer or related group of writers.

Humanities.

Prerequisite: English 2213.

3364 Major Figures and Groups II (American)

4 credits

An intensive study of the work of a major American writer or related group of writers.

Humanities.

Prerequisite: English 2213.

ENG 3381 Fiction

4 credits

A study of British or American Fiction, either in the novel or short story as a type of literary expression.

Humanities.

Prerequisite: English 2213.

Senior Seminar, Independent Studies, and Internships:

English 1101 and 1102 or the equivalent or permission of the instructor are prerequisites for all English courses numbered 2000 and above.

2295; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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 prepare a major papers.

Prerequisite: Must have a 2.00 GPA in major or permission of instructor.

Exercise Science and Physical Education

Professors J.R. Carpenter and Ober (Department Chair); Assistant Professor McCole; Coach Lecturers Dull, Easterday, Hyman, Lachman, Martin, Molloy, Nibbelink, Renner, Seibert, and Townsend.

Areas of particular teaching interest:

Professor Carpenter: sport psychology and sport sociology; Professor McCole: exercise physiology; 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 options pointed toward careers in specific professional areas of Exercise Science and Physical Education such as teaching certification in elementary-secondary school physical education. (This P-12 certification program is approved by the Maryland State Department of

Education.) Coaching, sports medicine, sports management, health and leisure industries, and graduate school preparation are available. In addition, students with more diversified career interests may build on the basic major consistent with their objectives.

Other Educational Options in Exercise Science and Physical Education: Minors are offered in athletic training, outdoor education, sports coaching, sports journalism, sports management, and sports science. A dual major, Exercise Chemistry, is offered with the Chemistry Department.

Activity

McDaniel College requires that each student demonstrate competence in activities that fall into two broad categories: fitness (courses numbered 1002-1055, 1141-1155), and skill activities (all other activities). Of the four activity competencies required, at least one must be from each category. This requirement may be satisfied by demonstration of competence through certification or testing, by participation on intercollegiate sports teams, or by successfully completing courses chosen from those offered.

Many of the activity courses listed will be offered each semester. 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 may not enroll for credit in any activity in which competency has been demonstrated. A student may not 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 fitness and skill experiences. Canoeing, skiing, backpacking, weight training, and step aerobics are among the varied offerings from which students may choose. The College requires that each student demonstrate proficiency in activities that fall into two cate-

gories: fitness or skill. Of the four activity proficiencies required, at least one must be from each category.

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 some of these courses may add depth to their chosen major field of study to enhance career opportunities.

Majors and non-majors alike may also want to fulfill one or more of the 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 starting on page 190 for dual majors with Chemistry.

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 3.40 GPA in all courses taken in the major
- submit an appropriate paper of suitable academic quality
- receive a recommendation from the Department faculty

BASIC MAJOR (39-43 HRS.)

EPE 1211 Hist. & Phil. of Phys. Ed. & 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 Seminar in EPE - Capstone

(1 hr.)

Four activities beyond BLAR

BIO 1111 Principles of Biology I

BIO 2211 Human Physiology

CHE 1121 Essentials of Gen., Org., &

Biochem. or CHE 1101 Intro. Chem. I:

Structure & Bonding and/or CHE 1102

Intro. Chem. II: Chemical Reactivity

PSY 1106 Introduction to Psychology

Suggested First Semester Schedule

EPE 1211 FYS Hist. & Phil. of Physical

Educ. & Sport

or another First-year Seminar

ENG 1101 Composition & Reading I

Language 1101 or 1103 Elementary level For.
Lang.

PSY 1106 Introduction to Psychology or

BLAR (Heritage

Sequence/Humanities/Global Perspective)

or BIO 1111 Principles of Biology I

MINOR IN ATHLETIC TRAINING

(24-25 HRS.)

EPE 1141 Fund. Of Exercise &

Conditioning-non EPE majors (1 hr.)

EPE 2225 Prevention & Care of Athletic
Injuries

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 Hist. & Phil. of Physical Educ. &
Sport

EPE 2215 Adapted Physical Education

EDU 3348 Curricular Models in Elem. P.E.

EPE 3398 Independent Studies in EPE

Outdoor Education Practicum (January Term)
(2 hours)

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 Fund. of Exercise & Conditioning
(1 hr.)/Non-EPE Majors

EPE 1245 Sport in American Society

EPE 2225 Prevention & Care of Athletic
Injuries

EPE 2238 Sports Coaching & Management

EPE 2240 Sport Behavior

PSY 1106 Introduction to Psychology

PSY 2209 Child & Adolescent Development

or PSY 3306 Adolescent Development &
Behavior

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 2203 Introduction to Journalism

ENG 2204 Journalism II

EPE 2295 Internship in EPE or ENG 2295
Internship in ENG

One course from:

COM 1102 Interpersonal Comm.

COM 1103 Mass Comm.

COM 1110 Public Speaking

ENG 2205 Media Ethics

EPE 3345 American Sports Novel

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN SPORTS MANAGEMENT (24 HRS.)

EPE 1245 Sport in American Society

EPE 2238 Sports Coaching & Management

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

BUA 4323 Corporate Finance & Financial
Management

Contact: Dr. Ober, Exercise Science & Phys. Ed.

MINOR IN SPORT SCIENCE-non EPE majors only (24 HRS.)

BIO 1111 Principles of Bio. I

BIO 2211 Human Physiology

CHE 1121 Essentials of Gen., Org., & Biochem. or CHE 1101 Intro. Chem. I: Struc. & Bonding and CHE 1102 Intro. Chem. II: Chemical Reactivity

Two courses from:

EPE 1245 Sport in American Society

EPE 2223 Motor Development

EPE 2230 Biomechanics & Applied Anat.

EPE 2240 Sport Behavior

EPE 3222 Physiology of Exercise

EPE 3325 Nutrition

One course from:

CHE 2217 Organic Chem. I

PHY 1101 General Physics I

PSY 2201 Psych. of Learning

PSY 2202 Behavior Modification

PSY 3303 Psych. 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 and carries 0.5 semester-hour credit.

Fitness Activities:

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 Fitness Activities

Skill Activities:

1066 Special Topics in Skill 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 activities meets approximately 30 hours per semester and carries one semester-hour credit (except for 1176 and 1178).

Fitness Activities:

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 Fitness Activities

1 credit

Skill Activities:

1166 Special Topics in Skill 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.

Humanities.

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.

Humanities.

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 or passing Arithmetic Proficiency Exam, Mathematics 1002 or passing Algebra Proficiency Exam. Natural Science and Mathematics.

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 of humans throughout the 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 passing Arithmetic Proficiency Exam. Natural Science and Mathematics.

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.
 Humanities.

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; 2266; 3365; 3366 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; 2296; 3395; 3396 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; 2299; 3398; 3399 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 (Department Chair); Associate Professors Esa, D. Evergates, and Henriette; Assistant Professor McNichols.

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.

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. 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, Austria, Spain, and Germany, 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, 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 Study Abroad Adviser.

Other Educational Options in Foreign Languages: Dual majors with another language, Business Administration, Communication, Economics, History, or Political Science; Secondary Teacher Certification (middle/high school). The department also offers minors in each of the major languages. Only one course in English may count toward the minor. A student may elect a major 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 starting on page 190 for dual majors with Business Administration, Communication, Economics, History, and Political Science.

Departmental Honors

See the Department Chair for requirements for Department Honors.

MAJOR IN FRENCH (40 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/CCS 1123 The French Speaking World
 or FRE 1131 Culture of France

Two 2000-level courses

FRE 3301 Intro. to the Study of French Lit. I

FRE 3302 Intro. to the Study of French Lit. II

FRE 3320 French/English Translation or any other FRE 3000-level course

FRE 4410 Adv. Studies in French - Capstone (4410 must be taken at McDaniel College)

One additional French course

One semester spent studying abroad or one year in residence in a language house on campus

Suggested First-Year Schedule:

FRE 1101-1102 or 1103; or FRE 2211-2212, depending upon placement (or any FRE 2000-level courses)

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 The Francophone World and the Media or any other FRE 2000-level course

FRE 2212 France and the European Community or any other FRE 2000-level course

FRE/CCS 1123 The French Speaking World
 or FRE 1131 Culture of France

At least one 3000-level French course

MAJOR IN GERMAN (40 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 1111 German Cinema

or GER 1125 From the Holocaust to German Reunification
 or GER 1131 Culture of German-Speaking Countries
 or GER 2231 German Women in Literature & Society
 GER 2211 Interm. Ger. I: Language and Culture or any other German 2000-level course
 GER 2212 Interm. Ger. II: Conversation and Composition or any other German 2000-level course
 GER 3301 Intro. to the Study of German Literature I or any other German 3000-level course
 GER 3302 Intro. to the Study of German Literature II
 GER 3320 German/English Translation or any other German 3000-level course
 GER 4410 Capstone - Advanced Studies in German (4410 must be taken at McDaniel College)
 One additional German course
 One semester spent studying abroad or one year in residence in a language house on campus

Suggested First-Year Schedule:

GER 1101-1102 or 1103, or GER 2211-2212, depending upon placement (or any GER 2000-level course)

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 1111 German Cinema
 or GER 1125 From the Holocaust to German Reunification
 or GER 1131 Culture of German-Speaking Countries
 or GER 2231 German Women in Literature & Society
 GER 2211 Interm. Ger. I: Language and Culture or any other German 2000-level course

GER 2212 Interm. Ger. II: Conversation and Composition or any other German 2000-level course
 At least one 3000-level German course

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 Interm. 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
 GER 1131 Culture of German-Speaking Countries or any course in English about German-speaking countries
 GER 2231 German Women in Literature & Society

MAJOR IN SPANISH (40 HRS.)

SPA 1101 Elementary Spanish I
 SPA 1102 Elementary Spanish II
 or SPA 1103 Advanced Elem. Spanish (depending on placement)
 (Students placing at the 2000 level or higher are exempt from taking lower level courses.)
 SPA 1131 Cultural History of Spain or SPA/CCS/HIS 2223 Cultural History of Latin America
 SPA 2211 The Hispanic World: Language & Society
 SPA 2212 The Hispanic World: Language & Society or any 2000-level course in Spanish
 SPA 3301 Intro. to the Study of Hispanic Literature I
 SPA 3302 Intro. to the Study of Hispanic Literature II
 SPA 3320 Spanish/English Translation or any 3000-level course in Spanish
 SPA 4410 Capstone - Advanced Studies in Spanish (4410 must be taken at McDaniel College)

One additional Spanish course
 One semester spent studying abroad or one year in residence in a language house on campus

Suggested First-Year Schedule:
 SPA 1101-1102 or 1103, or 2211-2212, depending upon placement (or any SPA 2000-level course)

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 1131 Cultural History of Spain or SPA/CCS/HIS 2223 Cultural History of Latin America
 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

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 has become 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 Studying 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
 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

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. Foreign Language.

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. Foreign Language.

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. Global Perspective, Humanities. 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.) as reflected in the main provinces (Ile-de-France, Normandy, Burgundy, Brittany, Provence, the Basque Country). This course is taught in English. Humanities.

2211 The Francophone World and the Media

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 the equivalent.* Foreign Language.

2212 France and the European Community

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: French 2211 or the equivalent.* Foreign Language.

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: French 2211 or 2212, or the equivalent.* Foreign Language, Humanities.

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: French 2211 or 2212, or the equivalent.* Foreign Language, Humanities.

3310 Advanced Studies in French

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: French 3302 or the equivalent, or placement in 3310 by permission of the instructor.*

3320 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: French 2212 or permission of the instructor.*

3330 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.

4410 Advanced Studies in French

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: French 3302 or the equivalent.

2265; 2266; 3365; 3366; 4465;

4466 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; 2296; 3395; 3396; 4495;

4496 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; 2299; 3398; 3399; 4498;

4499 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.

Foreign Language.

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.

Foreign Language.

1111 German Cinema

4 credits

A study of 20th-century German identity, culture, history, and politics through film analysis and readings of literary and popular culture texts. This class is taught in English.

Humanities.

1125 (FR) From the Holocaust to German Unification

4 credits

A study in German culture from the darkest period of German history (1933-1945) to the present. This course includes an examination of the Nazis' rise to power, their political, economical, social, and racist programs, that not only led to WWII but also to the Holocaust; a close look at divided Germany, the fall of the Berlin Wall that led to German unification, and beyond.

This class is taught in English.

Humanities.

1131 Culture of German-Speaking Countries

4 credits

A study of the influences that have shaped the three German-speaking countries through the ages, with insight into all aspects of German culture (geography, history, the arts, folklore, women's issues, politics, economics, gastronomy, etc.).

This course is taught in English.

Humanities.

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 the equivalent.

Foreign 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.
Foreign Language.

2221 Principles of German for Business

4 credits

An introduction to basic vocabulary and practices of German business in such areas as communication, banking, marketing, retail/wholesale, export/import, energy, and transportation.

Prerequisite: German 2211 or permission of instructor.

Foreign Language.

2231 Women in German Literature and Society

4 credits

An exploration of the changing literary and social roles and images of women in Germany in the 19th and 20th centuries through discussions and reading of representative works by German women writers presented in their sociopolitical and cultural context. Of special interest will be the developments in the Third Reich, after 1945, and after the fall of the Berlin Wall in 1989. Works discussed will include authors such as Rahel Varnhagen, Bettina von Arnim, Anna Seghers, Ingeborg Bachmann, Christa Wolf, May Ayim, and others. This course is taught in English.

Cross-listed with Comparative Literature 2231 and Interdisciplinary Studies 2231.

Humanities.

3301, 3302 Introduction to the Study of German Literature

4, 4 credits

Analysis of major representative works from German literature.

Prerequisite: German 2212.

Humanities, Foreign Language.

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: German 3302.

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 German language as used in international trade, intercultural conduct, international banking, structure of industry, establishment of companies, advertising, trade fairs, exhibitions, etc.

Prerequisite: German 2221 or permission of instructor.

Foreign Language.

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: German 3302.

2265; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495;
4496 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; 2299; 3398; 3399; 4498;
4499 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.

Foreign Language.

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)

1101 Basic Hungarian (offered every Spring semester)

1 credit

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. Foreign Language.

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.

Foreign 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.

Foreign Language, Humanities.

Cross-listed with Comparative Literature 2255.

2265; 2266; 3365; 3366 Special Topics in Latin

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; 3398; 3399 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. Foreign Language.

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. Foreign Language.

1125 Studies in Hispanic Literature in English Translation

4 credits

Spanish and Spanish-American literature in translation. The topic changes each year. Humanities. Cross-listed with Comparative Literature 1125.

1131 Cultural History of Spain

4 credits

A study of diverse aspects of the culture and history of Spain and the contributions of Hispanic culture to Western Society. This course is taught in English.

1151 (FR) Hispanic Novels to Films

4 credits

A study of screen adaptations of 20th-century narratives from Spain and Latin America. Readings are in English translation. This course will provide insights into the Hispanic world as well as the aesthetics of screen adaptation. This course is taught in English. Humanities.

2211, 2212 The Hispanic World: Language and Society

4, 4 credits

Practice in oral and written Spanish while analyzing the social elements and cultural expressions of the Hispanic world. *Prerequisite: Spanish 1102 or the equivalent.* Foreign Language.

2223 Cultural History of Latin America

4 credits

Historical and contemporary culture of Latin America. This course is taught in English. Global Perspective, Humanities. Cross-listed with Cross Cultural Studies 2223 and History 2223.

3301, 3302 Introduction to the Study of Hispanic Literature I, II

4, 4 credits

Analysis of major representative works from Spanish and Latin American literatures. *Prerequisite: Spanish 2212 or the equivalent.* Foreign Language, Humanities.

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 3302 or placement in 3310 by permission of the instructor.*

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: Literatura medieval española; Teatro del Siglo de Oro; Cervantes; La Generación del 98; Teatro español del siglo XX; Novela/Cine de España; Literatura latinoamericana contemporánea.

Prerequisite: Spanish 3302.

2265; 2266; 3365; 3366; 4465;

4466 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. Foreign Language.

2295; 2296; 3395; 3396; 4495;

4496 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; 2299; 3398; 3399; 4498;

4499 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: Associate Professors Dundes (Sociology) and Wladkowski (Chemistry)

FORENSIC SCIENCE (28 hours)

SOC 1104 Introduction to Global Societies

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

BIO 1108 Human Biology or BIO 1111 Principles of Biology I

Recommended but not required ENG 3308 Writing in Law and Policy

General Science

Professors Alspach, Herlocker, Iglich, Pagonis, and R. Smith; Associate Professors Mian, Mitschler, and Wladkowski; Assistant Professors Marx and Nilsson; Lecturers M. Smith, Stempel, and Toller.

No major is offered in this field.

General Science Course Descriptions (GSC)

1111 Introductory Astronomy

4 credits

A study of the stars and stellar evolution, the solar systems, galaxies, and cosmology, with emphasis on contemporary topics. Natural Science and Mathematics. Cross-listed with Physics 1111.

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.
Natural Science and Mathematics.
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.

Natural Science and Mathematics.
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 intelligence, habitable worlds, and the cosmic cataclysms that threaten our continuing existence will also be discussed.

Current NASA missions and spacecraft that are devoted to this pursuit will be highlighted. The lecture material will be augmented by in-class videos and "mini-labs."

Natural Science and Mathematics.

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.

Natural Science and Mathematics.
Offered as needed.

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.
Natural Science and Mathematics.
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.
Natural Science and Mathematics.

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.

Natural Science and Mathematics.

Prerequisite: Mathematics 1001 or passing the arithmetic portion of the mathematics proficiency test.

1135 Radioactivity And Its Social Consequences

4 credits

A study of nuclear decay (radioactivity) from its discovery in the 1890s until the present. Topics include factors causing and affecting radioactivity and applications (weapons, power plants, medicine, dating, and art/archaeology).
Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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 passing the mathematics proficiency test.

Natural Science and Mathematics.

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.

Heritage Sequence, Natural Science and Mathematics.

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.

Heritage Sequence, Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

2265; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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 course in Geography is offered in conjunction with the college graduate program. Students in the social studies education program are given enrollment priority and then all other students.

No major is offered in this field.

Geography Course Descriptions (GEO)

3316 Geography: A Modern Synthesis

4 credits

A focus on human geography, how humans impact the physical environment based on cultural alternatives and options. Consequently the emphasis is on applied analytical aspects of economics, political science, and sociology. Attention is given to systems, cycles, and trends within the disciplines as examples of modern geographic analysis. The course is also designed with an aim of understanding the application of the five geographic themes.

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, P. Miller, and Reed (Department Chair); Assistant Professors de Pee and Upton.

Areas of particular teaching interest:

Professor T. Evergates: medieval and early modern Europe; Professor D. Evergates: Greek and Roman history, women's history; Professor Reed: early America, race and gender; Professor Miller: modern Europe; Professor Upton: modern America, African-American history, Professor de Pee: early Asian history, China.

History is the study of our engagement with the past—the individuals, societies, and civilizations that have shaped the modern world. Historians ask questions about how people have lived, felt and thought from early times to the present. The History Department offers courses in the social, cultural, and political history of America, Europe, and the ancient world. History majors have gone on to graduate school or to a wide range of careers including law, business, education, government service, and business.

Other Educational Options in History:

Dual majors with English, a Foreign

Language, Art History, and Political Science; Teacher Certification Secondary (middle/high school) in Social Studies. Minors in History, American History, and European History, and Classical Civilization.

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

Please see the Dual Major section starting on page 190 for dual majors with Art History, English, Foreign Language, and Political Science.

Departmental Honors

See the History Department Chair for specific requirements.

BASIC MAJOR (45 HRS.)

HIS 1105 Western Civilization I: Origins – 1700

HIS 1106 Western Civilization II: 1700 – Present

HIS 2292 Introductory Seminar for History Majors

HIS 3398 Independent Study in History (1 hr.)

HIS 4492 Capstone – History Colloquium

Seven additional courses (six above the 1000 level). Of the seven courses, one must be an upper-level course in each of these fields: the classical world or Europe before 1789, Europe since 1789, Asia and America. In addition, the seven courses must include at least two seminars at the 3000 or 4000 level.

Suggested First-Year Schedule:

History 1105, 1106

English Composition

Foreign Language

Science or Math

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 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
HIS 2292 is recommended

MINOR IN EUROPEAN HISTORY (24 HRS.)

Six courses in European History, one of which must be a seminar

MINOR IN AMERICAN HISTORY (24 HRS.)

Six courses in American History, one of which must be a seminar

History Course Descriptions (HIS)

1105 Western Civilization I: Origins to 1700

4 credits

An introduction to the heritage of the Western world. Emphasis is on the evolution and achievements of the ancient, medieval, and early modern periods.
Heritage Sequence, Humanities.

1106 Western Civilization II: 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.
Heritage Sequence, Humanities.

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.
Humanities.

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.
Heritage Sequence, Humanities.

1136 (FR) America From the Sixties to 2001

4 credits

As an introduction to history at the college level, this course will explore the American experience in the 1960s and after-liberation and identity movements, revolutions (biological, digital, economic, political, religious, social) and war – concluding with the American prospect for the new century.
Humanities.

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*.
Humanities.

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.
Humanities.

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.
Humanities.

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.
Humanities.

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.
Humanities.
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.
Humanities.

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.
Humanities.

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.
Humanities.

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.
Humanities.

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.
Humanities.

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. Humanities.

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. Humanities.

2223 Cultural History of Latin America

4 credits

Historical and contemporary culture of Latin America. This course is taught in English. Global Perspective, Humanities. Cross-listed with Cross Cultural Studies 2223 and Spanish 2223.

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. Humanities.

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. Humanities.

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. Humanities.

2227 Development of Modern America

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 tension, and global conflict. Humanities.

2229 America Since 1945

4 credits

An exploration of the transformation of American life, politics, and world position since 1945. Humanities.

2292 Introductory Seminar for History Majors

4 credits

An introduction to the practices of historians and the development of history as a discipline. Humanities.

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. Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

4492 History Colloquium

4 credits

A seminar in which senior history majors prepare and defend a substantial paper.

Prerequisite: History 3398, a one-credit

Independent Study in the preceding semester.

1165; 1166; 2265; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 Independent Studies in History

0-4 credits

Directed study with permission of the Department.

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 3220 Psychology in the Workplace

SOC 4410 Work and Occupations

Internship or Independent Study in Human
Resources Development (4 hrs.)

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 2265/2266 Topics in Psychology
(Course must emphasize industrial or
organizational issues)
PSY 2204 Social Psychology

Recommended:
STA 2215 Elem. Statistics for Social Science
PSY 2223 Psych. Methods I: Measurement &
Assessment
PSY 2224 Psych. Methods II: Research Design
& Analysis
COM 2203 Communication Research
Methods: Quantitative
COM 2204 Communication Research
Methods: Qualitative
SOC 3358 Research Methods in Sociology

Contact: Dr. Hughes, Psychology

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 offer-
ings 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.
Heritage Sequence, Humanities.

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 perspec-
tives 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 multidis-
ciplinary approach leads students to a fuller
understanding and appreciation of the specific
works under consideration and of African-
American culture as a whole.
Humanities.

1161 (FR) Crime and Detectives: Three Perspectives

4 credits

This team-taught interdisciplinary course
explores both crime and its detection from lit-
erary, criminological, and scientific perspec-
tive. 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.
Humanities.

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.
Humanities.

2231 Women in German Literature and Society

4 credits

An exploration of the changing literary and social roles and images of women in Germany in the 19th and 20th centuries through discussions and reading of representative works by German women writers presented in their sociopolitical and cultural context. Of special interest will be the developments in the Third Reich, after 1945, and after the fall of the Berlin Wall in 1989. Works discussed will include authors such as Rahel Varnhagen, Bettina von Arnim, Anna Seghers, Ingeborg Bachmann, Christa Wolf, May Ayim, and others.

This course is taught in English.

Cross-listed with Comparative Literature 2231 and German 2231.

Humanities.

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.

Humanities.

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.

Mathematics

Professors R. Boner (Department Chair), Eshleman, and Rosenzweig; Associate Professor Clark; Lecturer C. Boner.

Areas of particular teaching interest:

Professor Boner: abstract algebra, combinatorics, graph theory, number theory; Professor Rosenzweig: differential topology, set theory and logic, singularity theory; Professor Clark: dynamical systems and chaos, Markov chains, complex analysis; Professor Eshleman: applied mathematics, numerical analysis, programming languages.

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 highly 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, and University of Virginia.

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: Computer Science specialization; Operations Research specialization; Teacher Certification Secondary (middle/high school). Mathematics can also be combined with other disciplines (e.g., Biology, Business Administration and Economics, Chemistry, 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 starting on page 190 for dual majors with Biology, Economics, 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 3.40 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.)

Three courses at the 2000 level or higher (excluding MAT 2241), one of which can be a computer science course

Two hours of Mathematics Problem Seminar
 CSC 1106 Computing Fundamentals I

Suggested First-Semester Schedule:

MAT 1118 (or placement)
 CSC 1106 Computing Fundamentals I
 English Composition or Foreign Language
 First-year Seminar

MATHEMATICS WITH A SPECIALIZATION IN COMPUTER SCIENCE (55 HRS.)

Required:

Math Courses: (39 hours)
 MAT 1118 Calculus II
 MAT 2207 Discrete Mathematics
 MAT 2224 Fundamentals of Mathematics
 MAT 2218 Linear Algebra
 MAT 2219 Calculus III
 MAT 3305 Introduction to Mathematical

Analysis

Two courses at the 3000 level or higher, one of which can be a computer science course.

Two hours of problem seminar
 MAT 4406 Abstract Algebra
 MAT 4494 Capstone Experience in Mathematics

Computer Science Courses: (16 hours)
 CSC 1106 Computing Fundamentals I
 CSC 1107 Computing Fundamentals II
 CSC 2201 System Software
 CSC 2210 Numerical Methods

Computer Science should be taken in the first year.

Recommended:

PHY 1101 General Physics I
 PHY 1102 General Physics II
 PHY 1103 Applied Electronics & Computers
 STA 2216 Statistical Methods

Graduate Study Recommendations:

MAT 3304 Differential Equations
 MAT 3312 Real Analysis
 MAT 3323 Probability
 MAT 3335 Stochastic Processes
 MAT 3336 Number Theory

MAT 4409 Topology
Special Topics in Mathematics
Independent Studies in Mathematics

MINOR IN MATHEMATICS (24 HRS.)

MAT 1118 Calculus II
MAT 2218 Linear Algebra
MAT 2224 Fundamentals of Mathematics
(pending approval)

Three courses from:

MAT/CSC 2207 Discrete Mathematics
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 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency exam.

Natural Science and Mathematics.

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 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

2207 Discrete Mathematics

4 credits

An introduction to combinatorial problem solving and applied graph theory. Topics include arrangements and selections, generating functions, recurrence relations, graph isomorphisms, graph models, planar graphs, Euler and Hamiltonian circuits, and graph coloring problems. Additional topics are chosen from inclusion-exclusion formulas, trees, and network algorithms.

Offered in 2004-2005 and alternate years.

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 2005-2006 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.

Natural Science and Mathematics.

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.

Natural Science and Mathematics.

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 2218 or permission of the Department.

Natural Science and Mathematics.

2241 Mathematics for Elementary School Teachers

4 credits

An introduction to selected topics in mathematics, including sets and set operations, number and numeration systems, arithmetical operations and algorithms, measurement, reasoning and problem solving, and the basic concepts of algebra and geometry.

This course does not count toward the major in Mathematics, and is open only to those students preparing to teach in the elementary school.

This course does not meet the Natural Science and Mathematics requirement.

Prerequisites: Mathematics 1001 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test, Mathematics 1106.

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.

This course does not meet the National Science and Mathematics requirement.

Prerequisites: Mathematics 1001 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test.

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 2004-2005 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 2004-2005 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.

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 2005-2006 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 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test, 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; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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 Kraft (Department Chair), Major Spear, Master Sergeant Lumby, Sergeant First Class Clark, Sergeant Joshua, Mr. Williams.

No major is offered in this field; however, Military Science can be an integral part of a student-designed major or minor or an elective for any major.

The Army Reserve Officers' Training Corps (ROTC) program is one of the oldest in the nation, offered at McDaniel College since 1919. Through this program both men and women students are commissioned as Army officers with the rank of Second Lieutenant upon graduation. Students can be guaranteed service as an officer with the Army Reserve or Army National Guard or serve in a full-time position 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 weekly one-hour 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. These include 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 National Advanced Leadership Camps. These are 5-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.

Freshman and sophomore students can compete for Army ROTC scholarships worth over \$28,000 per year. These merit scholarships pay \$17,000 toward tuition and a substantial book allowance of \$600 per year. Recipients receive a monthly stipend of \$250 per month during the academic year, which rises to \$400 per month by the senior year. The College supplements the Army's scholarship benefits for all students who are Army ROTC scholarship winners. These additional benefits consist of a \$3,550 tuition incentive, a \$2,640 room incentive, and a \$2,230 board incentive.

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 living expense stipend of \$350 (juniors) or \$400 (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. Examines the unique duties and responsibilities of officers. 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. 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. 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. Examines basic skills that underlie 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, Capstone

3 credits

First Semester: Leadership and Management. Builds on the National Advanced Leadership Camp 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: 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

Professor Boudreaux (Department Chair); Associate Professors Armstrong and Caldwell; Senior Lecturers Eckard, Engler, Kirkpatrick, and Kreider; Lecturer Byrd, Adjunct Lecturers Anderson, Baxter, Dix, Duree, Dymiotis, Griffiths, Hooks, Horneff, Jenkins, Johnson, Ryon, Seligman, Tippet, Ward, and Wirth.

Areas of particular teaching interest: Professor Boudreaux: choir, conducting, music history; 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, certification in Music Education (middle/high school, 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 starting on page 190 for dual majors with Theatre Arts.

Departmental Honors

Music majors may graduate with honors if they fulfill the following requirements:

- Maintain a 3.40 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 adviser 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

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

One 2000-level+ elective in Music History

One 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

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

One Basic Liberal Arts Requirement

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

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

MUT 3309 Counterpoint

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.

One 2000-level+ elective in Music History

Four hours of Independent Studies in compo-
sition 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 profi-
ciency)

Six hours of piano (as needed for proficiency)

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) depart-
mentally sponsored concerts or recitals per
semester

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.

*Six of the eight credits in applied music les-
sons must be on the student's major instru-
ment 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 PRO-
FICIENCY REQUIREMENTS)

Required:

MUT 1131 Music Theory I

MUT 1132 Music Theory II

MUT 2201 Advanced Music Theory I

MUT 2202 Advanced Music Theory II

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

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.

Three 2000-level+ electives in Music History
Eight hours of aural skills (as needed for profi-
ciency)

Six hours of piano (as needed for proficiency)

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) depart-
mentally sponsored concerts or recitals per
semester

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 pro-
gram 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

MINOR IN MUSIC (22 HRS.)

MUT 1131 Music Theory I

MUT 1132 Music Theory II

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

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 par-
ticipate in at least one performing ensemble
for at least one full academic year.

MINOR IN JAZZ STUDIES (28 HRS.)

8 credits of Music Theory which includes one
semester of Music Theory 1131 and Jazz
Theory

4 credits of History of Jazz

4 credits of History of African-American
Music (I or II)

2 credits of a Performance Ensemble, large or
small group (jazz-related)

4 semesters of Private Lessons or 2 semesters
of Private Lessons and 2 semesters of inde-
pendent study work (jazz-related)

2 credits of Jazz Piano Class

Students would then have the option to pick
two of the following three classes:

2 credits of Jazz Fundamentals

2 credits of Jazz Improvisation

2 credits of Jazz Composition and
Arranging

FIVE-YEAR B.A./M.S. IN MUSIC EDUCATION

A five-year program is available which cul-
minates a B.A. in music after four years and a
M.S. in education with a P-12 teaching cer-
tificate after an additional two semesters. The
program would be made available to under-
graduate music majors with a cumulative
grade point average of 3.2 or higher. The
anticipated sequence of course work is as fol-
lows:

Students will 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 will take the following courses during
the final semester of their fourth year as grad-
uate courses. These are courses with under-
graduate equivalents.

EDU 3351/575 Elementary Music
Methods

RDG 532 Reading in the Content Area 1

SOC 508 Cultural Diversity

Students will take the following courses in the
first semester of the fifth year.

PSY 510 Psychology of Exceptionality

EDU 594 Action Research I

SLM 522 Technology in the Classroom

RDG 534 Reading in the Content Area II

EDU 616 Instrumental or Choral Methods
(with a PDS practicum)

Students will do their professional semester
(student teaching) in the second semester of
the fifth year. This includes:

EDU 601 Professional Semester at PDS
(middle school or high school)

EDU 600 Professional Semester (p-6)

EDU 595 Action Research II

Music Ensemble Course Descriptions (MUE)

1101 College Band

1 credit

All-College wind and percussion ensemble
that performs compositions from all periods of
musical history. At least two public concerts
are given each year.

1102 College Choir

1 credit

All-College choral ensemble that performs
compositions from all periods of musical his-
tory. At least two public concerts are given
each year.

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.

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.

Prerequisite: permission of the instructor.

Offered each year in the spring semester only.

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.

Prerequisite: permission of the instructor.

1106 Orchestra

1 credit

Provides students and community members of all ability levels the opportunity to play with the full complement of orchestral sounds. Two separate ensembles provide for excellent performing and educational opportunities to both novice and advanced players. The orchestra is an independent community organization.

Prerequisite: permission of the instructor.

1107 Collegium

1 credit

A joint venture with students and community members to sing and play replicas of Medieval and Renaissance instruments. Music written before 1700 is performed in a variety of settings both on and off campus.

Offered as needed.

Prerequisite: permission of the instructor.

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.

1110-1125 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.

Prerequisite: permission of the instructor.

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

1124 Female Gospel Jubilee Group

1125 Male Gospel Jubilee Group

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 1104, and by audition during first week of class.

Cross-listed with Theatre Arts 3353.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

2203 Music of the Western World I

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.

Heritage Sequence, Humanities.

2204 Music of the Western World II

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.

Heritage Sequence, Humanities.

Prerequisite: Music Literature 2203 or permission of the instructor.

2205 History and Literature of the Piano

4 credits

A survey of literature for harpsichord, clavichord, and piano; a study of the development of these instruments and the history of piano technique and performance.

Humanities.

2208 Music in the United States

4 credits

A survey of the cultivated traditions of American music, from Colonial times to the present.

Humanities.

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.

Humanities.

Offered in 2004-2005 and alternate years.

2212 World Music

4 credits

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

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2212.

2214 Masters in Music

4 credits

A study of one major composer's life and representative composition.

Humanities.

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.

Humanities.

Cross-listed with Theatre Arts 2216.

Offered in 2005-2006 and alternate years.

2220 Future Music

4 credits

An exploration of different types of composition in the 20th century including art music such as chance, minimalism, and serial composition, as well as jazz, pop, and crossover strains. It considers the diverse influences on today's composition, such as Chinese

philosophy, commerciality, African drumming, and music of India.

Humanities.

Offered as needed.

2224 Film Music

4 credits

A study of 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, student will discover the ways in which music can inform and enrich the visual impact of films.

Humanities.

2231 Heritage of African-American Music I

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.

Heritage Sequence, Humanities.

2232 Heritage of African-American Music II

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.

Heritage Sequence, Humanities.

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.

Humanities.

Cross-listed with Religious Studies 2235.

Offered in spring 2004 and alternate years.

**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: Advanced Music Major Status.

Music Course Descriptions (MUS)

1001-1024 Applied Music - Private Instruction

0.5-2 credits

Private instruction in voice, piano, guitar, orchestral, and band instruments. 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: permission of the instructor.

Consult the Department for proficiency evaluation and major requirements for Applied Music Instruction.

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.

Prerequisite: MUS 1141 or permission of the instructor.

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.

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.

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.

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.

1153 String Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of string instruments.

Prerequisite: One year of music theory, permission of the instructor.

Offered fall 2005 and alternate years.

1154 Woodwind Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of woodwind instrument.

Prerequisite: One year of music theory, permission of the instructor.

Offered spring 2004 and alternate years.

1155 Percussion Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of percussion instruments.

Prerequisite: One year of music theory, permission of the instructor.

Offered spring 2005 and alternate years.

1156 Brass Pedagogy

1 credit

An analysis of the principles and practices current in the teaching of brass instruments.

Prerequisite: One year of music theory, permission of the instructor.

Offered fall 2004 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: At least two semesters of applied voice or voice class, permission of the instructor.

Offered in spring 2004 and alternate years.

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 in spring 2004 and alternate years.

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.

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.

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.

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.

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.

Social Sciences.

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 phoneticization will be used.

Prerequisite: at least two semesters of applied voice or voice class.

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.

3333, 3334 Methods for Teaching Piano*2, 2 credits*

Methods of teaching piano to beginners of all ages; a survey of suitable teaching materials for all grades, including discussion of the technical and musical problems involved. One class period and one period of supervised teaching a week.

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 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 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 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 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 and permission of the instructor.

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 multifaceted 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 har-

monic dictation. Some aspects of orchestration will also be included.

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.

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 1132 or permission of the instructor.

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 Jazz Fundamentals.

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 Jazz Theory.

3309 Counterpoint

4 credits

Study of 18th-century counterpoint with an emphasis on both analysis and composition. *Prerequisites:* Music 2202, 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 2202, 1204, and permission of instructor.

Offered as needed.

Philosophy

Associate Professors Alles, Hadley, and Jakoby (Department Chair); 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 Wu: contemporary philosophy, East Asian studies, philosophy of science; Professor Hadley: social ethics, comparative religious thought and ethics; Professor Jakoby: 19th- and 20th-century continental philosophy.

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 starting on page 190 for dual majors with Religious Studies.

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 1101 Fundamental Questions

PHI 1102 Critical Thinking

PHI 1113 History of Ancient & Medieval Philosophy

PHI 1114 History of Modern Philosophy

PHI 2233 Elementary Logic

PHI 4492 Capstone - Thesis in 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 Special Topics course:

PHI 2265, 2266, 3365, 3366

Two additional courses in Philosophy, 2000 level or higher

Recommended:

Two courses in each of the following:

History, Comparative Literature, British or American Literature

One course in each of the following:

Cross Cultural Studies, Psychology, Sociology, Mathematics

Suggested First-Year Schedule:

Philosophy 1101 or 1102

Mathematics

English Composition

Foreign Language

First-year Seminar

History

MINOR IN PHILOSOPHY (20 HRS.)

One course in the history of philosophy:

PHI 1113 History of Ancient & Medieval Phil.

PHI 1114 History of Modern Philosophy

PHI 2217 Contemporary 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

Three additional courses in Philosophy, at least two of which are 2000 level or higher

Philosophy Course Descriptions (PHI)

1101 Fundamental Questions

4 credits

A study of selected thinkers dealing with basic epistemological, metaphysical, and ethical questions. The course may include issues such as theories of knowledge and reality, the relationship of philosophy to daily life situations, science, and religion.

Humanities.

1102 Critical Thinking

4 credits

A study designed to improve the student's critical thinking and reasoning skills. This course will examine different styles of informal and formal reasoning found in a variety of contexts. Emphasis will be placed on identifying and avoiding common fallacies and forms of pseudo-reasoning, uncovering hidden assumptions and evaluating the relative merits of rational arguments and decision-making procedures.

Humanities.

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.

Humanities.

1113 History Of Ancient And Medieval Philosophy

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. Heritage Sequence, Humanities.

1114 History of Modern Philosophy

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.

Heritage Sequence, Humanities.

1151 (FR) Philosophy Around the World

4 credits

A selective survey of philosophical concepts from Eastern, Western and marginalized (e.g. African, Latin-American, Feminist, and working-class) perspectives. Themes of epistemological, ontological, ethical, and metaphysical relevance will be analyzed across multidisciplinary boundaries (philosophical readings will be coordinated with literary and scientific texts) and find their pragmatic application in a built-in, service-learning component. Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2202.

2209 Existence, Alienation, and the Search for Meaning

4 credits

A study of thinkers and schools that deal with the nature and meaning of human existence, the threat of modern anonymity and collectivism, and the search for meaning and value in an absurd world. The course will begin with the roots of existentialist thought in the Greek and Hebraic-Christian traditions, continue through such thinkers as Blaise Pascal, Dostoevsky, Kierkegaard, and Nietzsche, and concentrate on 20th-century thought including Kafka, Heidegger, Jaspers, Sartre, Camus, and American writers such as John Barth, Walker Percy, and John Updike.

Humanities.

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.

Humanities.

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.

Humanities.

Cross-listed with Religious Studies 2211.

2217 Contemporary Philosophy

4 credits

A study of the major philosophical figures and movements of the 19th and 20th centuries.

This course will consider the critical and radical changes in thinking about history, religion, morality, society, and the nature of human existence that occurred in this period.

Thinkers will include Schopenhauer, Marx, Nietzsche, Wittgenstein, Heidegger, Derrida, Foucault, and Rorty.

Humanities.

2218 Women and Philosophy

4 credits

A survey of the relationship of traditional philosophy to women and the development of feminist philosophical movements: liberal, Marxist, existentialist, radical, and postmodern. Themes will include the myth of woman, male/female relationships, and gender ethics.

Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2219.

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. Global Perspective, Humanities. 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.

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."

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 3302 and Religious Studies 3302. Offered as needed.

3311 Philosophy of Religion

4 credits

A study of the rationality of religious beliefs and an examination of the traditional philosophical arguments for and against the existence of God. Humanities.

3318 Philosophy of Science

4 credits

A critical analysis of science as an enterprise which 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. Offered as needed.

Humanities.

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.

Humanities.

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; 2266; 3365; 3366; 4465;

4466 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.

2295; 2296; 3395; 3396; 4495;

4496 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; 2299; 3398; 3399; 4498;
4499 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 Professor Mian (Department Chair); Assistant Professor Marx; 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 starting on page 190 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 and to prepare a written thesis. In addition, students need a minimum average GPA of 3.40 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 3309 Topics in Quantum Mechanics
PHY 4402 Intro. Quantum Mechanics
CHE 3308 Physical Chem. II

One course from:

CSC 1106 Fundamentals of Computing I
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 1151 Computer Interfacing for Scientists
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 Fundamentals of Computing I

CSC 1107 Fundamentals of Computing II

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 Fundamentals of Computing I

CSC 1107 Fundamentals of Computing II

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 3309 Topics in Quantum Mechanics

PHY/CHE 3315 Phys. Chem. II: Thermo.

PHY 4402 Introductory Quantum Mechanics

CHE 1101 Intro. Chem. I: Structure &
Bonding

CHE 1102 Intro. Chem. II: Chemical
Reactivity

CSC 1106 Fundamentals of Computing I

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

Physics Course Descriptions (PHY)

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.

Natural Science and Mathematics.

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. Natural Science and Mathematics. 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.

Natural Science and Mathematics.

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 1102, Mathematics 1118.

Offered in 2005-2006 and alternate years.

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 1102, Mathematics 1118.

Offered in 2005-2006 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.

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.

Cross-listed with Chemistry 3308.

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 and 2211.

Offered in 2005-2006 and alternate years.

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.

Offered in 2004-2005 and alternate years.

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 and 2211.

Offered in 2005-2006 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; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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 Neal (Department Chair) and H. Smith; Associate Professors Franke and Leahy; Assistant Professor Johnson-Ross; Adjunct Lecturers Owens and Pentino.

Areas of particular teaching interest:

Professor Smith: state and local governments, public administration, 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: African politics, gender and ethnic issues.

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 extends 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 a limited number of students to participate in an off-campus program at the Washington Semester at The American University.

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 190 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 Early Western Political Thought or
PSI 1112 Modern Western Political
Thought or PSI 2219 Research Design and
Methods
- 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
- (Students must take a total of seven courses
from the two groups above.)

Recommended:

- Computer Science
- Economics
- Literature
- Philosophy
- Psychology
- Social Work

Suggested First-Year Schedule:

- Political Science 1101
- One course from:
- Foreign Language
- Science
- Social Science
- Humanities

- First-year seminar
- English Composition (based on placement)
- Physical Education Activity or Military
Science

**SPECIALIZATION IN INTERNATIONAL
STUDIES AND COMPARATIVE GOV-
ERNMENT (48 HRS.)**

Required Courses:

- PSI 1101 Introduction to Political Science
- Two courses from Political Inquiry:
- PSI 1111 Early Western Political Thought or
PSI 1112 Modern Western Political
Thought or PSI 2219 Research Design and
Methods
- 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 3333 Conflict Resolution
- Two Foreign Language courses beyond the
College requirement
- Four additional courses in consultation with
the student's academic adviser. These 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 Early Western Political Thought or
PSI 1112 Modern Western 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/BUA 3305 Public Administration
- 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
 One Foreign Language course beyond the College requirement
 Two additional courses in consultation with the student's academic adviser.

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 Science.

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.
 Heritage Sequence, Social Science.

1112 Modern Western Political Thought

4 credits

An overview of Western 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.
 Heritage Sequence, Social Science.

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.
 Social Science.

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 Science.

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, and policy dynamics as well as to the politics of public education. Social Science.

2203 International Law and Organization

4 credits

An introduction to the history, purpose, 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? Social Science.

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. Social Science.

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. Social Science.

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, welfare, and energy. Social Science.

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. Social Science.

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.
Social Science.

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.
Social Science.

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 Science.

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.
Social Science.

2219 Research Design and Methods

4 credits

An overview of the steps involved in conducting survey, experimental, and qualitative research. Students will learn how to develop researchable questions, formulate testable hypotheses, and decide on the most appropriate methods for measuring concepts, testable hypotheses, analyzing data, and presenting results in a formal fashion.

Prerequisite: Political Science and International Studies 1101.

(Open to Political Science and International Studies majors only)
Social Science.

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.
Social Science.

Cross-listed with Business Administration 3305.

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.

Cross-listed with Sociology 3306.

Prerequisite: Political Science and International Studies 1101 (recommended).

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.

Social Science.

3308 American Constitutional Law

4 credits

Introduction to the study of the principles of constitutional law as related to the changing political, social, and economic problems of the United States; the role of the Supreme Court in the political process.

Social Science.

3310 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.

Global Perspective, Social Science.

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 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.

Social Science.

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 Aimée Césaire, Frantz Fanon, Amílcar Cabral, 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.

Social Science.

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.

Social Science.

3314 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.

Social Science.

3315 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 continuing application of the Marxist model in China are explored. Theoretical paradigms that attempt to predict the future of these regimes are also analyzed.

Global Perspective, Social Science.

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, communication law, assembly, and the law of mass media. This course involves students in classroom simulations and visits to courts.

Social Science.

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.

Social Science.

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; 2266; 3365; 3366; 4465;

4466 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; 2296; 3395; 3396; 4495;

4496 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; 1199; 2298; 2299; 3398;

3399; 4498; 4499 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

Professors Hughes (Department Chair) and W. Miller; Assistant Professors Koch, Madsen, and McDevitt; Lecturer Mazeroff.

Areas of particular teaching interest:

Professor Miller: abnormal behavior, adulthood and aging, psychotherapy, clinical neuropsychology; Professor Hughes: industrial psychology, organizational behavior, psychological assessment; Professor Koch: social psychology and research methods; Professor McDevitt: operant and classical conditioning, applied behavioral analysis, and choice behavior; Professor Madsen: child and adolescent development, interpersonal relationships; Lecturer Mazeroff: introductory psychology, psychopharmacology, psychopathology and stress, "music and the brain."

Psychology is a pluralistic discipline with 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 such diverse fields as human learning, behavior analysis and modification, adulthood and aging, helping relationships, psychological research, social psychology, child and adolescent development, neuropsychological 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 is on scholarship, research, and pre-professional activities in psychology and related fields.

The course offerings focus on behavior in the broadest sense and are intended to provide the background for students electing a major to qualify for graduate study in Psychology and related disciplines, to work in human service agencies (day care centers, rehabilitation departments, mental health clinics, youth service agencies, etc.), or to teach via certification in Elementary Education. The Department urges all interested and qualified students to pursue Departmental Honors in Psychology. This program encourages independent study and research.

Recent graduates have entered master's 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 starting on page 190 for the dual major with Sociology.

Departmental Honors

Requirement: A 3.40 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 (44 HRS.)

Required:

PSY 1106 Introduction to Psychology
PSY 2201 Psychology of Learning and Animal Laboratory

PSY 3211 Psychology of Abnormality

PSY 2223 Psych. Methods I: Measurement & Assessment (lab included)

PSY 2224 Psych. Methods II: Research Design & Analysis (lab included)

Five additional Psychology courses (Cannot be a Capstone course.)

One capstone course or independent research conducted under the supervision of a faculty member. One capstone course is offered as seminar each semester. The topics are

determined by both faculty and 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 Schedule:

BIO 1111, 1118, or SOC 1104
PSY 1106
English Composition and a Foreign Language
Basic Liberal Arts 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. Orzolek-Kronner (social work), or Dr. Orza (graduate studies).

MINOR IN PSYCHOLOGY (20 HRS.) **

Required:

PSY 1106 Introduction to Psychology
Four additional courses from Psychology
STA 2215 Statistics for Social Science or PSY
2223 and 2224.

** 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 Science.

**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.

Prerequisite: Psychology 1106 and Psychology major, or permission of instructor.

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.

**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.

2223 Psychological Methods I: Measurement and Assessment

4 credits

An introductory course on measurement within the field of psychology. Students will learn how psychological variables such as personality, abilities, and interests are translated into psychological measurement techniques. This course will explore the fundamentals of assessment including descriptive statistics, reliability, and validity, and will examine a variety of assessment techniques. Students will acquire hands-on experience in using assessment tools including the use of statistical programs to understand and evaluate test results.

Prerequisites: Psychology 1106, Mathematics 1001 or passing the arithmetic portion of the mathematics proficiency test, Mathematics 1002 or passing the algebra portion of the mathematics proficiency test.

2224 Psychological Methods II: Research Design and Analysis

4 credits

A current treatment of the philosophy and methodology of the scientific method. Topics include experimental design and the analysis of research using the computer. The laboratory is designed to acquaint each student with procedures, techniques, and apparatus used in psychological investigations. Statistical tests studied include t-tests; analysis of variance for between-groups factors, within-groups factors, and combinations of such factors; correlation; and non-parametric tests.

Prerequisites: Psychology 1106 and 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.

Prerequisite: Psychology 1106 and 2201, or permission of instructor.

3211 Psychology of Abnormality

4 credits

The incidence, causes, treatment, and prevention of abnormal behavior of persons; major focus on adult populations.

Prerequisite: Psychology 1106.

3220 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 3220.

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. Offered in 2004-2005 and alternate years.

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.

Offered in 2005-2006 and alternate years.

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.

Offered in 2004-2005 and alternate years.

3329 Physiological Psychology

4 credits

An analysis of the basic physiological mechanisms underlying human behavior with emphasis on the brain and central nervous system. Topics include genetics, behavioral development, sensory systems, emotion, learning, and memory.

Prerequisite: Psychology 1106.

3330 Psychology of Perception

4 credits

An in-depth analysis of contemporary issues in perception. Topics include signal detectability, selective attention, taste perception, figure formation, illusions, visual stability, memory, and space, time, and motion perception.

Prerequisite: Psychology 1106.

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 3211.

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 3202, 3335, 3211 or 2211, and permission of the instructor.

3340 Mind/Brain: Clinical Neuropsychology

4 credits

A study of the behavioral correlates of brain dysfunction in adults with focus on neuropsychological assessment.

Prerequisite: Psychology 1106.

Offered in 2005-2006 and alternate years.

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.

**2265; 2266; 3365; 3366; 4465;
4466 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; 2296; 3395; 3396; 4495;
4496 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; 2299; 3398; 3399; 4498;
4499 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.

Religious Studies

Professor Alles; Associate Professors Hadley (Department Chair) and Jakoby.

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 Hadley: comparative religious thought and ethics, social ethics, pragmatism, American religious thought; 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 Dual Major section starting on page 190 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 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

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

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.
Humanities.

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.
Humanities.

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.
Humanities.
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.
Humanities.
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.

Humanities.

Offered as needed.

2215 Prejudice and Power: Minorities in America*4 credits*

A study of ethnic minorities, women, and gay and lesbian communities to determine the relationship between prejudice and power in America.

Humanities.

Offered as needed.

2216 Religion, Politics, and Society*4 credits*

An examination of the interplay between religious commitment and political engagement. The course explores the levels of political and social involvement advocated by a variety of religious traditions and thinkers and investigates various political arrangements nation-states have used to support, tolerate, or control diverse religious expressions. Specific attention will be given to issues in which religion has played a prominent role in political and social life.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities.

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.

Humanities, Heritage Sequence.

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.

Humanities, Heritage Sequence.

2253 Judaism, Christianity, and Islam*4 credits*

A study in some detail of the major monotheistic religions: Judaism, Christianity, and Islam. Attention is given to origins and historical developments, beliefs, practices, and institutions.

Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2254.

Offered as needed.

2255 Religions of Asia

4 credits

A study of the major Asian religions: Hinduism, Buddhism, Confucianism, Daoism, and Shinto. 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").

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2255.

2256 Religions of the Ancient World

4 credits

An examination of the earliest evidence for human religious behavior as well as some of the religious traditions of the ancient Mediterranean and Near East (for example: Egypt, Mesopotamia, Iran, and Greece) and the ancient Americas (for example: Aztec, Inca, and Maya).

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2256.

Offered as needed.

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 sys-

temization in the six orthodox (astika) schools. Attention is also given to the "heterodox" views of the Buddhists, the Jains, and the "materialists."

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 3302 and Philosophy 3302.

Offered as needed.

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 an ultimate reality and also explores how these traditions and thinkers have understood the human place within an envisioned divine order. The course devotes attention to both theistic and non-theistic views from around the globe. Humanities.

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.

Global Perspective, Humanities.

Cross-listed with Art History 3305 and Cross Cultural Studies 3305.

Offered as needed.

3306 Hindu Rituals and Ethics

4 credits

An intense look at the Hindu "path of action" in its many dimensions: rituals of the life cycle and daily life, seasonal festivals and celebrations, castes and stages of life, related notions of purity and pollution, and the relations between action and liberation.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 3306.

Offered as needed.

3321 Comparative Mythology

4 credits

A study of the myth-making process and the major mythological types and themes.

Global Perspective, Humanities.

Cross-listed with Comparative Literature 3321 and Cross Cultural Studies 3321.

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*.

Humanities, Social Science.

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; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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

The study of children's fiction and nonfiction literature for grades K-6, with emphasis on authors and illustrators, selection principles, and integration of these materials in elementary classrooms.

Prerequisites: Education 1111 or Education 1141

3318 Young Adult Literature

4 credits

The study of young adult fiction and nonfiction literature for grades 6-12, with emphasis on authors, selection principles, and integration of these materials in middle and high school classrooms. This course is designed for secondary education minor students who plan to teach middle school or high school English.

Social Work

Professor Rees; Assistant Professor Orzolek-Kronner; Visiting Instructor Corbin.

Areas of particular teaching interest:

Professor Rees: human relations in the workplace, family; Assistant Professor Orzolek-Kronner: human behavior, eating disorders, women's issues, research on practice; Instructor 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 necessary knowledge, skills, and training needed to work effectively with at-risk with a particular emphasis on children, women, and the elderly.

The Social Work program 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 is promoted 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 social service 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 social services at the local, state, national, and international levels.

The Social Work Department is nationally accredited by the Council on Social Work Education. Graduates of this program 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 2.50 for all college courses.
- B. Completion of SWK 2217 and SWK 2218 with a minimum grade of 2.00.
- 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 starting on page 190 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 3.40 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 The Institution of Social Welfare

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 1103 Introductory Sociology

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

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 1101 Fundamental Questions

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

Recommended Course of Study:

Semester I

SOC 1103

SPA 1101

First-year seminar

Semester II

PSY 1106

BIO 1118

SPA 1102

BLAR

Semester III

SWK 2217

SWK 2214

BLAR

BLAR

Semester IV

SWK 2202

SWK 2218

BLAR

BLAR

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

BLAR

BLAR

Semester VII

SWK 4409

SWK 4417

SWK 4415

BLAR

Semester VIII
SWK 4418
SWK 4416
BLAR
BLAR

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 should contact Dr. Mazeroff (psychology), Dr. Orzolek-Kronner (social work) or Dr. Orza (graduate studies).

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.

Cross-listed with Sociology 2214.

2217 The Institution of Social Welfare

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.

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. Social Science.

Prerequisite: Sociology 1103 or permission of the instructor.

Cross-listed with Sociology 2225.

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.

Social Science.

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 multi-generational issues, multiple losses, relocation, role changes, and policy issues.

Prerequisite: Sociology 1103 or permission of the instructor (for minors).

Social Science.

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, and 3349.

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; 2266; 3365; 3366; 4465; 4466 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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 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 and Lemke (Department Chair); Assistant Professors Harlow and Shin.

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 and sociology of education and society and the individual; Professor Shin: work and occupations, social change, urban sociology, quantitative analysis.

Sociology is the study of social life and the social 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 community life, family patterns and relationships, social change, social movements, inter-group relations, race, gender, social class, the environment, and technology.

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 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 starting on page 190 for dual majors with Communication and Psychology.

Departmental Honors

To receive departmental honors, students must:

- 3.20 GPA for all students entering prior to the fall 2001
- 3.40 GPA for all students entering the fall of 2001 and after
- 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 Global Societies

SOC 3319 The Development of Sociological Theory

SOC 3358 Research Methods in Sociology

SOC 4494 Senior Seminar in Data Analysis (Capstone)

Two courses from the area Society and the Individual:

SOC 2201 Society and the Individual

SOC 2202 The Family

SOC 2204 Social Psychology

SOC 2205 Criminology

SOC 2210 Work and Occupations

SOC 2214 Human Behavior and the Social Environment

SOC 2225 Aging: The Individual and Society

SOC 3308 Adulthood and Aging

Two courses from the area Social Organization:

SOC 2206 Practical Applications in Law Enforcement

SOC 2240 Technology and Social Change

SOC 3306 National Security in a Changing World

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 2203 Urban Sociology

SOC 2212 Wealth, Power, and Prestige in American Society

SOC 2427 Gender and Society

SOC 3328 Social Inequalities 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.

Recommended:

One course from:

CSC 1106 Fundamentals of Computing I

ECO 1101 Introduction to Political Economy

ECO 2201 Principles of Economics

PSI 1101 Introduction to Political Science

PSI 2201 American Political Institutions

PSI 2203 International Law and Organization

Suggested First-Year Schedule:

English Composition and Foreign Language

SOC 1104 plus one 2000-level+ course

Heritage Sequence

Physical Education

Science Course

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, 2296; 2298, 2299; 3395, 3396; 3398, 3399; 4495, 4496; 4498, 4499.

Choose 3 from among the choices below:

SOC 2203 Urban Sociology

SOC 2206 Practical Applications in Law Enforcement

SOC 2212 Wealth, Poverty and Prestige in American Society

SOC 3348 Legal Forensics

SOC 4429 Race and Ethnic Relations in the U.S.
 GSC 1140 Introduction to Forensic Science
 PSI 3319 American Civil Liberties (Offered in 2005-2006 and alternate years)
 PSI 3308 American Constitutional Law
 PSI 2202 State & Local Government

Contact: Dr. Dundes, Sociology

MINOR IN SOCIOLOGY (20 HRS.)

Required Courses:

SOC 1104 Introduction to Global Societies
 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 2204 Social Psychology
 SOC 2205 Criminology
 SOC 2214 Human Behavior and the Social Environment
 SOC 2225 Aging: The Individual and Society
 SOC 3308 Adulthood and Aging
 SOC 4410 Work and Occupations
 Social Organization:
 SOC 2240 Technology and Social Change
 SOC 3306 National Security in a Changing World
 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 4430 Medical Sociology
 SOC 4433 Religion and Society
 Social Inequality:
 SOC 2203 Urban Sociology
 SOC 2212 Wealth, Power, & Prestige in American Society
 SOC 3328 Social Inequality and Justice
 SOC 3355 Aging and Gender
 SOC 4427 Gender and Society
 SOC 4429 Race and Ethnic Relations in the U.S.

Contact: Dr. Lemke, Sociology

MINOR IN AFRICAN-AMERICAN STUDIES (20 HRS.)

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.

Other 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 The Heritage of African-American Music I

MUL 2232 The Heritage of African-American Music II

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.

Sociology Course Descriptions (SOC)

1104 Introductory to Global Societies

4 credits

This course offers an overview of the discipline of sociology from a global perspective, focusing particularly on cross-cultural comparisons of social, economic and political relationships. It explores how social forces impact the structure of society, its social institutions as well as cultural patterns, groups, personality, and human interactions. Special attention is paid to indigenous groups in America and other parts of the world.

Global Perspective.

Social Science.

Students may not receive credit for both Sociology 1103 and Sociology 1104.

1108 Cultural Anthropology

4 credits

A study of the culture of pre-industrial, complex, and developing societies. The course examines the increasingly complex social, economic, and political relationships between cultures and nations from both an historical and modern perspective.

Cross-listed with Cross Cultural Studies 1108.
Global Perspective, Social Science.

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 1103 or 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.

Cross-listed with Social Work 2202.

Prerequisite: Sociology 1103 or 1104.

2203 Urban Sociology

4 credits

The study of differentiation of social structures and functions within urban communities; ecological processes involved in the growth of cities and metropolitan areas; an analysis of urbanism as a way of life.

Prerequisite: Sociology 1103 or 1104.

2204 Social Psychology

4 credits

A study of group behavior and cognition as they can be explained through psychological principles and phenomena. This course provides a survey of how what people think, believe, or do is altered by the presence of other people. Topics include attitudes, attitude change, social perception, social influence, altruism, and group dynamics.

Cross-listed with Psychology 2204.

Prerequisite: Psychology 1106.

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 1103 or 1104.

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.

2210 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.

Prerequisite: Sociology 1103 or 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 1103 or 1104.

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.

Cross-listed with Social Work 2214.

Prerequisite: Sociology 1103 or 1104.

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. Cross-listed with Social Work 2225.

Prerequisites: Sociology 1103 or 1104, or permission of the instructor.

2240 Technology and Social Change

4 credits

An understanding of how society is organized is crucial to an understanding of human life and social relations. This course is an overview of some of the basic changes in social organization over time, and the impact of these changes on the American way of life. How these changes are related to innovations and social institutions is the crux of understanding many social science disciplines. In particular, we will pay attention to the role of technology in American culture, and how it is connected to a shift from pre-industrial times to today's post-industrial society. We will also discuss the link between technology, the computer age, and the media.

Prerequisite: Sociology 1103 or 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.

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.

Cross-listed with Political Science 3306.

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.

Cross-listed with Psychology 3308.

Offered in 2004-2005 and alternate years.

Prerequisite: Psychology 1106.

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 1103 or 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 1103 or 1104.

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.

Cross-listed with Business Administration 3325 and Social Work 3325.

Prerequisite: Sociology 1103 or 1104.

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.

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 1103 or 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 multi-generational issues, multiple losses, relocation, role changes, and policy issues.

Cross-listed with Social Work 3355.

Prerequisite: Sociology 1103 or 1104, or permission of instructor.

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: Sociology 1103 or 1104.

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 1103 or 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 the underlying historical and contemporary symbolic and structural factors affecting both intra- and inter-group interactions.

Prerequisites: Sociology 1103 or 1104.

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.

Prerequisites: Sociology 1103 or 1104.

4494 Senior Seminar in Data Analysis (Capstone)

4 credits

As the Capstone Experience for the Sociology major, this course is centered on the analysis of existing data sets (from large national surveys) to produce an original social science research paper from beginning (introduction, literature review, and hypotheses) to end (results, discussion, and conclusions). Along the way, the course also emphasizes the conceptual understanding and practical mastery of descriptive and inferential statistics, hypothesis testing, and simple and multiple regression. In working with existing data sets and the variables that lie within them, students will transform and analyze data using techniques common in sociological research, and then present their findings orally to the class and also in written form.

Prerequisite: Sociology 3319, 3358, and completion of both Arithmetic and Algebra Proficiencies.

2265; 2266; 3365; 3366; 4465; 4466 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.

Prerequisites: Sociology 1103 or permission of the instructor.

2295; 2296; 3395; 3396; 4495; 4496 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 1103 and permission of the instructor.

2298; 2299; 3398; 3399; 4498; 4499 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 1103.

Statistics

Professors Claycombe, J. Olsh (Department Chair), and Seidel; Assistant 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 banking; 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 or passing Arithmetic Proficiency Exam, Mathematics 1002 or passing Algebra Proficiency Exam.

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.

Theatre Arts

Professor I. Domser (Department Chair); Associate Professor R. Miller; Assistant Professor E. van den Berg.

Areas of particular teaching interest:

Professor Domser: design and technical production, theatre management; Professor

Miller: acting, dramatic literature, paratheatrical performance and interactive therapeutic theatre; Professor van den Berg: acting, directing, voice, and movement.

The Theatre Arts program offers comprehensive study in theatre history, dramatic literature and criticism, and performance and production skills. Visiting professionals from the Baltimore/Washington area support the permanent faculty with specialized courses in performance. Coursework is further complemented by opportunities to participate in productions directed by faculty, visiting artists, and students. The major in Theatre Arts prepares students for careers in the professional theatre, for graduate studies in Theatre, and for a variety of other vocations which demand the analytic, creative, and interactive skills developed by Theatre majors.

Other Educational Options in Theatre Arts:

Dual majors with Communication, English, and Music (Musical Theatre); minors in Theatre Arts and Acting.

Please see the Dual Major section starting on page 190 for dual majors with Communication, English, and Music.

Departmental Honors

To receive departmental honors a student must have:

- a 3.40 GPA on the major
- three projects submitted to the faculty and approved as honors quality work.

See the Department Chair for further details.

BASIC MAJOR (40 HRS.)

Required:

THE 1111 Stagecraft

THE 3332 Production Laboratory

THE 4460 Capstone - Drama Workshop

THE 1113 Acting or THE 1151 Acting: The Creative Process

Three courses from:

THE/CLT 2225 Theatre of the Western World I

THE/CLT 2226 Theatre of the Western World II

THE/CLT 2227 The Contemporary Theatre

THE/CCS 2230 Performance & Culture

THE/EDU 3001 Teaching Theatre to Young People

Three courses from:

THE 2211 Creating A Character
THE 2241 Costume & Make-up Design
THE 2242 Lighting Design
THE 2243 Set Design
THE 2244 Theatre Management
THE 2245 Voice & Movement for the Actor
THE 2246 Scene Study
THE 2248 Modern Acting Styles
THE 2249 Classical Acting Styles
THE 3320 Directing
THE 3328 Playwriting
THE 3353 Musical Theatre Scene Study

One course from:

THE 3330 Performance Laboratory (2 hrs.)
THE 3334 Management Laboratory (2 hrs.)
THE 3336 Directing Laboratory (2 hrs.)
THE 3338 Dramaturgy Laboratory (2 hrs.)
THE 3340 Playwriting Laboratory (2 hrs.)

Recommended:

THE 1119 Theatre Appreciation
THE/MUL 2216 History of Musical Theatre
THE/ENG 3350 Shakespeare

Suggested First-Year Schedule:

THE 1111 Stagecraft
THE 1113 Acting or THE 1151 Acting: The Creative Process
English Composition
Foreign Language
BLARs
First-year Seminar

MINOR IN THEATRE ARTS (20 HRS.)

Required:

THE 1111 Stagecraft
THE 1113 Acting or THE 1151 Acting: The Creative Process

Two courses from:

THE/CLT 2225 Theatre of the Western World I
THE/CLT 2226 Theatre of the Western World II
THE/CLT 2227 The Contemporary Theatre
THE/CCS 2230 Performance & Culture
THE/EDU 3001 Teaching Theatre to Young People

One course from:

THE 2211 Creating A Character
THE 2241 Costume & Make-up Design
THE 2242 Lighting Design
THE 2243 Set Design
THE 2244 Theatre Management
THE 2245 Voice & Movement for the Actor
THE 2246 Scene Study
THE 2248 Modern Acting Styles
THE 2249 Classical Acting Styles
THE 3320 Directing
THE 3340 Playwriting Laboratory (2 hrs.)
THE 3353 Musical Theatre Scene Study

Contact: Prof. Ira Domser, Theatre

MINOR IN ACTING (26 HRS.)

Suggested for those who plan to pursue a career in the performing arts.

Required:

THE 1111 Stagecraft or THE 2241 Costume and Make-up Design
THE 1113 Acting or THE 1151 Acting: The Creative Process
THE 2245 Voice and Movement for the Actor
THE 3330 Performance Lab (2 credits)

One Course from:

THE 1119 Theatre Appreciation
THE/CLT 2227 The Contemporary Theatre
THE/ENG 3350 Shakespeare

Two Courses from:

THE 2211 Creating a Character
THE 2246 Scene Study
THE 2248 Modern Acting Styles
THE 2249 Classical Acting Styles
THE 3353 Musical Theatre Scene Study

Theatre Arts Course Descriptions (THE)

1111 Stagecraft

4 credits

An introduction to the theory and practice of stagecraft in the live theatre. Concentration is on basic drafting, stage management, carpentry, rigging, and electronics (stage lighting).

1113 Acting*4 credits*

An introduction to acting combining practical exercises with study of major texts on acting. Emphasis is placed on scene analysis and scene work, as well as written exercises in performance analysis and acting theory. Humanities.

1119 (FR) 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. Humanities.

1151 (FR) Acting: The Creative Process*4 credits*

An introduction to acting combining practical exercises with study of major texts on acting. Emphasis is placed on scene analysis and scene work, as well as written exercises in performance analysis and acting theory. Humanities.

2211 Creating a Character*4 credits*

Building on skills in Theatre Arts 1113/1151, 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 in 2005-2006 and alternate years.

Prerequisite: Theatre Arts 1113 or 1151.

2212 Play, Ceremony, & Performance*4 credits*

An exploration of performance in the context of paratheatrical practices such as dramatic play, ceremony, ritual, and psychodrama. This laboratory course blends theoretical readings and research with exercises, improvisations, and process work. Honors. Global Perspective.

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. Humanities.

Cross-listed with Music 2216.

Offered in 2005-2006 and alternate years.

2225 Theatre of the Western World I*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. Heritage Sequence, Humanities.

Cross-listed with Comparative Literature 2225.

2226 Theatre of The Western World II*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. Heritage Sequence, Humanities.

Cross-listed with Comparative Literature 2226.

2227 The Contemporary Theatre*4 credits*

Studies in dramatic literature, theatre practice, and performance theory since 1960. Humanities.

Cross-listed with Comparative Literature 2227.

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.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2230.

2241 Costume and Make-up 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 make-up design and application.

Offered in 2005-2006 and every third year.

2242 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.

Prerequisite: Theatre Arts 1111.

Offered in 2004-2005 and every third year.

2243 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.

Prerequisite: Theatre Arts 1111.

Offered in 2005-2006 and every third year.

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 in 2003-2004 and every third year.

2245 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: their 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 or 1151.

Offered in 2004-2005 and alternate years.

2246 Scene Study

4 credits

An intensive course for those with some introductory coursework or experience. The technique used is based on the Stanislavski system and emphasizes organic acting, emotional truth, genuine talking, and authentic behavior. Scenes and monologues from contemporary plays will be studied, rehearsed, and performed.

Prerequisite: Theatre Arts 2211 or 2245.

Offered in 2003-2004 and every third year.

2248 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 2245 or 2211.

2249 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 2211 or 2245.

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. Field experience includes a 6-week practicum of after school classes during the second half of the semester.

Cross-listed with Education 3001.

3320 Directing

4 credits

Principles of staging the play through projects designed to provide a wide range of experience in approaching the particular problems of the director.

Prerequisite: Theatre Arts 1113 or 1151 or permission of the instructor.

Offered in alternate years.

3328 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 as needed.

3330 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 2246, 2248, or 2249, and permission of the instructor.

This course may be repeated for credit.

3332 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 and permission of the instructor.

This course may be repeated for credit.

3334 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.

3336 Directing Laboratory

2 credits

A practicum in play directing associated with a production from the Department's theatre season which provides the student with directing challenges at an advanced level.

Prerequisites: Theatre Arts 3320 and permission of the instructor.

This course may be repeated for credit.

3338 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.

Prerequisite: permission of the instructor.

This course may be repeated for credit.

3340 Playwriting Laboratory

2 credits

A practicum in playwriting associated with a production from the Department's theatre season which provides the student with playwriting challenges at an advanced level.

Prerequisites: Theatre Arts 3328 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.

Humanities.

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 or 1151, Music 1104, and by audition during first week of class.

Cross-listed with Music 3353.

4460 Drama Workshop

4 credits

A Capstone course designed for Theatre majors, minors, and others interested in advanced problems in the interpretation and performance of theatrical texts. This laboratory course emphasizes the relationship of textual analysis and research to the practical problems encountered by actors, directors, designers, and dramaturges. A different set of theatrical texts is explored in different years, texts illuminating a genre, a theatrical style, or the work of a major playwright or group of playwrights.

Prerequisite: senior Theatre Arts major, dual major, or minor; or permission of the instructor.

2265; 3365; 4465 Special Topics in Theatre Arts

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; 2296; 3395; 3396; 4495; 4496 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; 2299; 3398; 3399; 4498; 4499 Independent Studies in Theatre Arts

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.

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

IDS 1108 Women in Western Culture

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

Independent Studies in Women's Studies (IDS 2298-4499)

REL 2204 Women & Religion

REL 2215 Prejudice and Power: Minorities in America

REL/SOC 3328 Liberation Movements & Human Freedom

SOC/SWK 2202 The Family

SOC 3335 Women, Men, & Society

Other courses appropriate to the minor, as approved by the program coordinator

Contact: Dr. D. Evergates, History

Dual Majors

ART - COMMUNICATION (60 hrs.: 28 in Art Component and 32 in Communications Component)

ART 1101 Drawing I

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 1110 Public Speaking

COM 2203 Quantitative Research Methods
(2 cr.)

COM 2204 Quantitative Research Methods
(2 cr.)

STA 2215 Elementary Statistics for Social
Science

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

At least one Capstone 4492 course in either
Art or Communication and an internship is
also recommended.

It is recommended that you secure advisers in
both the Communication and Art
Departments.

*Contacts: Prof. Bloom, Art; Dr. Lemieux,
Communication*

ART HISTORY - HISTORY

HIS 1105 Western Civilization I: Origins –
1700

HIS 1106 Western Civilization II: 1700 –
Present

HIS 4492 Capstone – History Colloquium
Four History courses, 2000 level or above

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Four upper level Art History courses

One course in Independent Studies or Special
Topics (4 credits)

Art History Capstone Exam

*Contacts: Dr. Losch, Art History; Dr. Reed,
History*

BIOLOGY - CHEMISTRY (BIOCHEMISTRY) (65 hrs.)

This dual major is intended to serve the needs
and interests of students who wish to concen-
trate their studies in the fields of biochemistry
and/or molecular biology. The program is
designed to be flexible, allowing the students to
emphasize biology or chemistry to greater
degrees depending on their interests. They will
be considered to be majors in both departments
and will have an adviser in both departments.

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
Science 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

BIO/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

*Contacts: Drs. Morrison or Paquin, Biology;
Drs. Nilsson or M. Smith, Chemistry*

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 Computing Fundamentals I

Recommended:

MAT 2219 Calculus III
MAT 3323 Probability
STA 2216 Statistical Methods

Contacts: Dr. Paquin, Biology; Dr. R. Boner, 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 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 2209 Principles of Marketing
BUA 2213 Auditing
BUA 2215 Cost Acct.: A Managerial Emphasis
BUA 4323 Capstone - Corporate Finance (4323 must be taken at the College)

Four hours from among:

BUA 2205 Legal Environment of Business
BUA 2210 Ethics and Business
BUA 2214 Principles of Management
BUA 3220 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 3324 Managerial Economics

ECO 3326 Economic Development

ECO 3327 Industrial Org. & Public Policy

ECO 4310 Money & Financial Markets

Four hours from among:

BUA 2201 Intermediate Accounting I

BUA 2209 Principles of Marketing

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial Emphasis

BUA 4323 Corp. Finance & Financial Management

Four hours from among:

BUA 2205 Legal Environment of Business

BUA 2210 Ethics and Business

BUA 2214 Principles of Management

BUA 3220 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

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) or BLAR

Physical Education

Contact: Dr. Olsh, Economics; Dr. Esa, Foreign Languages

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 adviser 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. Herlocker, Chemistry; Dr. McCole, Exercise Science and Physical Education

COMMUNICATION - ENGLISH (60 hrs.)

Required Courses:

COM 1102 Interpersonal Communication

COM 1103 Mass Communication

COM 1110 Public Speaking

COM 2203 Quantitative Research Methods
(2 cr.)

COM 2204 Qualitative Research Methods (2 cr.)

STA 2215 Elem. Statistics for Social Science

Two 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.

One course from:

ENG 2230 Beowulf to Mallory

ENG 2231 Renaissance Literature

One course from:

ENG 2232 Enlightenment Literature

ENG 2233 Romantics

One course from:

ENG 2234 Victorian Literature

ENG 2270 20th-Century British Literature

Two courses from:

ENG 2241 Am. Lit.: Colonial & Romantic

ENG 2242 Am. Lit.: Realism &
Naturalism

ENG 2243 Am. Lit.: Modern &
Contemporary

One course from:

ENG/THE 3350 Shakespeare

ENG 3360 Chaucer

ENG 3363 Major Figures & Groups I
(British)

ENG 3364 Major Figures & Groups II
(American)

One course from:

ENG 2250 Post Colonial Literature

ENG 2251 Literature by Women

ENG 2252 Popular Literature

ENG 2253 Southern Literature

ENG 2254 Nature Writing

ENG 2255 The Short Story Cycle

ENG 2256 Twentieth-Century American
Poetry

ENG 2258 African-American Literature

ENG 2260 Horror Fiction

ENG 2271 Contemporary British
Literature

CLT 2219 & 2220 Great Works West.
World I & II

Contacts: Dr. Meyer, Communication; Dr. Panek, English

COMMUNICATION - FOREIGN LANGUAGE (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

1 course taught in English 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)

Required Courses in Communication:

COM 1102 Interpersonal Communication

COM 1103 Mass Communication

COM 1110 Public Speaking

COM 2203 Communication Research
Methods: Quantitative (2 credits)

COM 2204 Communication Research
Methods: Qualitative (2 credits)

COM 3352 Intercultural Communication
STA 2215 Elementary Statistics for Social
Science

Two additional four-credit courses in
Communication at the 3000 level or above.

Contacts: Dr. Meyer, Communication; Dr. Motard-Noar, Foreign Languages

COMMUNICATION - SOCIOLOGY
(64 hrs.)

- COM 1102 Interpersonal Communication
- COM 1103 Mass Communication
- COM 1110 Public Speaking
- STA 2215 Statistics for Social Science
- COM 2203 Quantitative Research Methods (2 credits)
- COM 2204 Qualitative Research Methods (2 credits)
- Three 3000-level Communication courses
- COM 4594 Senior Seminar (Capstone)
- SOC 1104 Introduction to Global Societies
- 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/SOC 2204 Social Psychology
 - SOC 2205 Criminology
 - SOC 2214 Human Behavior and the Social Environment
 - SOC 2225 Aging: The Individual and Society
 - SOC 3308 Adulthood and Aging
 - SOC 3410 Work and Occupations
- Two courses from the area Social Organization:
 - SOC 2240 Technology and Social Change
 - 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 2203 Urban Sociology
 - 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. Lemieux, Communication; Dr. Lemke, Sociology

COMMUNICATION - THEATRE ARTS
(62 hrs.)

- Required:*
- THE 1111 Stagecraft
- THE 1113 Acting or THE 1151 Acting: The Creative Process
- THE 4460 Capstone - Drama Workshop
- COM 1102 Interpersonal Communication
- COM 1103 Mass Communication
- COM 1110 Public Speaking
- COM 2203 Quantitative Research Methods (2 cr.)
- COM 2204 Qualitative Research Methods (2 cr.)
- STA 2215 Elem. Statistics for Social Science
- Two additional four-credit courses in Communication at the 3000 level or above.
- Internships do not apply.
- COM 4594 Senior Seminar
- Two courses from:
 - THE/CLT 2225 Theatre of the Western World I
 - THE/CLT 2226 Theatre of the Western World II
 - THE/CLT 2227 The Contemporary Theatre
 - THE/CCS 2230 Performance & Culture
 - THE 2284 Modern American Drama
 - THE/EDU 3001 Teaching Theatre to Young People
- Two courses from:
 - THE 2211 Creating A Character
 - THE 2241 Costume & Makeup Design
 - THE 2242 Lighting Design
 - THE 2243 Set Design
 - THE 2244 Theatre Management
 - THE 2245 Voice & Movement for the Actor
 - THE 2246 Scene Study
 - THE 2248 Modern Acting Styles
 - THE 2249 Classical Acting Styles
 - THE 3320 Directing
 - THE 3328 Playwriting
- One course from:
 - THE 3330 Performance Laboratory (2 hrs.)
 - THE 3332 Production Laboratory (2 hrs.)
 - THE 3334 Management Laboratory (2 hrs.)
 - THE 3336 Directing Laboratory (2 hrs.)
 - THE 3338 Dramaturgy Laboratory (2 hrs.)
 - THE 3340 Playwriting Laboratory (2 hrs.)

Suggested First-Year Schedule:

THE 1111 Stagecraft

THE 1113 Acting or THE 1151 Acting: the Creative Process

COM 1102 Interpersonal Communication

COM 1103 Mass Communication

English Composition

Foreign Language

First-year Seminar

Contacts: Professor Slade, Communication; Prof. Domser, Theatre

COMPUTER SCIENCE - MATH (67 hrs.)

CSC 1106 Computing Fundamentals I

CSC 1107 Computing Fundamentals II

CSC 2201 System Software

CSC/MAT 2210 Numerical Analysis

Two additional four-credit courses in computer science chosen from Computer Architectures, Algorithms, and Software Engineering (2000 level)

Three additional four-credit courses in computer science (2000 and 3000 level)

MAT 1118 Calculus II

MAT 2218 Linear Algebra

MAT 2224 Fundamentals of Mathematics

MAT 3305 Introduction to Mathematical Analysis

MAT 4406 Abstract Algebra

Two additional courses at the 2000 level or higher (cross-listed courses satisfy either mathematics or computer science requirement)

Two hours of Mathematics Problem Seminar

CSC 4494/MAT 4494 Capstone Experience in Computer Science or Mathematics (1 hr.)

Contacts: Dr. R. Boner, Mathematics; Dr. J. Miller, Computer Science

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 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
 2211 For. Lang. World & Culture I
 2212 For. Lang. World & Culture II
 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. Motard-
 Noar, 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
 One course chosen from:
 MAT 3324 Mathematical Statistics
 MAT 3328 Operations Research
 MAT 3335 Stochastic Processes
 One hour from Mathematics Problem
 Seminar
 CSC 1106 Computing Fundamentals I
 MAT 4494 Capstone Experience in
 Mathematics (1 hr.)

*Contacts: Dr. J. Olsh, Economics; Dr. R. Boner,
 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. C. Neal,
 Political Science and International Studies*

ENGLISH - HISTORY (56 hrs.)

HIS 1105 Western Civilization I: Origins -
 1700
 HIS 1106 Western Civilization II: 1700 -
 Present
 Four courses in American or European
 History, 2000 level or above
 HIS 4492 Capstone - History Colloquium or
 ENG 4492 Capstone - Senior Seminar
 One course from:
 ENG 2230 Beowulf to Mallory
 ENG 2231 Renaissance Literature
 One course from:
 ENG 2232 Enlightenment Literature
 ENG 2233 Romantics
 One course from:
 ENG 2234 Victorian Literature
 ENG 2270 Horror Fiction
 ENG/THE 3350 Shakespeare
 Two courses from:
 ENG 2241 Amer. Lit.: Colonial &
 Romantic
 ENG 2242 Amer. Lit.: Realism &
 Naturalism
 ENG 2243 Amer. Lit.: Modern &
 Contemporary
 One course from:
 ENG 2250 Post-Colonial Literature
 ENG 2251 Literature by Women
 ENG 2252 Popular Literature
 ENG 2253 Southern Literature
 ENG 2254 Nature Writing
 ENG 2255 Short Story Cycles
 ENG 2256 20th-Century American Poetry
 ENG 2258 African-American Literature
 ENG 2260 Horror Fiction

ENG 2271 Contemporary British
Literature
CLT 2219 & 2220 Great Works I & II

Contacts: Dr. Panek, English; Dr. Reed, History

ENGLISH - POLITICAL SCIENCE (52 hrs.)

Period Courses:

Take 1

ENG 2230 Beowulf to Mallory
ENG 2231 Renaissance

Take 1

ENG 2232 Enlightenment Literature
ENG 2233 Romanticism

Take 1

ENG 2234 Victorian
ENG 2270 20th-Century British

Take 2

ENG 2241 American Lit. I: Colonial &
Renaissance
ENG 2242 American Lit. II: Realism &
Naturalism
ENG 2243 American Lit. III: Modern &
Contemp.

Figure Course:

Take 1

ENG/THE 3350 Shakespeare
ENG 3360 Chaucer
ENG 3363 Major Figure British
ENG 3364 Major Figure American

Special Areas:

Take 1

ENG 2250 Post-Colonial Literature
ENG 2251 Literature by Women
ENG 2252 Popular Literature
ENG 2253 Southern Literature
ENG 2254 Nature Writing
ENG 2255 Short Story Cycles
ENG 2256 20th-Century American Poetry
ENG 2258 African-American Literature
ENG 2260 Horror Fiction
ENG 2271 Contemporary British
Literature

CLT 2219 & 2220 Great Works I & II

PSI 1101 Intro. to Political Science

PSI 1111 Early Western Political Thought or
PSI 1112 Modern Western Political
Thought

Three additional Political Science Courses
PSI 4492 Senior Seminar - Capstone

*Contacts: Dr. Panek, English; Dr. C. Neal,
Political Science and International Studies*

ENGLISH - THEATRE ARTS (58 hrs.)

Required:

THE 1111 Stagecraft
THE 1113 Acting or THE 1151 Acting: The
Creative Process

ENG/THE 3350 Shakespeare

THE 4460 Capstone - Drama Workshop

Two courses from:

THE/CLT 2225 Theatre of the Western
World I

THE/CLT 2226 Theatre of the Western
World II

THE/CLT 2227 The Contemporary
Theatre

THE/CCS 2230 Performance & Culture

THE 2284 Modern American Drama

THE/EDU 3001 Teaching Theatre to
Young People

Two courses from:

THE 2211 Creating A Character

THE 2241 Costume & Make-up Design

THE 2242 Lighting Design

THE 2243 Set Design

THE 2244 Theatre Management

THE 2245 Voice & Movement for the
Actor

THE 2246 Scene Study

THE 2248 Modern Acting Styles

THE 2249 Classical Acting Styles

THE 3320 Directing

THE 3328 Playwriting

One course from:

THE 3330 Performance Laboratory (2 hrs.)

THE 3332 Production Laboratory (2 hrs.)

THE 3334 Management Laboratory (2
hrs.)

THE 3336 Directing Laboratory (2 hrs.)

THE 3338 Dramaturgy Laboratory (2 hrs.)

THE 3340 Playwriting Laboratory (2 hrs.)

One course from:

ENG 2230 Beowulf to Mallory

ENG 2231 Renaissance Literature

One course from:

ENG 2232 Enlightenment Literature

ENG 2233 Romanticism

One course from:

- ENG 2234 Victorian Literature
- ENG 2270 Twentieth-Century British Literature

One course from:

- ENG 2250 Post-Colonial Literature
- ENG 2251 Literature by Women
- ENG 2252 Popular Literature
- ENG 2253 Southern Literature
- ENG 2254 Nature Writing
- ENG 2255 Short Story Cycles
- ENG 2256 20th-Century American Poetry
- ENG 2258 African-American Literature
- ENG 2260 Horror Fiction
- ENG 2271 Contemporary British Literature
- CLT 2219 & 2220 Great Works I & II

Two courses from:

- ENG 2241 American Lit. I: Colonial & Renaissance
- ENG 2242 American Lit. II: Realism & Naturalism
- ENG 2243 American Lit. III: Modern & Contemp.

Suggested First-Year Schedule:

- THE 1111 Stagecraft
- THE 1113 Acting or THE 1151 Acting: The Creative Process
- English Composition
- Foreign Language
- BLAR
- First-year Seminar

Contacts: Dr. Panek, English; Prof. Ira Domser, Theatre

FOREIGN LANGUAGE - HISTORY (60 hrs.)**

***Programs are available in French, German, and Spanish*

- HIS 1105 Western Civilization I: Origins - 1700
- HIS 1106 Western Civilization II: 1700 - Present
- Four upper-level History courses
- Foreign Language 1101, 1102 (or 1103), 2211, 2212, 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. Motard-Noar, Foreign Languages; Dr. Reed, 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 (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. Motard-Noar, Foreign Languages; Dr. C. Neal, 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)
- 2 Foreign Language courses at 2000 level
- 3 Foreign Language courses at 3000 level
- 1 Foreign Language course taught in English, 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 Global Societies

SOC 3319 The Development of Sociology
Theory

SOC 3358 Research Methods in Sociology

SOC 4494 Quantitative Data Analysis in
Sociology (capstone)

1 course from the area Society and the
Individual:

SOC 2201, SOC 2202, SOC 2204, SOC
2205, SOC 2214, SOC 2225, SOC
2410, SOC 3308

1 course from the area Social Organization:
SOC 2240, SOC 3315, SOC 3325, SOC
3348, SOC 3360, SOC 3430

2 courses from the area Social Inequality:
SOC 2203, SOC 2212, SOC 2427, SOC
3328, SOC 3355, SOC 3429

HISTORY - POLITICAL SCIENCE

(48 hrs.)

HIS 1105 Western Civilization I: Origins -
1700

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. Reed, History; Dr. Neal, Political
Science and International Studies*

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

Two hours from Mathematics Problem
Seminar

CSC 1106 Computing Fundamentals I

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/CHE 3315 Physical Chemistry II

MAT 4494 Capstone Experience in
Mathematics (1 hr.) or PHY 4491

Capstone - Physics Seminar (1 hr.)

*Contacts: Dr. R. Boner, Mathematics; Dr.
Pagonis, Physics*

MUSIC - THEATRE ARTS (60 hrs.)

Required:

THE 1111 Stagecraft

THE 4460 Capstone - Drama Workshop

THE 1113 Acting or THE 1151 Acting: The
Creative Process

MUT 1131 Music Theory I

MUT 1132 Music Theory II

MUL 2203 Music of the Western World I

MUL 2204 Music of the Western World II

MUL/THE 2216 History of Musical Theatre

MUS 1201 Piano Proficiency

MUS 1202 Voice Proficiency

Two courses from:

THE/CLT 2225 Theatre of the Western
World I

THE/CLT 2226 Theatre of the Western
World II

THE/CLT 2227 The Contemporary
Theatre

THE/CCS 2230 Performance & Culture

THE 2284 Modern American Drama

Two courses from:

- THE 2211 Creating A Character
- THE 2241 Costume & Make-up Design
- THE 2242 Lighting Design
- THE 2243 Set Design
- THE 2244 Theatre Management
- THE 2245 Voice & Movement for the Actor

- THE 2246 Scene Study
- THE 2248 Modern Acting Styles
- THE 2249 Classical Acting Styles

- THE 3320 Directing
- THE 3328 Playwriting
- THE 3353 Musical Theatre Scene Study

One course from:

- THE 3330 Performance Laboratory (2 hrs.)
- THE 3332 Production Laboratory (2 hrs.)
- THE 3334 Management Laboratory (2 hrs.)

- THE 3336 Directing Laboratory (2 hrs.)
- THE 3338 Dramaturgy Laboratory (2 hrs.)
- THE 3340 Playwriting Laboratory (2 hrs.)

One course chosen from upper-level electives or independent studies in Music

Six hours from private lessons to be selected from the following:

- MUS 1003 Classical Piano
- MUS 1006 Voice
- MUS 1010 Jazz Piano

Contacts: Dr. Boudreaux, Music; Prof. Domser, Theatre

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

NOTE: Contact the Religious Studies Department for courses that satisfy the requirements for historical and analytical studies and religious thought and ethics.

Contact: Dr. Hadley, 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 consid-

ered. 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 The Institution of Social Work
 SWK 3322 Social Work Practice I
 SWK 3349 Methods in Social Work
 SWK 4417/4418 Field Instruction in Social Work I & II
 SWK 4415/4416 Field Instruction Seminar I & II
 SWK 3325 Managing Systems in a Macro Environment

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 2266 International Human Rights*
 PSI 2266 Identity Politics*
 PSI 3366 Conflict Resolution*

*Special Topics courses presently offered (Conflict Resolution) or planned for the future.

Contacts: Dr. C. Neal, Political Science and International Studies; Dr. Rees, Social Work

PSYCHOLOGY - SOCIOLOGY (56 hrs.)

Required:

SOC 1104 Introduction to Global Societies
 SOC/CCS 1108 Cultural Anthropology or
 SOC 2201 Society and the Individual
 SOC 3319 Development of Sociological Theory
 PSY 1106 Introduction to Psychology
 PSY 2201 Psychology of Learning and Animal Laboratory
 PSY/SOC 2204 Social Psychology
 PSY 2223 Psych. Methods I: Measurement & Assessment
 PSY 2224 Psych. Methods II: Research Design & Analysis

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 3211 Psychology of Abnormality
 SOC 2205 Criminology

One course from:

PSY 2209 Child and Adolescent Development
 PSY 3306 Adolescence
 PSY/SOC 3308 Adulthood & Aging
 SOC/SWK 2214 Human Behavior & the Social Environment

One capstone course or independent research conducted under the supervision of a faculty member. One capstone course is offered as seminar each semester. The topics are determined by both faculty expertise and student interest.

Contacts: Dr. W. Miller, Psychology; Dr. Lemke, Sociology

College Organization

Presidents		Chair of the Board	
1867-1886	James Thomas Ward, D.D.	1868-1892	John Smith, Esq.
1886-1920	Thomas Hamilton Lewis, A.B., A.M., D.D., LL.D.	1892-1897	The Reverend James Thomas Ward, D.D.
1920-1935	Albert Norman Ward, A.B., A.M., D.D.	1897-1913	Joshua Webster Hering, A.M., M.D., LL.D.
1935-1947	Fred Garrigus Holloway, A.B., B.D., D.D., LL.D., L.H.D.	1914-1918	Charles Billingslea, D.D.S.
1947-1972	Lowell Skinner Ensor, B.A., B.D., D.D., L.H.D., LL.D.	1919-1922	Elias Oliver Grimes, Esq.
1972-1984	Ralph Candler John, B.A., S.T.B., S.T.M., Ph.D., L.H.D., Litt.D., D.H.L.	1922-1928	The Reverend Francis T. Little, D.D.
1984-2000	Robert Hunter Chambers, III, A.B., B.D., Ph.D.	1929-1949	The Bishop James Henry Straughn, B.A., D.D., LL.D.
2000-	Joan Develin Coley, A.B., M.Ed., Ph.D.	1949-1963	Franklin Murray Benson, B.A., LL.B., LL.D.
		1963-1968	Brigadier General Robert Joshua Gill, B.A., LL.B., LL.D.
		1968-1971	Joshua Weldon Miles, B.A., LL.B., LL.D.
		1971-1982	Wilbur Day Preston, Jr., B.A., J.D., D.C.L.
		1982-1986	Robert Edwin Bricker, B.A., LL.D.
		1986-1991	William Sorrell Keigler, B.S., L.H.D.
		1991-1996	Millard Lee Rice, B.A., Sc.D.
		1996-	James Irvin Melhorn, A.B., M.Div.

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Baltimore, Maryland

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Lockheed Martin Corporation
Potomac, Maryland

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Managing Partner
Whiteford, Taylor & Preston L.L.P.
Sykesville, Maryland

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Davidsonville, Maryland

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University of Maryland College Park
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Professor of Biology Emerita
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Lutherville, Maryland

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Preston Realty, LLC
Baltimore, Maryland

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Host and Executive Producer
The Diane Rehm Show
Bethesda, Maryland

M. Lee Rice '48; Sc.D. '83 (hon.)

(1980)
Business Consultant
Winchester, Virginia

R. Christine Royer '48 (1994)

Vice President of Public Affairs (Retired)
Barnard College
New York, New York

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Community Leader & Real Estate Manager
Manchester Manor
Westminster, Maryland

Dennis G. Sisco '68 (1999)

Partner, Behrman Capital
Newtown, Connecticut

Robert W. Smith, Jr. (2003)

Partner, Corporate & Securities
Piper Rudnick LLP
Hunt Valley, Maryland

Dolores J. Snyder, M.Ed. '63; L.H.D. '89 (hon.) (1980)

Educator (Retired)
Westminster, Maryland

Ferenc Somogyi (1994)

Director for EU Integration and International
Regulatory Affairs of
MATAV Hungarian Telecommunications
Company Limited
Budapest, Hungary

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.
Marco Island, Florida

Nancy C. Voss '54 (1981)

Educator (Retired)
Denton, Maryland

Robert E. Warfield '62 (2004)

Real Estate Developer
Ocean City, Maryland

Michael E. Weinblatt '71 (1994)

Professor of Medicine, Harvard Medical
School
Director of Clinical Rheumatology
Brigham & Women's Hospital
Waban, Massachusetts

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President & CEO
First Annapolis Consulting
Arnold, Maryland

Leslie A. Wiley (1999)

President, TYL Associates
Washington, D.C.

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President/CEO
N.H. Yates & Company, Inc.
Phoenix, Maryland

Emeriti Trustees

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(hon.) (1974)
Business Executive (Retired)
Blue Bell, Pennsylvania

Mary B. Bryson '35 (1967)

Community Leader
Westminster, Maryland

William S. Keigler, L.H.D. '91 (hon.)
(1980)

President (Retired)
The C. M. Kemp Mfg. Company
Naples, Florida

Catherine S. Kiddoo '46 (1982)

Community Leader
Naples, Florida

Robert K. Mathias '48 (1975)

Vice President (Retired)
The Black and Decker Corp.
Reisterstown, Maryland

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(1960)

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Ellicott Machine Corporation
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Chairman, Whiteford, Taylor & Preston,
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Lutherville, Maryland

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(hon.) (1972)

Attorney
Baltimore, Maryland

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Educator (Retired)
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President (Retired)
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(2004)

Francis "Skip" Fennell, Professor of
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Vice President, Administration and Finance, **Ethan A. Seidel**

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B.S., Towson University; M.Ed., Western Maryland College*

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A.B., Princeton University; M.Ed., Ph.D., University of New Orleans

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B.A., University of Maryland Baltimore County; M.S., Western Maryland College*

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B.A., The Johns Hopkins University; M.B.A., Wharton Graduate School, University of Pennsylvania; Ph.D., The Johns Hopkins University

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B.S., Iowa State University

* McDaniel College

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B.S., Towson University

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B.S., Central State University; M.B.A.,
Morgan State University

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Ernest L. Ogle, Telecommunications Manager

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M. Martha O'Connell, Dean of Admissions
B.S., M.Ed., Rutgers University

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B.S., Villa Julie College

Heidi M. Reigel, Associate Director of Admissions
B.A., Western Maryland College*

George E. Dix, Admissions Counselor
B.A., Virginia State University

Alumni Relations

Robin Adams Brenton, Director of Alumni Relations
B.A., Western Maryland College*

TBA, Associate Director of Alumni Relations

Kathryn E. Crowe, Associate Director of Alumni Relations
B.A., Western Maryland College*

Athletics

James M. Smith, Director of Athletics
B.S., Cornell University; M.Ed., Loyola University

Carol A. Fritz, Associate Director of Athletics
B.S., West Chester University of Pennsylvania; M.Ed., Western Maryland College*; Ed.D., George Washington University

Stephen E. Peed, Director of Sports Information
B.A., Western Maryland College*

Gregg S. Nibbelink, Head Athletic Trainer & Lecturer
B.S., Towson State University; M.S., Ohio State University

Melissa D. Lachman, Trainer & Lecturer
B.A., M.S., Western Maryland College*

James R. Townsend, Intramural Director
B.S., Salisbury University

Head Coaches

Baseball, **David G. Seibert**

Men's Basketball, **Jay D. Dull**

Women's Basketball, **Rebecca L. Martin**

Cross Country, **Douglas J. Renner**

Field Hockey, **TBD**

Football, **Timothy F. Keating**

Men's Golf, **J. Scott Moyer**

Women's Golf, **Michael C. Diehl**

Men's Lacrosse, **James R. Townsend**

Women's Lacrosse, **TBD**

Men's Soccer, **John P. Plevyak**

Women's Soccer, **Scott Swanson**

Women's Softball, **George E. Dix**

Swimming, **Catherine E. Easterday**

Men's Tennis, **Kevin T. Klunk**

Women's Tennis, **Sonya Fox**

* McDaniel College

Track, **Douglas J. Renner**

Volleyball, **Carole J. Molloy**

Wrestling, **Samuel Gardner**

Biology

Kathryn E. Sheridan, Lab Preparator
B.A., Western Maryland College*

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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., Western
Maryland College*

Career, Counseling, and Health Services

Karen N. Arnie, Director of Career
Advising
B.A., Western Maryland College*; M.A.,
University of Maryland

Alison L. Kidwell, Assistant Director of
Career Advising
B.A., M.S.W., University of Maryland at
Baltimore

Susan J. Glore, Director of Counseling
Services
B.A., M.S., Shippensburg University

Herbert E. Henderson, Medical
Director
B.S., University of South Carolina;
M.D., Medical University of South Carolina

Katherine B. Moncure, Counselor
B.S., Rochester Institute of Technology; M.A.,
Fairfield University

Joan M. Lusby, Physician's Assistant (certi-
fied)
B.S., Johns Hopkins University

College Activities

Mitchell K. Alexander, Director of
College Activities
B.A., M.Ed., Western Maryland College*

Amanda M. Rose, Assistant Director of
College Activities
B.A., Western Maryland College*; M.S.,
McDaniel College

Kevin T. Klunk, Operations Supervisor
B.A., M.S., Western Maryland 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

Rita F. Beyer, Associate Director/Media
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B.A., Franklin & Marshall College

Susan E. Duke, Office Manager & Public
Information Assistant

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Steve Krahling-Haddad, Associate Vice
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B.A., Indiana University at Bloomington

Erika R. Seth, Director of Corporate &
Foundation Relations
B.A., Georgetown University

Toni L. Condon, Director of Major Gifts
& Campaign Director
B.A., University of Nebraska at Omaha;
M.T.S.C., Miami University

Kimberly S. Parks, Director of Annual
Giving
B.A., Lynchburg College

Gail S. Oppel, Director of Gift Planning
B.A., Goucher College

Marcus Lee Primm, Director of Special
Projects
B.A., Western Maryland College*

* McDaniel College

Vicky E. Shaffer, Director of
Advancement Services

TBD, Associate Director of Reunion Giving

John G. Boyle, Assistant Director of
Annual Giving (Young Alumni)
B.S., Boston University

TBD, Assistant Director of Annual Giving
(Parent & Reunion Giving)

Debbie V. Leazer, Assistant Director of
Donor Relations

Sandra V. Miller, Special Events
Coordinator

Facilities Management & Auxiliary Services

Mary Jo Colbert, Director of Conference
& Auxiliary Services
B.S., Erskine College; M.S., McDaniel
College

Katherine L. Cousins, Special Events
Coordinator, Conference Services

TBD, Administrative Secretary

Kyle H. Meloche, Manager, Book Store
B.A., McDaniel College

Vickie Carlson, Assistant Manager, Book
Store

Cameron Smith, General
Manager/Executive Chef, Food Services

Melvin J. Whelan, Building Services
Coordinator

Facilities Planning & Capital Projects

Edgar S. Sell, Jr., Director of Facilities
Planning & Capital Projects

Philip R. Boob, Director of Grounds &
Special Events

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B.S., M.A.S., The Johns Hopkins University

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Professional Studies
B.S., Carroll College; M.S., University of
Wisconsin-Milwaukee;
Ed.D., University of Georgia

Sherri L. Hughes, Coordinator Human
Resources Development
B.A., Davidson College; M.S., Ph.D., Georgia
Institute of Technology

Sarah R. Richardson, Administrative
Assistant

Sheila R. Deane, Deaf Programs Manager

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B.S., James Madison University; M.A.,
Glassboro State College

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B.S., University of Delaware; M.A., Ph.D.,
University of Maryland

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B.S., University of Maryland, College Park;
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B.S., Highpoint University

Maxine A. Groft, Systems and Network Administrator/Programmer
B.A., M.S., Hood College

Edward H. Holthouse, III, Technical Services Specialist

Wallace H. Newsome, Programmer/Analyst
B.A., Ohio Northern University

Anita A. Thiernian, Software Support Specialist/Trainer
B.A., Western Maryland College*

Kellie J. Wuorinen, Student Network Manager
A.S., Devry Institute of Technology

Benjamin A. Koger, Webmaster/Assistant Systems & Network Administrator
B.A., Lynchburg College

Cathy S. Brown, Database Administrator
A.A., Frederick Community College; B.A., M.S., Hood College

TBD, PC Support Technician

Amy S. Bell, Web Advisor Administrator
B.A., Hood College

Institutional Advancement

Richard G. Kief, Vice President for Institutional Advancement
B.S., St. Joseph's University

* *McDaniel College*

Beverly G. Staub, Executive Secretary
B.S., Shippensburg University

Library

Michele M. Reid, Librarian, Director of Hoover Library
B.A., University of Central Florida; M.A., University of Southern Florida

Lois J. Szymanski, Assistant to the Director
A.A., Hagerstown Junior College

Linda J. Garber, Acquisitions Supervisor
B.S., Towson University

M. Roxane Brewer, Cataloging Supervisor

Angela M. Shiever, Interlibrary Loan Supervisor

Heshmat Badiee, Audio-Visual Services

Math/Computer Science

Carolyn B. Boner, Director, Math Proficiency Program
B.S., Wittenberg University; M.A.T., Indiana University

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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

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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

Esther E. Griffith, Support Services
Assistant, Post Office

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Jan A. Kiphart, Registrar
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Diane M. Morris, Associate Registrar
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B.S., University of Maryland, University
College; M.S., McDaniel College

Stephanie A. Clark, Administrator of
Data Management & Integrity
B.S., Salisbury University; M.B.A., Hawaii
Pacific University

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Erica L. Bowman, Residence Life
Coordinator
B.A., Longwood College; M.Ed., Springfield
College

Stephanie D. Cook, Residence Life
Coordinator
B.S., Pennsylvania State University

TBD, Residence Life Coordinator

Shonda S. Wilson, Residence Life
Coordinator
B.A., Virginia Wesleyan College; M.S.,
McDaniel College

Student Affairs

Philip R. Sayre, Vice President & Dean of
Student Affairs
B.A., Hamilton College; M.Ed., University of
Massachusetts; Ph.D., Boston College

Elizabeth S. Towle, Associate Dean of
Student Affairs
B.A., Assumption College; M.A., University of
Vermont

Judith A. Hart, Administrative Assistant

Emeriti

The dates in parentheses following the listing
of each person are the dates of first appoint-
ment 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 Bowlsbey, 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)

Emeriti Faculty

Jacques Theophile De Rasse,
Baccalaureat es Lettres, Certificat d'Aptitude
Pedagogique de Lille, Licence de l'Academie
de Paris, Mention Honorable en Pedagogie de
Academie de Paris
Assistant Professor of French Emeritus (1963-
1976)

Jean Kerschner, A.B., Ph.D.
Professor of Biology Emerita (1952-1980)

Fern Rudolph Hitchcock, Jr., B.A.,
M.Ed.
Assistant Professor of Physical Education
Emeritus (1962-1984)

Julia Taylor Hitchcock, B. Mus.Ed.,
B.Mus.
Assistant Professor of Music Emerita (1960-
1985)

* McDaniel College

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)

Robert Hill Hartman, A.B., S.T.B., Ph.D.
Professor of Philosophy and Religious Studies
Emeritus (1969-1995)

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.

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.,
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Studies Emeritus (1969-1998)

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(1970-1999)

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Joan Rita Weyers, B.S., M.Ed.

Assistant Professor of Exercise Science and
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Ila A. Vidyarthi, Adjunct Lecturer in Philosophy.

Margaret Motter Ward, Adjunct Lecturer in Music, B.Mus., Eastman School of Music.

David W. Weigelt, Adjunct Lecturer in Art.

Robin L. Weisse, Adjunct Lecturer in Economics and Business Administration, B.A., The Johns Hopkins University; J.D., Rutgers University School of Law.

Rachel Wentz, Adjunct Lecturer in Education, B.A., Western Maryland College*; M.A., Wake Forest University.

* McDaniel College

Elijah G. Wirth, Adjunct Lecturer in Music, B.M., M.M., Peabody Conservatory.

Jennie Wollenweber, Adjunct Lecturer in English, B.A., M.A., Salisbury University.

Delmas P. Wood, III, Adjunct Lecturer in Sociology, B.A., Morningside College; M.Ed., University of Maryland.

Librarians

James E. Hill, Assistant Librarian, B.A., Masters in Library and Information Science, University of Illinois at Urbana-Champaign. (2003)

Sally A. Jones, Assistant Librarian, B.A., Masters in Library and Information Science, University of Pittsburgh. (2003)

Karen Nuber, Assistant Librarian, B.S., Marquette University; M.S., University of Wisconsin-Milwaukee. (2004)

Michele M. Reid, Director of Hoover Library, B.A., University of Central Florida; M.A., University of South Florida; M.A., Rutgers University. (2002)

Jane Flickinger Sharpe, Associate Librarian, Catalog, B.S., Millersville University; M.L.A., Western Maryland College*. (1970)

Visiting Faculty

James R. Corbin, Visiting Instructor of Social Work, B.A., Pennsylvania State University; M.S.W., Temple University.

Michael Dirda, Visiting Scholar of English, B.A., Oberlin College; M.A., Ph.D., Cornell University.

Michele Gribben, Visiting Lecturer in Mathematics, B.A., Western Maryland College*; M.S., University of Maryland.

Margaret Trader, Visiting Associate Professor in Education, B.A., M.Ed., Western Maryland College*; Ph.D., University of Maryland.

Jakub Zejmis, Visiting Instructor 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

Lászlo 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 Student Programs, B.A., Grove City College; M.A., Ph.D., Lehigh University. (1999)

Faculty

László Arató, Fine Arts, M.A., Eötvös Loránd University of Liberal Arts and Sciences. (1995)

Tamás Bácskai, Professor of Economics, J.D., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., Hungarian Academy of Sciences. (1995)

Ottília Boross, Assistant Professor of Psychology, M.A., Eötvös Loránd University of Liberal Arts and Sciences. (2000)

John Ernest Creighton Collins, Business Administration, M.Sc.Ed., Christ Church, University of Oxford; certificate in Financial Administration and Accounting; British Professional Examinations in Law. (1995)

Zsuzsa Deli, Business Administration, M.S., University of Economics, Budapest. (1999)

Erika Fallier, Hungarian, B.A., Eötvös Loránd University of Liberal Arts and Science. (2000)

András Farkas, Statistics, M.S., Technical University, Budapest; Ph.D., Budapest University of Technology and Economics. (2001)

* McDaniel College

László V. Frenyó, Professor of Immunophysiology, DVM., Szent – Istvan University, Budapest; Ph.D., Hungarian Academy of Science. (2000)

Balázs József Gellér, Associate Professor of Law, M.A., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., University of Cambridge, U.K. (2000)

Laszlo Horvath, Assistant Professor of Economics, M.S., Budapest University of Economics. (1998)

András Körösenyi, Professor of Political Science, M.A., Budapest University of Economics; Ph.D., Hungarian Academy of Sciences. (2002)

Márta Láng-Lázi, Assistant Professor of 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, Communication, 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)

Katalin Pallai, Art History, M.S., Technical University; M.A., Eötvös Loránd University of Liberal Arts and Sciences. (1996)

Andrea Pető, History, Sociology, M.A., Sociology, Marx University of Economics; Ph.D., Eötvös Loránd University of Arts and Sciences. (2002)

László Sandor Pintér, History, Diploma, Sverdlovsk Law School, U.S.S.R.; 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)

Jolán Róka, Associate Professor of Communication, M.A., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., Hungarian Academy of Sciences. (1998)

Pál Rózsa, Professor of 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)

Etelka Stubnya, Assistant Professor of Mathematics, M.S.Arch., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., Technical University. (1994)

Sándor Surányi, Associate Professor of Economics, M.S., University of Economics; Ph.D., Hungarian Academy of Science. (1996)

Gabriella Szép, Assistant Professor of Mathematics, M.S., Eötvös Loránd University of Liberal Arts and Sciences. (2000)

Anna Szilagyi, English, M.A., English and Russian, Eötvös Loránd University of Liberal Arts and Sciences. (2000)

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, Professor of Economics, M.A., D.A., University of Economics; Ph.D., Hungarian Academy of Science. (1994)

Zsolt Viczián, Information Processing, M.A., Technical University of Budapest. (2000)

Endowed Scholarships and Loans

Scholarships

The Alumni Classes Memorial

Scholarship Fund: Established in 1998 to receive gifts from members of the Honor Classes in memory of classmates. This fund will provide scholarship support for worthy students at the College based on need.

The Dr. George Stansbury Baker Memorial Scholarship Fund:

Established in 2000 in honor of Dr. George Stansbury Baker, Class of 1927, by Charles D. and Turner Baker Broll. The scholarship is awarded annually to deserving students, either sophomores, juniors, or seniors, majoring in the sciences who demonstrate academic distinction and financial need. Preference may be given to those who wish to pursue a career in medicine or a related field.

The Richard J. Baker and Jean L.

Baker Scholarship Fund: Established in 1997 by Richard and Jean Lamoreau Baker, both members of the Class of 1942. It is awarded to an undergraduate student who is a U.S. citizen, who graduates in the top 10 percent of his/her high school class, who exhibits an interest in business studies, and who has financial need.

The William G. Baker, Jr. Scholarship

Fund: Established as a memorial to Mr. William G. Baker, Jr., a devoted trustee of the College.

The Ballard-McDonald Treasure

Seekers Scholarship Fund: Established in 1987 by Virginia Sweeney Ballard, Class of 1942, Worthy Grand Matron, and Robert D. McDonald, Worthy Grand Patron 1986–87, of the Grand Chapter of Maryland Order of the Eastern Star, as the Grand Matron's special project in Education of the Deaf. The scholarship is awarded annually to a student or students in the Education of the Deaf Program, based on a high level of scholarship and skill.

The Barnes Scholarship Fund:

Established in 1981 through the bequest of Vivian Englar Barnes, Class of 1921, to provide scholarships for students to learn how to teach the deaf.

The Albert Neumann Barringer '45 Scholarship Fund:

Established in 2000 through the bequest of Albert Neumann Barringer, Class of 1945, this scholarship is awarded annually to a student based on financial need.

The Paul L. Bates Memorial

Scholarship Fund: Established in 1999 in memory of Colonel Paul L. Bates, Class of 1931 and an All-American football player at the College, who commanded the first all African-American combat tank battalion in Northern Europe during World War II, a unit recognized by the President of the United States for extreme gallantry in action. This scholarship, established as a tribute to the brave men who fought under his command, provides awards for lineal descendants of members of the 761st Tank Battalion who served with the unit from August 1944 through April 1945. Recipients must possess and maintain a 2.0 GPA and demonstrate financial need. In the event that no lineal descendants are eligible, the scholarship is awarded annually to a student who has a 2.0 GPA or better, demonstrates financial need, and excels in extracurricular activities.

The D. Robert '43 and Edna Haller '46 Beglin Scholarship Fund:

Established in 2001 by D. Robert and Edna Haller Beglin in celebration of their love for and dedication to their alma mater. The scholarship is awarded to a deserving sophomore, junior, or senior majoring in music or economics and demonstrating academic distinction.

The Darryl G. Behrman Memorial Scholarship Fund: Established in 2002 in memory of Darryl G. Behrman by Dennis G. Sisco '68 and Alexine S. Lesko. It is awarded annually to a student engaged in a course of study centered on economics and business administration or on the earth sciences whose academic achievements, extracurricular endeavors, and personal accomplishments reflect unflinching integrity, a strong will, a settled purpose, and an invincible determination to succeed. The scholarship may be awarded to a student during each year of his/her study at the College.

The Wilmer V. and Alice H. Bell Memorial Scholarship Fund: Established in memory of Wilmer V. Bell, Class of 1930, former Alumni Association president, winner of the Alumnus of the Year Award in 1970, and outstanding educator in the Baltimore area.

The Clarence H. and Dorothy Gilligan Bennett Memorial Scholarship Fund: Established in 1984 in memory of Clarence H. Bennett, Class of 1928, past president of the Alumni Association and long-time, devoted trustee of the College. This scholarship is to provide financial aid for outstanding, academically qualified students in the humanities.

The Dennis F. '45 and Margaret Fredrich '45 Blizzard Memorial Scholarship Fund: Established in 2000 by Dennis F. Blizzard, Class of 1945, in loving memory of his wife. This scholarship is awarded annually to a junior or senior majoring in art who has demonstrated financial need.

The Doris Kemp Boone '46 Endowed Scholarship Fund: Established in 2001 by Doris Kemp Boone in recognition of her devotion to the College and her appreciation for higher education. It is awarded annually to a sophomore, junior, or senior majoring in biology or exercise science and physical education.

The Margaret A. Bowers Scholarship Fund: Established in 1980 in memory of Margaret Anne Bowers, Class of 1926, to assist deserving women students.

The Bessie C. Branin Music Scholarship Fund: Established in 1982 through the bequest of Bessie C. Branin, Class of 1924, for scholarship aid to a music major.

The Arthur G. "Otts" Broll Endowed Scholarship Fund: Established in 1992 in honor of Arthur G. Broll, Class of 1929 and trustee emeritus, on the occasion of his induction into the College's Sports Hall of Fame by his sons, Arthur Jr., Charles, and William, to honor their father's lifetime service and loyalty to the College. This scholarship is awarded annually to deserving students who have achieved or shown potential in both academics and in extracurricular activities, and who have demonstrated financial need.

The George E. Brown Family Memorial Scholarship Fund: Established in 1995 by Mary Brown Bryson, Class of 1935, and Brady O. Bryson, Class of 1935, in honor of George E. Brown and his four children, Maud, Edwin, Sheldon, and Mary, all of whom were students at the College.

The Peter H. Büttner Memorial Scholarship Fund: Established in 1999 by the family of Mary and Ernest Moritz to honor the memory of Professor Peter H. Büttner. The scholarship is awarded to a deserving sophomore, junior, or senior who is majoring in a foreign language, with preference given to an international student.

The Franklin L. Byers and Louise C. Byers Memorial Scholarship Fund: Established in 1984 through the bequest of Louise C. Byers, because of the family's long-time interest in the College, to provide scholarships for students demonstrating excellent scholarship.

The Virginia Calloway Scholarship Fund: Established in 2002 through the bequest of Virginia Calloway Hand, Class of 1938.

The William W. Chase Scholarship Fund: Established by the late William W. Chase, M.D., Class of 1923.

The Class of 1932 Scholarship Fund:

Established in 1988 as a memorial to the members of the Class of 1932. It provides scholarships to students who demonstrate a true interest in academic pursuits; participation in community service activities will be considered as a positive factor in favor of an applicant.

The Class of 1939 Extra Mile

Scholarship Fund: Established in 1994 by the Class of 1939 in honor of their 55th reunion.

The Class of 1962 Scholarship Fund:

Established in 1987 on the occasion of their 25th reunion as a memorial to the members of the Class of 1962 to provide scholarships to students who demonstrate a true interest in academic pursuits.

The Class of 1963 Scholarship Fund:

Established in 1988 on the occasion of their 25th reunion as a memorial to the members of the Class of 1963 to provide scholarships to students who demonstrate a true interest in academic pursuits.

The Katharine H. Clower Memorial Scholarship Fund:

Established in 1988 by Dr. Richard A. Clower, Class of 1950, in memory of and in tribute to his beloved wife Kay, M.Ed., Class of 1973.

The Catherine W. Cockburn

Scholarship Fund: Established in 2003 through the bequest of Catherine W. Cockburn, Class of 1931.

The James F. and Hazel Gompf

Coleman Scholarship Fund: Established in 1984 by the children of James F., Class of 1938, and Hazel Gompf Coleman, Class of 1938, in memory of their parents. It is awarded annually to a returning student (sophomore, junior, or senior) from the Eastern Shore with at least a B average.

The Samuel '36 and Elizabeth Rankin '41 Corbin Endowed

Scholarship Fund: Established in 1997. It is awarded annually to a full-time undergraduate student who demonstrates financial need and whose chosen field of study is biology.

The Dahlka Family Scholarship

Fund: Established in 2003 by Edward and Pamela Dahlka. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Laura Panebaker Darby

Scholarship Fund: Established in 1991 through the bequest of Laura Panebaker Darby, Class of 1919. This scholarship is awarded annually to Carroll or Frederick County students.

The Hugh '69 and Kathy Dawkins

Scholarship Fund: Established in 1989 by Hugh '69 and Kathy Dawkins. This fund is to provide scholarships to students who demonstrate a true interest in academic pursuits and involvement in student organization leadership.

The Julie Ann Dawson Memorial

Scholarship Fund: Established in 1990 by Chet and Julia Dawson in memory of their daughter, Julie Ann Dawson, Class of 1973. This scholarship is awarded annually to a student who demonstrates financial need, with preference given to a student majoring in the arts.

The John DeMey '62 Memorial

Scholarship Fund: Established in 2001 by W. Anthony "Tony" '61 and Rhea '61 Wiles in memory of John DeMey '62 and other graduates of the College who gave their lives in service to our country. It is awarded annually with preference given to students involved in extracurricular activities and who contribute to the College community.

The Lillian Frey Dexter, Class of 1934, and Edward B. Dexter Scholarship

Fund: Established in 2000 by Lillian Frey Dexter, Class of 1934, and her husband, Edward B. Dexter. Mrs. Dexter, a dedicated teacher and supervisor, served the College as her class secretary for over 65 years. Mr. Dexter, her husband, also served his community as an educator and administrator. The scholarship is awarded annually to a sophomore, junior, or senior showing academic achievement and majoring in English, a foreign language, or history with preference given to a student planning to teach.

The William and Winifred Dulany

Scholarship Fund: Established in 1997 by William B. Dulany, Class of 1950, and Winifred Spencer Dulany, Class of 1953, this scholarship is awarded based on scholastic achievements and with consideration of applicants who are studying piano and voice.

The Lowell R. Duren Mathematics

Scholarship Fund: Established in 1983 by the mathematics and computer science departments in memory of Lowell R. Duren, a loyal and respected friend and former chairman of the mathematics department, especially remembered for his outstanding teaching. This scholarship is awarded annually to the freshman or sophomore mathematics major who earns the highest score on the Lowell Duren Mathematical Competition.

The Dorothy Elderdice International Student Scholarship Fund:

Established in 1979 by the friends of Dorothy Elderdice, Class of 1911, in recognition of her long devotion to the College and to her loving interest in the many foreign students who attended the College. The scholarship is awarded annually to a worthy student from a foreign country.

The Lloyd M. '33 and Ruth G. '34 Elderdice Memorial Scholarship

Fund: Established in 1991 in loving memory of Ruth G. Elderdice and amended in 1999 by their daughter Betty to include Lloyd M. Elderdice. The scholarship is awarded to assist a worthy student in completing his/her education.

The Ellin Scholars Fund: Established in 1999 these scholarships will be awarded to talented minority students and McDaniel College-Budapest Program students who will enrich the cultural and academic life of the campus.

The Dr. Homer O. and Laura**Breeden Elseroad Scholarship Fund:**

Established in 1999 in loving memory of Laura Breeden Elseroad, Class of 1940, by her husband, Homer O. Elseroad, Class of 1940, in recognition of Laura's lifelong service to her community and alma mater. The scholarship is awarded to a deserving junior or senior majoring in education.

The Joseph Englar Scholarship

Fund: Established through the bequest of Joseph Englar, a trustee of the College from 1897 until his death in 1924.

The Charles "Rip" and Mary**Broughton Engle Scholarship Fund:**

This fund was begun in 1974 as an annuity to assist a worthy student in attending the College. Both Charles and Mary Engle were of the Class of 1930.

The Eloise B. and Lowell S. Ensor

Scholarship Fund: Established in 1972 at the time of Dr. Ensor's retirement as fifth president of the College by faculty, friends, students, and alumni to honor Dr. and Mrs. Lowell S. Ensor for their 25 years of dedicated service. It is awarded to students who most appropriately demonstrate the dedication to the College that Dr. and Mrs. Ensor did during their years on the Hill.

The Dr. James D. Essig Memorial

Scholarship Fund: Established in 1985 in memory of Dr. James D. Essig, history professor at the College at the time of his death, by his family, friends, colleagues, and students as a living memorial to an outstanding scholar and teacher. The scholarship is awarded annually to a history major with at least a B average demonstrating high personal and academic integrity.

The Dr. Page Etchison/Dr. Willis**Morse Memorial Scholarship Fund:**

Established by the Organized Bible Class Association of Washington, D.C., in memory of Dr. Page McKendree Etchison and Dr. Willis B. Morse.

The Jerome H. '56 and Rheda Fader Scholarship Fund: Established in 1998, the scholarship is awarded to a junior or senior economics and/or business administration major who demonstrates academic excellence.

The Charles and Mary Falkenstein Memorial Scholarship Fund: Established in 1989 by Ruth A. Falkenstein as a memorial to her parents.

The Beulah and John Farson Memorial Scholarship Fund: Established in 1992 by Mary Todd Griffiths in memory of her first husband, John Farson, and his mother, Beulah Farson. This scholarship is awarded annually to assist a worthy student who has graduated from the public school system in Worcester County, Maryland. The recipient must be a student in good standing, must demonstrate good citizenship and must participate in extracurricular activities.

The William A. '48 and Esther "Bonnie" Gutbub '49 Finck Scholarship Fund: Established in 1999 in loving memory of William Albert Finck, Class of '48 and CEO and president of Purex Industries, and in honor of Bonnie Finck, Class of '49, teacher, and community activist. The scholarship is awarded from accumulated income from the fund's principle on an annual or biennial basis to a deserving sophomore, junior, or senior who demonstrates academic distinction, who is majoring in either education or the sciences, and who has demonstrated financial need.

The Gaither Lee Fischbach, Jr. Memorial Scholarship Fund: Established by the friends and fellow-students of Gaither Lee Fischbach, Jr., who died during his freshman year at the College. This scholarship assists a student to prepare for the Christian ministry.

The Richard C. Flavin, Jr. Memorial Scholarship Fund: Established in 1981 by the friends and family of Richard C. Flavin, Jr., Class of 1950, an active member of the Board of Governors of the Alumni Association at the time of his passing.

The Benjamin E. Fleagle Memorial Scholarship Fund: Established by Rena F. Kennedy in 1975 in recognition of her brother, an alumnus of the Class of 1904.

The Benjamin E. Fleagle and Rena F. Kennedy Scholarship Fund: Established in 1991 through the bequest of Rena F. Kennedy, Class of 1909.

The Charles '32 and Lois Forlines Scholarship Fund: Established in 1988 as a tribute to Charles and Lois Forlines, two people devoted to the College. In addition to demonstrated need, the recipient must have and maintain at least a 2.5 GPA, and be of exemplary moral character.

The Arthur Pue and Amanda Clark Forsyth Memorial Scholarship Fund: Established by M. J. Grove in memory of the parents of his mother, a member of the Class of 1897.

The Sterling F. "Sheriff" and Virginia Karow Fowble Memorial Scholarship Fund: Established in 1993 to honor the lives of Sterling F. "Sheriff" Fowble, Class of 1936, and Virginia Karow Fowble, Class of 1939. This fund recognizes and celebrates their devotion to young people in Baltimore and their love for the game of baseball. This scholarship is awarded annually to a returning student with preference for an outstanding student who has a demonstrated history of participation in extracurricular activities while at the College.

The Dr. Grace E. Fox Scholarship Fund: Established in 1984 through the bequest of Grace E. Fox. This scholarship, administered by the College, is awarded to high school graduates in the electoral district of Uniontown.

The Sidney M. Friedberg Scholarship Fund: Established in 1983 by Sidney M. Friedberg, chairman of Fair Lanes, Doctor of Humane Letters, 1983. The scholarship is awarded to students demonstrating great potential for success in their chosen fields.

The Eleanor B. Gaither Memorial

Scholarship Fund: Established through the bequest of Mr. and Mrs. James H. Gaither in memory of their daughter, a member of the Class of 1940.

The Arnold W. Garrett Memorial

Scholarship Fund: Established in 1980 by his friends and family in memory of Arnold W. Garrett, Class of 1949.

The Idamae T. Riley Garrott

Scholarship Fund: Established in 2000 by Idamae Garrott Achievement Awards, Inc. to honor the life of Idamae T. Riley Garrott, summa cum laude graduate of the Class of 1936, lifetime advocate for citizen's rights and consummate Montgomery County (Md.) legislator. This scholarship will be made annually to a Maryland resident who is a freshman, sophomore, or junior majoring in political science or history. It was Senator Garrott's wish that preference be given to a student who is interested in working on good land use planning and/or environmental issues at the local and state government levels.

The Madeleine W. Geiman

Scholarship Fund: Established in 1987 through the bequest of Madeleine W. Geiman, Class of 1922, to provide scholarship aid.

The Mae Rowe Geist Endowed

Scholarship Fund: Established in 1992 through the bequest of Mae Rowe Geist, Class of 1923, to provide scholarship aid.

The Hering Leister Giggard

Educational Fund: Established by Gertrude Giggard, in recognition of her brother, to provide scholarships to students with disabilities not otherwise able to obtain a college education.

The Ken '61 and Joanne '62 Gill

Scholarship Fund: Established in 2000 through a gift from Ken and Joanne Gill, this scholarship will be awarded to a student who excels in extracurricular activities.

The L. Carleton Gooden Scholarship

Fund: Established in 2000 through the bequest of L. Carleton Gooden, Class of 1940, the scholarship is awarded annually to student(s) who have graduated from the public school systems of Caroline, Talbot, Queen Anne's, Kent, or Dorchester counties of Maryland.

The William P. Grace Memorial

Scholarship Fund: Established in 1985 by the family of Col. William P. Grace, Class of 1927, to honor a ROTC Junior Cadet not on an Army scholarship. The scholarship is credited to the Cadet's senior year. If in the future, the ROTC Program is unable to honor a ROTC Junior Cadet not on an Army scholarship, then the Board of Trustees may charge the Professor of Military Science to select an appropriate non-scholarship sophomore in the Basic Course.

The Reverend Frank W. Grippin Memorial Scholarship Fund:

Established in 1981 in memory of The Reverend Frank W. Grippin, Class of 1926, by his wife.

The Norman M. and Eleanor H.

Gross Scholarship Fund: Established in 2001 through the bequest of Norman M. Gross. It is awarded to students of high scholastic standing.

The Anna Forsyth Grove Memorial Scholarship Fund:

Established by M. J. Grove in memory of his mother, a member of the Class of 1897.

The Stephen Haje Memorial

Scholarship Fund: Established in 1985 in memory of Stephen Haje, Class of 1974, by his parents as a tribute to their beloved son. The scholarship is awarded annually to students majoring in art.

The William L. Hawkins, Jr. '48 and Louise Sapp "Sunny" Hawkins '49

Scholarship Fund: Established in 2001 in honor of their parents by their children and families. The scholarship is awarded to a deserving female sophomore, junior, or senior who demonstrates academic distinction.

The William Randolph Hearst Endowed Scholarship Fund:

Established in 2001 by the William Randolph Hearst Foundation, one of the nation's largest private foundations. This fund will provide annual scholarships to students of diverse backgrounds.

The Heinbaugh and Clayton Family Scholarship Fund:

Established by Jeffrey A. '76 and Cathryn C. '77 Heinbaugh in 2004 in honor of their family's extensive tradition at the College. Many members of the Heinbaugh and Clayton families, including parents, aunts and uncles, grandparents, and cousins, pursued educations at the College. Jeffrey and Cathryn pay tribute to these individuals through the establishment of this fund. The scholarship is awarded annually to a deserving student who has demonstrated financial need, strong academic merit, and exemplary community service through campus activities.

The Mark Helfrich Scholarship Fund:

Established by the friends and family of Mark J. Helfrich, Class of 1980, who died in 1979 while a student at the College. The scholarship is awarded annually to a student majoring in art.

The James R. Hendon Memorial Scholarship Fund:

Established by the friends and family of James R. Hendon, Class of 1981, who died in 1978 while a student at the College. Because he was involved in music and varsity wrestling, preference will be given to a person involved in one or both of these activities.

The Edwin C. Hermann, Jr. '70 and Susan Burgard Hermann '77 Scholarship Fund:

Established in 2004 by Ed and Sue Hermann in recognition of their college ties that brought them together. Ed and Sue met after graduating from the College seven years apart. They met on a blind date because of their ties to the College and credit the College with helping to unite them. This scholarship is awarded annually to a deserving student majoring in either economics/business administration or English. The scholarship will alternate every four years between the two

majors to allow students to receive the scholarship from their first year and continuing through their senior year.

The Dorothy McDaniel Herr Memorial Scholarship Fund:

Established in memory of Mrs. Herr, an alumna of the Class of 1918 and long-time trustee of the College.

The Jim Hindman Scholarship Fund:

Established in 1989 in honor of W. James Hindman, former football coach, by members of his football teams, family, and friends.

The Hines Scholarship Fund:

Established by George Millard Hines, Class of 1925, in memory of his mother, Class of 1897, and other members of his family who attended the College.

The Ralph G. Hoffman Scholarship Fund:

Established in 1987 upon his retirement as director and chairman of the Carroll County Bank and Trust Company Board of Directors by the officers and directors of the Bank, his family, and friends. The scholarship honors Ralph G. Hoffman, lifelong resident of Westminster, outstanding member of the bar, and emeritus member of the Board of Trustees at the College. It is awarded each year to a Carroll County student majoring in economics or business administration with an outstanding academic record.

The Abbie White Holland Memorial Scholarship Fund:

Established in 1981 by the family of Sarah "Abbie" White Holland, a member of the Class of 1902. The scholarship is awarded annually to a member of the senior class.

The Colonel Webster R. and Doris Mathias Hood Scholarship Fund:

Established in 1998 by Doris M. Hood, family, and friends in honor of Colonel Webster R. Hood and Doris Mathias Hood. Preference will be given to students from Carroll County, with the award given successively to a female, then a male, then a female, etc., and each selected student will receive support throughout his/her college career as long as they continue to demonstrate financial need.

The Samuel and Elsie Hoover

Scholarship Fund: Established in 1994 by Dr. Samuel H. Hoover and Elsie Wright Hoover. This scholarship is awarded annually with preference to students who demonstrate a commitment to higher education, scholastic aptitude in their chosen field of study, and genuine need.

The Gerald W. Hopple Memorial

Scholarship Fund: Established in 1991 by family, friends, and classmates of Gerald W. Hopple, Class of 1971. This scholarship is awarded to a student who best exemplifies Jerry's love for the College and his dedication to work, country, and academic discipline. The recipient must be an upperclassman majoring in political science who maintains a minimum 3.0 GPA.

The Henry P. and Gretchen Stein Hornung Scholarship Fund:

Established in 2001 by Henry P. Hornung in memory of his wife, Gretchen, and in celebration of their mutual interest in elementary education. It is awarded annually to a sophomore, junior, or senior who has elected to complete a minor in education with preference given to a student preparing to become an elementary school teacher.

The David Huddle '52 Memorial Scholarship Fund:

Established in 1989 in memory of David Huddle, Class of 1952, by his wife, Mary, and endowed in 1995. This scholarship is awarded to a returning sophomore, junior, or senior of high integrity, academic distinction, and proven participation in extracurricular activities. Preference will be given to students from Virginia or Maryland demonstrating financial need.

The Paul S. and Carrie E. Hyde Memorial Scholarship Fund:

Established in 1997 through the bequest of Paul S. Hyde, Class of 1937, this scholarship is awarded to a first-year student from the Wicomico County region of Maryland who is selected by the Superintendent of Education of Wicomico County Schools.

The Dr. Alvey Michael Isanogle Memorial Scholarship Fund:

Established in 1952 as a memorial to Dr. Isanogle, who joined the College faculty in 1920 and for most of his career served as dean of the School of Education. It provides scholarships to students who demonstrate a true interest in academic pursuits.

The Philip J. and Doris L. Jenkins

Scholarship Fund: Established by Mr. and Mrs. Jenkins in 1974.

The Virginia Hastings Johns Class of 1927 Scholarship Fund:

Established in 1993 through the bequest of Virginia Hastings Johns, Class of 1927, to assist worthy students with the cost of tuition, room, and board.

The Dorothy Reed Johnson Memorial Scholarship Fund:

Established in 1989 through the bequest of Dorothy Reed Johnson, Class of 1929.

The Florence Johnson Memorial Scholarship Fund:

Established by Mrs. George S. Johnson of the Class of 1921. The income is used annually to provide assistance to a student preparing for full-time Christian service in music.

The Harry C. Jones Scholarship

Fund: Established through the bequest of Professor Harry C. Jones. It is awarded to two juniors or rising seniors, one in the chemistry department and one in the physics department.

The Dr. John Bayley Jones

Scholarship Fund: Established in 1985 by the Frostburg United Methodist Church and his many friends and colleagues in honor of the 50th year of Dr. Jones' ordination. It is awarded annually to a junior or senior majoring in sociology and/or religious studies who, through scholarship, personal integrity, and a desire to make the world a more humane place, most effectively embodies the Christian life and thought of John Bayley Jones, a United Methodist clergy, director of public relations, instructor in sociology at the College from 1944 to 1949, and long-time trustee of the College. Preference will be given to students from Frostburg or the western Maryland area.

The June Beaver Jordan Endowed Scholarship Fund: Established in 1999 by her husband Howard G. Jordan, Class of 1954, the scholarship is awarded annually to a sophomore, junior, or senior majoring in mathematics or English.

The D. M. Keel Scholarship Fund: Established in 1999 by Dorothy M. Keel, Class of 1935, the scholarship is awarded annually to a sophomore, junior, or senior.

The Myra Goodling Keigler Memorial Scholarship Fund: Established in 1996 in memory of Myra Keigler, beloved wife, mother, grandmother, and friend, by William S. Keigler, Chairman of the Board Emeritus, and her family and friends. This scholarship is awarded annually on the basis of financial need with preference given to a female student majoring in the sciences or psychology who wishes to pursue a career in health services.

The Drs. Kerschner, Royer, and Sturdivant Endowed Scholarship Fund: Established in 1988 by the former students, friends, and colleagues of three premier professors at the College who spent their careers educating students in the finest tradition of the liberal arts. This scholarship is awarded each year to a student or students majoring in biology, who has at least a 3.0 GPA, and is a returning student.

The Richard C. and Catherine S. '46 Kiddoo Scholarship Fund: Established in 2000 by Trustee Emerita Catherine S. Kiddoo, Class of 1946, the scholarship is awarded annually to a sophomore, junior, or senior majoring in biology or the sciences.

The Richard W. '34 and Susannah Cockey '33 Kiefer Scholarship Fund: Established in 2000 by Richard W. and Susannah Cockey Kiefer in celebration of their many years of service and devotion to their alma mater and the community at large. The scholarship is awarded annually to a deserving sophomore, junior, or senior majoring in political science or French who demonstrates academic distinction and financial need. Preference may be given to those who wish to pursue a career in law or teaching.

The Doris Adair Howe Kilkuskie Memorial Scholarship Fund: Established in 2003 by Stanley R. Kilkuskie, Class of 1948, to honor the memory of his beloved wife, Doris Adair Howe Kilkuskie. The scholarship is awarded annually based on financial need.

The Emma Bowen Kistler Scholarship Fund: Established in memory of Emma Bowen Kistler, Class of 1897, by her sister.

The Leon F. Lamb Memorial Scholarship Fund: Established by the friends of Mr. Lamb, as a tribute to friendship and to assist a worthy student in completing an education.

The Hilda C. Landers Scholarship Fund: Established in 1999 through the bequest of Hilda C. Landers, this scholarship is awarded based on academic distinction.

The Dr. Henry P. and Page Laughlin Scholarship Fund: Established in 1991, this scholarship is awarded annually to a junior or senior who has demonstrated outstanding scholarship, with noteworthy contributions to his/her class and to the College.

The Jeanine Lave Memorial Scholarship Fund: Established in memory of Miss Lave who was a junior at the College at the time of her death in 1974. The scholarship is awarded annually to a student majoring in art.

The Lee Scholarship Fund: Established through the bequest of Miss Grace Lee.

The Eva L. Lewis Memorial Scholarship Fund: Established through the bequest of Dr. E. Ralph Lewis and awarded to a pre-ministerial student for the junior and senior years. The award is made by the College on the basis of academic ability and qualification for the Christian ministry.

The Dr. Annabel Glockler Liebelt '48 Scholarship Fund: Established in 1988 upon the 40th reunion of Dr. Liebelt, to provide scholarships to students majoring in biology.

The James Lord, Jr. and Ruby K.

Lord Scholarship Fund: Established in 2001 through the bequest of Ruby K. Lord. The scholarship is awarded to a deserving non-traditional student.

The D. Carlyle MacLea '22 Memorial Scholarship Fund:

Established in 1988 by The Board of Beneficence of St. John's I.M.P. Church, family, and friends as a memorial and celebration of the life of D. Carlyle MacLea, Class of 1922 and a member of the College's Board of Trustees, and his total commitment to education and service to others. The scholarship is awarded to deserving students who are involved in on- and/or off-campus organizations, demonstrate moral character, and contribute to the College community.

The Frederick Malkus Scholarship Fund:

Established in 2000 by loving family and friends, the scholarship is awarded annually to a sophomore, junior, or senior majoring in history or political science from one of the following Maryland counties: Caroline, Dorchester, Somerset, Talbot, Wicomico, or Worcester. Preference will be given to a student from Senator Malkus' home county of Dorchester.

The Mann Family Scholarship Fund:

Established in 2003 by Jack and Pamela Mann. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Frank C. Marino Scholarship Fund:

Under the provisions of this contribution, \$250.00 is available annually to give scholarship aid to needy and deserving students.

The Kendrick M. '51 and Elizabeth Muth '54 McCall Scholarship Fund:

Established in 2000 by Elizabeth McCall in loving memory and in celebration of the life of Kendrick McCall who devoted his career to improving public education as a teacher, consultant, and administrator. The scholarship is awarded to a deserving sophomore, junior, or senior who is majoring in education or the sciences and who demonstrates academic distinction.

The Anna Kenney Walls McCool

Scholarship Fund: Established in 1988 on the occasion of her 50th class reunion. This scholarship serves as a tribute to Ann McCool, a devoted teacher and honorary trustee of the College. The recipient must have and maintain at least a 2.5 GPA and be of exemplary moral character. Preference will be given to a student from Sussex County, Delaware, followed by a resident of the Eastern Shore of Maryland.

The William McCormick, Jr. Memorial Scholarship Fund:

Established by family, friends, colleagues, and former students of Dr. William McCormick, Jr., dean of academic affairs from 1973 until his death in 1983. It is awarded annually to a returning student who represents the qualities for which Dean McCormick is remembered: concern and love for college community, caring for others in a humane manner, and high personal and academic integrity.

The McDaniel Budapest Scholarship Fund:

This scholarship is awarded to a deserving McDaniel College Budapest student.

The McDaniel College Community

Scholarship Fund: Established in 1985 to honor family and friends of the College.

The John P. McGlaughlin and Shirley R. McGlaughlin '43 Memorial

Scholarship Fund: Established in 1988 by Pete McGlaughlin, Class of 1970, in memory of his father, Class of 1941. Preference is given to those students who are spirited and whose academic and human potential would benefit from wise and sensitive support and counsel as they seek direction to their lives, and to those who enjoy and participate in extracurricular activities.

The Middendorf Foundation

Scholarship: Established in 2003 by The Middendorf Foundation, Inc. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Gerald F. Minnaugh Scholarship Fund for Future Teachers: Established in 1998 by Richard G. Kief in memory of his uncle, Gerald F. Minnaugh. This scholarship is awarded to students in good academic standing who are preparing to become teachers, with preference for students from the Maryland or Pennsylvania area.

The Veronica Kompanek '40 and Alvan N. '38 Moore Scholarship Fund: Established in 1999, the scholarship is awarded annually to a deserving sophomore, junior, or senior.

The Mund Scholarship Fund: Established in 1969 by Allan W. Mund as a celebration of his life and total commitment to education and service to others. This loyal member of the College community is a distinguished businessman, dedicated church member, devoted family man, and trustee of the College, who gave of his time to serve as acting president of the College in 1970. This scholarship is awarded to a deserving junior or senior, not necessarily based on financial need. The student must have earned at least a 3.0 GPA. Major factors in the selection will be the student's involvement in on- and/or off-campus organizations, moral character, and contribution to the College community.

The Beverly Schott Myers '60 and Jonathan P. Myers '61 Scholarship Fund: Established in 2000 in honor of their reunions by Beverly Schott Myers '60 and Jonathan P. Myers '61. The scholarship is awarded annually to a sophomore, junior, or senior majoring in sociology or biology who demonstrates academic distinction.

The Dorothy "Dot" Myers Endowed Scholarship Fund: Established in 1994 in memory of Dot Myers, long-time secretary for the art and art history, music, and theatre arts departments, by her husband, Charles E. Myers, and by her family and friends. This scholarship, in honor of Dot's many years of service as an employee as well as recognition of her accomplishments as a student, is awarded annually to a student majoring in music, theatre, or art with preference given to a non-traditional student who has demonstrated financial need.

The Sylvia Friedberg Nachlas Memorial Scholarship Fund: Established in 1995, it is awarded annually to a minority, graduate student in the Community-Based Human Service Management Program affiliated with TARGET, Inc.

The Elsie Held Naclerio and Thomas A. Naclerio Scholarship Fund: Established in 1985 by Elsie Held Naclerio, Class of 1928, and Thomas A. Naclerio. The scholarship is awarded annually to a worthy student majoring in the humanities.

The Nelson Family Scholarship Fund: Established in 2002 by Carl and Barbara Alving. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Charlotte W. Newcombe Foundation Endowed Scholarship Fund: Established in 1999 by the Charlotte W. Newcombe Foundation, this scholarship is awarded to students with disabilities majoring in Deaf Education.

The Nichols Scholarship Fund: Established by Mrs. Laura Wilson Nichols as a memorial to her husband, The Rev. James L. Nichols, Class of 1925, and a former pastor of the Westminster Methodist Protestant Church. The fund has been augmented by their children to include a memorial to the sons, James H. Nichols, Class of 1927, and John Wilson Nichols, Class of 1948. The scholarship is used to assist a worthy student to prepare for a full-time career in Christian service.

The R. Y. Nicholson Scholarship Fund: Established by Mrs. Altie B. Nicholson in memory of her husband, The Rev. Dr. Reuben Y. Nicholson, a trustee of the College from 1929 to 1947.

The Nicodemus Scholarship Fund: Established in 1993 through the bequest of John V. Nicodemus, Class of 1903, in memory of his father and mother.

The Northrop Grumman Scholarship

Fund: Established in 2003 by Northrop Grumman Electronic Systems. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Opportunity Scholarship Fund:

Established in 1988 and endowed in 1995 by an anonymous donor. The scholarship is awarded to minority students with academic promise and financial need.

The Sandra Lynne Parise Memorial Scholarship Fund:

Established in 1995 in loving memory of Sandra Lynne "Sandy" Parise by her aunt, Beverley J. Hill, Class of 1960, and supported through periodic gifts. The award is given annually to a non-traditional female student to further her dream of pursuing an education while nurturing a family. Preference is for a student who has demonstrated the qualities for which Sandy is remembered: intellectual curiosity, Christian values, and an unselfish commitment to others.

The Eloise Chipman Payne

Scholarship Fund: Established in 1986 by John R. and Eloise Chipman Payne, Class of 1938. The scholarships are awarded to students for their junior and senior years. The recipients must be academically deserving students who are active in on- or off-campus College-related organizations or activities, be of high moral character, and have contributed the most to the College community.

The Austin E. Penn Endowed

Scholarship Fund: Established in 1995 by Austin E. Penn, trustee emeritus and former Chair of the Board of Baltimore Gas and Electric Company, it is awarded annually to one or more students in their junior or senior years who are majoring in mathematics.

The Duane L. and Clementine Lewis Peterson Memorial Scholarship

Fund: Endowed in 1997 through the bequest of Clementine L. Peterson, long-time trustee of the College, it is awarded annually to a worthy student based on need.

The Michael James Pitts Scholarship

Fund: Established in 2002 by James and Kay Pitts in honor of their son, Michael. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Helen E. Porter Scholarship

Fund: Established in 1983 by the will of Helen E. Porter, Class of 1917. It is awarded annually to students from Wicomico County.

The Wilbur D. Preston, Jr.

Scholarship Fund: Established in 2000 by Trustee Emeritus Wilbur D. "Woody" Preston, Jr. The scholarship is awarded annually to a sophomore, junior, or senior.

The Ralph B. Price Scholarship

Fund: Established in 1987 by Dr. Price's former students to honor him because they have said "his valuable contributions are intricately woven into the fabric of our lives." The recipient will be chosen based on his/her academic performance in department courses as well as overall academic achievement. The recipient must also demonstrate the characteristics for which Dr. Price is most remembered: intellectual curiosity, humane manner, love of the College community, and caring for others.

The Queen Anne's County

Scholarship Fund: Established in 1975 by Julia Thomas Burleigh for residents of Queen Anne's County, Maryland.

The Donald R. Rabush '62

Scholarship Fund: Established in 2003 in honor of Donald R. Rabush, founder of TARGET, Inc. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Lewis C. Radford Memorial

Scholarship Fund: Established in memory of Dr. Lewis C. Radford, Class of 1916, by his friends, family, and classmates.

The Martha Harrison Ramsey

Scholarship Fund: Established in 1983 in memory of Martha Harrison Ramsey, Class of 1934, by her family and friends. It is awarded to a student who plans to teach in the performing arts. Preference will go to students from Baltimore County, Md., and southwest Virginia.

The William C. and Isabel D. Rein

Scholarship Fund: Established in 1998 in memory of William C. Rein, Class of 1931, and in honor of the 90th birthday of Isabel D. Rein, Class of 1931. The scholarship is awarded to a junior or senior who is majoring in English with preference for a student interested in journalism.

The Charles Reisenweber Memorial

Scholarship Fund: Established in 1995 through a bequest and gifts from family and friends, it is awarded annually to a junior or senior art major. Preference is given to students participating in athletics.

The Alleck A. '47 and Harriet S.

Resnick Scholarship Fund: Established in 1999 by Elaine and Alvin Mintzes to honor Alleck A. Resnick's years of dedicated service to his alma mater and in the Baltimore Jewish Community. The scholarship is awarded to a sophomore, junior, or senior majoring in political science or international relations.

The L. Kennard "Dusty" '34 and Mary Frey Rhodes, Jr. Scholarship

Fund: Established in 1999 through the bequest of L. Kennard Rhodes, Class of 1934. The scholarship is awarded to a sophomore, junior, or senior majoring in education.

The Ridgaway-Knott Scholarship

Fund: Established in 1978 by Ethel Grace Ridgaway for a deserving pre-ministerial student in consideration of the wishes of her nephew, Clarence Knott.

The Ruth B. Rosenberg Scholarship

Fund: Established in 1992 in memory of Ruth B. Rosenberg in recognition of her long-time interest in improving the access of qualified students to higher education.

The Lois Rowland Memorial

Scholarship Fund: Established in 2000 through the bequest of Lois Rowland, Class of 1939. The scholarship will be awarded to students majoring in the sciences who possess and maintain a 3.0 GPA.

The Isabel I. Royer Biology

Scholarship Fund: Established in 1990 through the bequest of Dr. Isabel I. Royer to assist and recognize students demonstrating aptitude, interest, and academic achievement in biology.

The Isabel I. Royer Scholarship

Fund: Established in 1990 through the bequest of Dr. Isabel I. Royer. This scholarship is awarded to any student who demonstrates financial need and academic promise.

The Jesse C. and Ruth H. Royer

Scholarship Fund: Established in 1988 through the bequest of Ruth H. Royer as a tribute to Jesse and Ruth Royer. The recipient must have and maintain at least a 3.0 GPA and be of exemplary character.

The Fred '73 and Wanda Rudman

Scholarship Fund: Established in 2001 by Fred Rudman '73 in honor of his wife, Wanda. This scholarship celebrates Wanda's devotion to her family before her own education and her dedication to higher education for the non-traditional student. The scholarship is awarded to a non-traditional female student to enable her to further her education while raising a family.

The Reverend Russell Wells Sapp Memorial Scholarship Fund:

Established in 1979 by the family and friends of Russell Sapp, Class of 1923.

The Agnes B. and Robert D.

Schreck Memorial Scholarship Fund: Established by family and friends in 1969.

The Donna Sellman Alumni Children

Grant Fund: Established in 1986 by Donna DuVall Sellman, Class of 1945, to provide grants to incoming students who are children of alumni of the College. The recipients must meet the following minimum standards to qualify: freshman - 1100 combined SAT score and 3.5 GPA in high school; sophomore transfer - 3.2 GPA in college or the freshman standards; be recognized for outstanding participation in extracurricular activities in high school and a stated intent to participate in student activities in college.

The J. S. Reese Shanklin Scholarship

Fund: Established in 1994 through the bequest of Mildred Shanklin in memory of her father.

The Walter and Judy Shober Family

Scholarship Fund: Established in 1995, this scholarship will benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The John H. Simms Scholarship

Fund: Established in 1986 by John H. Simms, Class of 1929, honorary trustee of the College.

The James Herman and Marvel Jackson Simpson Scholarship Fund:

Established in 1997 by Marvel Jackson Simpson, Class of 1936.

The Richard and Sue Singer

Scholarship Fund: Established in 2001 by D. Sue Singer in memory of her husband, Richard Singer. It is awarded annually to a rising sophomore, junior, or senior student majoring in biology who intends to pursue a career in scientific research.

The Emma Knox Sisco Memorial

Scholarship Fund: Established in 1999 in memory of their daughter, Emma, by Dennis G. Sisco, Class of 1968, and Alexine S. Lesko. Preference is given to students who have overcome economic, social, or physical challenges to achieve academic success while taking an active role in family, school, or community affairs.

The Jessie Dubel Smith '20

Scholarship Fund: Established in 2003 by John E. "Snuffy" Smith, Jr. in memory of his beloved mother, Jessie Hull Dubel Smith, Class of 1920. The scholarship is awarded annually to a sophomore, junior, or senior from Anne Arundel, Charles, Calvert or St. Mary's counties. It is based on academic distinction and financial need.

The Margaret F. Smith Scholarship

Fund: Established in 1999 through the bequest of Margaret F. Smith, Class of 1937.

The James D. Smyth, Jr. Memorial Scholarship Fund:

Established in 1987 by his parents, Charlotte Haile Smyth and J. Donald Smyth, Sr., both of the Class of 1948, as a living memorial to James D. Smyth, Jr., Class of 1971. This scholarship is awarded annually to a student demonstrating outstanding personal character and an above average academic record. The recipient must be a major in psychology or biology with preference to psychology.

The Joseph Carroll '63 and Linda Mahaffey '66 Spear Scholarship

Fund: Established in 2000 to honor the life of Joe Spear, whose career as a journalist exemplified a deep commitment to the principles of freedom of the press. The scholarship was established as a way of perpetuating an interest in and dedication to the protection of the First Amendment freedoms through education. It is awarded annually to a deserving sophomore, junior, or senior majoring in journalism, political science, or communication who demonstrates academic distinction and financial need.

The Eleanor Wheeler '40 and Harry L. Stalcup Scholarship Fund:

Established in 2000 by Eleanor Wheeler Stalcup, the scholarship is awarded annually to a sophomore, junior, or senior majoring in mathematics or chemistry.

The Mary Anne Thomas Stazesky '49 Scholarship Fund:

Established in 1999 in honor of Mary Anne's 50th Reunion. The scholarship is awarded to a female student based on academic distinction.

The George L. and Sara Stern Memorial Scholarship Fund:

Established in 2000 by their nephew, Norman Stern, Class of 1949. The scholarship is awarded annually to a sophomore, junior, or senior majoring in history or English and completing a minor in education.

The Stone Scholarships Fund: The will of Harvey A. Stone provides that the income from the property he bequeathed to the College shall be applied to the education of male students at the College who may be pursuing a course preliminary to entering upon a theological course.

The Florence E. Stoner Scholarship Fund: Awarded annually to students from Frederick County attending the College.

The Bishop James H. Straughn Scholarship Fund: Established in memory of Bishop Straughn, an alumnus of the Class of 1899, active trustee, and president of the Board from 1929 to 1949.

The Student Foundation Scholarship Fund: Established in 1985 by the members of the Student Foundation. The scholarships are awarded to students based on leadership and need.

The George M. Sullivan Scholarship Fund: Established by his wife, Elna R. Sullivan, in honor of her husband, a member of the Class of 1927.

The Surdna Foundation Scholarship Fund: Established in 1974 to support student aid.

The William and Lucretia Tanner Scholarship Fund: Established in 1996 through outright contributions and testamentary provisions of William and Lucretia Tanner, it is awarded annually to a full-time undergraduate student who demonstrates need and whose major or intended field of study is one of the following: biology, business administration, chemistry, English, mathematics, physics, or political science. Preference is given to students from southern Maryland, southern Virginia, and/or northern North Carolina and to students with an agricultural background.

The Margaret Lee Tawes Scholarship Fund: Established in 1987 by Margaret Lee Nelson Tawes, Class of 1932. This scholarship is awarded annually to a student with a major or minor in music with preference to students from the Delmarva Peninsula. The recipient must maintain a B average to have scholarship renewed.

The Dr. Charles Roberts Thomas Scholarship Fund: Established in 1968 by Dr. Thomas, a member of the Class of 1911.

The G. Frank Thomas Scholarship Fund: Established in memory of Mr. Thomas who graduated from the College in 1908 and was a trustee from 1951 to 1965. It is awarded annually to residents of Frederick County.

The Theron Barker Thompson Memorial Scholarship Fund: Established in memory of his father by Ernest Thompson, award-winning playwright, to support scholarships for students from Carroll County pursuing studies in the field of the fine or performing arts. Dr. Thompson was a member of the faculty of the College for 13 years, from 1961 to 1974.

The Metro J. Truly, Jr. Memorial Scholarship Fund: Established in 1983 by the family and friends of Metro J. Truly, Jr., Class of 1979.

The Henrietta Roop Twigg Memorial Scholarship Fund: Established in 1979 by Mr. and Mrs. Eugene Willis, Classes of 1934 and 1935, in memory of Henrietta Roop Twigg, Class of 1913. The scholarship is awarded annually to a student majoring in music.

The William Tyeryar Scholarship Fund: Established in 1993 through the bequest of Dorothy T. Tyeryar in memory of her husband, William H. Tyeryar, Class of 1937. It is awarded to students studying the natural sciences or entomology.

The Maurice S. H. Unger Memorial Scholarship Fund: Established by the will of Miss Eleanor DeForest Boteler of Baltimore as a tribute to a prominent Carroll Countian, Maurice S. H. Unger, who was a Carroll County educator and superintendent for 19 years. The scholarship is awarded to Carroll County residents who demonstrate a strong moral character.

The Varga Budapest Scholarship Fund: Established in 1995 by George Varga, Class of 1961 and trustee of the College, this scholarship is awarded to a deserving McDaniel College Budapest student.

The Michael Victor Scholarship Fund: Established in 2001 by friends and family of Michael and Mindy Sue Victor. The scholarship is awarded annually to a student who demonstrates financial need. Preference will be given to a student who has graduated from the Adams County Delinquency Prevention Programs and/or a junior or senior majoring in biology or biochemistry.

The Sidney H. Waghelstein '39 Memorial Scholarship Fund: Established in 1988 by the family and friends of Sidney H. Waghelstein '39 as a celebration of his life. It is to provide scholarships to students majoring in biology and entering their senior year with at least a 2.5 GPA.

The Douglas A. Wagner Scholarship Fund: Established in 2003 by Mark and Marcia Wagner in honor of their son, Douglas. The scholarship is intended to benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The C. Harry Wahmann Memorial Scholarship Fund: Established in 1984 in memory of C. Harry Wahmann, devoted trustee of the College. It is awarded annually to students with superior academic credentials.

The Leon and Betty Wahrhaftig Scholarship Fund: Established in 1998 in honor of Leon and Betty Wahrhaftig. This scholarship is awarded to a junior or senior majoring in sciences and interested in a career in the health field. Preference will be given to a student from suburban Maryland, the District of Columbia, or northern Virginia.

The Douglas and Carolyn Powell '61 Walkling Scholarship Fund: Established in 1997 by Douglas and Carolyn Powell '61 Walkling, the scholarship will benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Margaret Wappler Memorial Scholarship for Applied Music Fund: Established by the Omicron Eta Chapter of Delta Omicron, this scholarship of \$175.00 is awarded annually to an upperclass music major making a significant contribution to music on the Hill.

The Robert and Margaret Warfield Scholarship Fund: Established in 2002 by Robert E. '62 and Margaret Hoey '63 Warfield. The scholarship is awarded annually to a student majoring in English, economics, or business administration and is based on financial need. Preference will be given to students from Worcester County, Maryland.

The W. Edwin Warfield Memorial Scholarship Fund: Provided by the Lions Club of Silver Spring, Maryland, in memory of W. Edwin Warfield, a member of the club and an alumnus of the College who died in action during World War II.

The George Henry and Georgie Milby '43 Washington Scholarship Fund: Established in 1998 by the Washington family in memory of Georgie Milby and George Henry Washington. This scholarship is awarded to students with demonstrated academic distinction.

The William A. and Gladys B. Weech Endowed Scholarship Fund: Established in 1992 through the bequest of Gladys B. Weech, Class of 1927, to assist needy students in pursuing an education.

The Daniel I. Welliver, M.D. '50

Scholarship Fund: Established in 2000 by members of his family, colleagues and friends, this scholarship is awarded annually to a junior or senior majoring in one of the sciences with preference for a student pursuing a career in medicine or one of the allied health fields such as nursing, physical therapy, sports medicine, or athletic training. The student must maintain a 2.5 cumulative GPA and have demonstrated financial need.

The Joseph S. Whiteford

Scholarship Fund: Established in memory of Joseph Whiteford, Class of 1943.

The Dr. and Mrs. Theodore M. Whitfield Scholarship Fund:

Established in 1957 and revised in 1996 by his beloved wife, Elizabeth Denny Dixon Whitfield, to honor Dr. Whitfield, professor of history emeritus and an active advocate in preserving America's heritage, and in recognition of his 60 years of service to and association with the College. It is awarded to a junior or senior history major demonstrating academic excellence and financial need.

The Roger H. Willard Memorial

Scholarship Fund: Established in 1982 by the family of Roger H. Willard, Class of 1930. The scholarship is awarded annually to a student from Frederick County.

The Dr. Charles H. and Margaret V.

Williams Scholarship Fund: Established in 1987 upon the 50th reunion of Dr. Williams, Class of 1937. Students granted this award might be eligible to receive the award in consecutive years, if they maintain at least a 3.0 GPA.

The 1st Lt. George W. "Geordie" Williams Memorial Scholarship

Fund: Established in 1989 in memory of George W. "Geordie" Williams, Class of 1986, a dedicated Army officer, who died aboard Pan Am Flight 103 in December 1988. In the event the ROTC program were to be dissolved at the College this award may be given to a student majoring in business and economics.

The Clarence M. Willis Scholarship

Fund: Established by Clarence M. Willis in 1987 in memory of Evelyn Johnson Willis; her mother, Katharine Hobbs Johnson, Class of 1910; and in tribute to his beloved wife, Pearl Dotson Willis.

The Anna May Gallion Wilson Memorial Scholarship Fund:

Established in 1991 in loving memory of Anna May Gallion Wilson, Class of 1931, by her husband, Frank K. Wilson. The scholarship is awarded annually to a student who demonstrates financial need.

The W. Wilson Wingate Memorial Scholarship Fund:

Established in 1981 by his sister, Carolyn W. Todd, in honor of his self-sacrificing devotion to his family and his concern for and support of all young athletes.

The Winkelman Family Memorial

Scholarship Fund: Established in 1998 by Nancy L. Winkelman '51, M.Ed. '70, in memory of her parents, Morris C. and Elizabeth J. Winkelman, and her brother, Barry A. Winkelman '55, and other members of the Winkelman family. This scholarship is awarded to a first-year student who has an interest in the humanities. Each awardee, insofar as possible, will continue to receive the scholarship throughout his/her undergraduate career after which time the award will be made on a similar basis to a student of the opposite gender.

The William R. Winslow Scholarship

Fund: The income from this fund provides scholarships based on financial need.

The Mary Wooden Memorial

Scholarship Fund: Established in 1997, this scholarship will benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

The Yingling Memorial Scholarship

Fund: Established in 1995 in loving memory of John Edward Yingling '24 and Ruth Benson Yingling '26 by the family of John E. Yingling, Jr., it is awarded annually to an upperclass student who intends to pursue a career in the teaching profession and is participating or scheduled to participate in a student teaching course. Preference is given to students from Howard County, Maryland.

The B. Irene Young Pre-Medical

Scholarship Fund: Established in 1983 by B. Irene Young, clerk-in-charge of the College post office for many years, for a student seeking a career as a physician.

The Raymond L. and Jessie B. Young Scholarship Fund:

Established by their daughter, B. Irene Young, for the purpose of providing financial aid to a hearing-impaired and blind student. Should there not be a candidate with this dual limitation, the aid may be awarded to a deaf or a blind student.

The Karen Zdravec Scholarship

Fund: Established in 1997, this scholarship will benefit graduate students in the Community-Based Human Services Management Program affiliated with TARGET, Inc.

Other Endowed Funds**The Phyllis Elizabeth Geiser**

Ashcraft Memorial Fund: Established by her husband, Claud W. Ashcraft, Class of 1953, and her sons, C. Cleveland Ashcraft and Paul Geiser Ashcraft, in memory of a loving wife and mother. This fund will perpetually support the College annual fund.

The Baker Chapel Endowment

Fund: Established in 1988 by the Class of 1948 to provide for the upkeep and maintenance of Baker Chapel.

The Francis Eugene Belt Memorial

Fund: Established in 2003 in loving memory of Francis Eugene Belt '42 by his brother E. Worthington Belt '38. This fund is designated for the support and enhancement of the Music Department.

The F. Murray Benson Memorial Fund**The B. Christopher Bothe Memorial Lectureship Fund:**

Established in memory of B. Christopher Bothe, Class of 1972, this endowed fund provides support for an annual day-in-residence for a poet or prose writer under the general supervision of the College's English department.

The L. S. Bowsbey, Jr. Endowment:

Established in 1995, in honor of Dr. L. Stanley Bowsbey, Jr. '52, M.Ed. '59, former chair of the education department and former director of graduate studies program, the L. S. Bowsbey, Jr. Endowment provides support for the College graduate program in administration.

The Burch/Stiller Endowment:

Established in 2001 in honor of Frank Burch and Shale Stiller.

The Robert H. Chambers

Presidential Endowment: Established in 1999, in honor of the seventh president of the College, The Robert H. Chambers Presidential Endowment will be used to advance the educational mission and programs of the College and to take advantage of opportunities to enhance the reputation and future growth of the College.

The Class of 1927 Endowed Library

Fund: Established by the Class of 1927 to provide general endowment income for use by the library.

The Class of 1938 Music Fund:

Made possible by the generosity of the members and friends of the Class of 1938, this fund was established in celebration of the 55th reunion of the Class. It will provide first for "The Class of 1938 Award for Excellence in Music." Additionally, other monies will be used to support the programs and activities of the music department.

The Class of 1993 Endowed Book Fund for the Hoover Library:

Established by the Class of 1993 as their senior class gift to provide general endowment income for the purchase of books for the Hoover Library.

The Dunning Memorial Fund

The Eaton Endowment: Established in 2000 through the generous bequest of Thomas H. Eaton, Class of 1927, and Catharine Welker Eaton, both of whom served the College as members of the Board of Trustees.

The John T. and Birdie S. Ensor Memorial Fund

The Hilary A. Faw Loan Fund:

Established in 1987 by Robert D. Faw, Class of 1941, in memory of his father, to provide loan funds to full-time undergraduate junior and senior students faced with an emergency situation.

The Katherine Frizzell Fund:

Established in 1991, this fund supports the general endowment or other express purposes as assigned by the Board of Trustees.

The Laura Kendall Garland

Endowed Fund for Music: Established in 1993 in memory of Laura Kendall Garland through the generosity of her daughter, Robin N. Garland, Class of 1984, and her son, Douglas A. Garland, to support and enhance the music department.

The Maude Gesner Professor of

Music Endowed Fund: Established in 1984 in honor of Maude Gesner, for her many years of dedicated service as inspiring teacher and head of the music department.

The Samuel A. and Dorothy H.

Graham and Robert R. and Ethel H. Jackson Endowed Fund: Established through the bequest of Dorothy H. Graham, Class of 1930.

The Edwin R. Helwig Science

Endowment: Established in 1990 through the bequest of Edwin R. Helwig, Class of 1922, in support of the sciences.

The Eileen C. Henze Memorial

Fund: Established in 1981 by the will of Eileen C. Henze, Class of 1938, in support of the English department.

The Tony and Sherry Hill Periodical

Publications Fund: Established in 1986, the interest from this fund is used to offset the cost of periodicals.

The Fred Garrigus Holloway

Lectureship Fund: Established in 1986 by anonymous donors to honor Dr. Fred G. Holloway, fourth president of the College. The lecture will be held annually in the fall of each year and will be given by a respectable scholar or critic of literature.

The Frank Hurt Tennis Fund:

Established in 1981 to provide funds for the upkeep and maintenance of the Frank B. Hurt Tennis Courts.

The Information Technology

Endowment: Established in 1999 during The Defining Moment Campaign, this fund is dedicated in support of new equipment, software, networking, and other technological advancements for the College campus. It will be used to enable the College to make significant technological improvements each year and will give increased impetus to the effort by the College's faculty to expand the use of technology in their teaching.

The Dr. and Mrs. Edgar B. Jenkins

Student Loan Fund: Established by Dr. and Mrs. Jenkins, former faculty members, to assist capable students in receiving an education.

The Ralph and Dorothy John

Professorship: Established in 1999 by former football coach W. James Hindman and his wife, Dixie, of Westminster, Md. The first-ever endowed undergraduate professorship in the humanities was created to honor former President Ralph C. John and his wife, Dorothy. Dr. John served as president from 1972 to 1984 during which time the College nearly doubled its enrollment, earned acclaim for its graduate program in deafness, launched the graduate degree program in liberal arts, adopted long range planning, and was approved for a Phi Beta Kappa chapter. The professorship will rotate every five years to faculty in the disciplines representing the humanities.

The Ralph and Annette Johnson

Fund: Established in 2001 in memory of Ralph and Annette Johnson. The President of the College annually determines the use of the fund based on the greatest need(s) of the College.

The Richard C. Johnson Memorial

Fund: Established in 1991 in memory of Richard C. Johnson, Class of 1984, by his wife, family, and friends. The interest from this fund shall be used each year in support of the men's intercollegiate baseball program.

The Drs. Kerschner, Royer, and Sturdivant Growth Endowment:

Established in 1988 by a group of former students of Dr. Jean Kerschner, Dr. Isabel Thompson Isanogle Royer, and Dr. Harwell P. Sturdivant, this fund will be used by the Board of Trustees for scholarships or for faculty support.

The Margaret Reisler Kishbaugh

Memorial Fund: Established in 1965 through the bequest of Margaret Kishbaugh, this fund supports the general endowment or other express purposes as assigned by the Board of Trustees.

The Sharon L. Klompus Music

Student Support Fund: Established in 1995 and supported through periodic contributions, this fund assists music students in experiencing the wide range of music-related opportunities during their years on the Hill.

The Evelyn C. Mackenzie Endowed

Fund in Music: Established in 1992 through the generosity of Mrs. Evelyn C. Mackenzie, Class of 1931. This fund is used by the music department to enhance current offerings by bringing visiting artists to campus.

The Makosky Book Collection Fund:

Established in 1976 by alumni and friends of John D. Makosky, academic dean emeritus. This fund is used each year to purchase books selected by the English department for Hoover Library.

The Thomas F. Marshall Endowed Library Fund:

Established in 1992 by his wife, Elizabeth Johnson Marshall, in honor of Dr. Thomas F. Marshall, professor of English at the College from 1943 to 1955. The earnings from this fund shall be expended at the discretion of the librarian of the College in consultation with the theatre department to maintain, support, and augment the Thomas F. Marshall Theatre Collection.

The Corinthia Caldwell Meyls

Memorial Fund: Established by her bequest, this fund is an endowment designed to provide annual income for the annual fund.

The George and Sally Bridges Meyls

Memorial Fund: This fund is an endowment which generates annual income for the annual fund.

The Oscar Lafayette Morris Library

Memorial Fund: Established through the bequest of Oscar Lafayette Morris.

The Ivah M. Norman Memorial

Fund: Established in 1999 in loving memory of Ivah M. Norman, by William H. M.Ed. '65 and Ellen E. Norman. This fund was created to further excellence in the teaching field and the annual yield will be distributed to the College graduate program for technology needs including equipment, teaching aids, or faculty training.

The Edward Nygren Music

Endowment: Established in 1995 through the bequest of Edward J. Nygren, M.D., Class of 1947, in support of the music department.

The Melvin D. Palmer Faculty

Development Fund: Established in 2001 by Joan Develin Coley, eighth president of the College, in honor of Melvin D. Palmer, professor of comparative literature emeritus and former vice president and dean of academic affairs. The fund will provide grants for academic research, projects designed to enhance the academic curriculum, and other appropriate projects awarded by the provost in consultation with the Faculty Development Committee.

The Col. Harry A. Patterson Memorial Fund

The Virginia Phillips '43 Endowed

Library Fund: Established in 1999 by Virginia Phillips, Class of 1943, the annual yield shall be used to support and enhance the Hoover Library and its collections, staff, services, and technological resources.

The Alleck A. and Harriet S. Resnick Endowed Lecture Fund in International Relations or Multicultural Studies:

Established in 1999 by Elaine and Alvin Mintzes to honor Alleck A. Resnick's years of dedicated service to his alma mater and in the Baltimore Jewish Community.

The Jean and Donald Richards Endowed Fund for Chemistry:

Established in 1991 through the generosity of Jean Andrews Richards, Class of 1945, and her husband, Donald, to support and enhance the chemistry department.

The Jean and Donald Richards

Student Research Fund: Established in 2003 through the generosity of Jean Andrews Richards, Class of 1945, and her husband, Donald, to support student researchers and encourage students to pursue careers in scientific research. The fund will be used to award annual summer research stipends for students pursuing research in chemistry or biochemistry at the College. The fund will also provide support for laboratory supplies and for room and board of the students during summer months. The provost, in consultation with the chair of the department, will annually select the

students. The stipend will be awarded to rising sophomore, junior, or senior science students at McDaniel College.

The Keith and Eleanor Richwine Collections Room Endowment:

Established in 1998 in support of the Special Collections Room in Hoover Library. The fund will be administered by a committee which consists of two English department faculty members and one librarian.

The William and Edith Ridington

Annual Lectureship Fund: Established in 1991 to honor Edith Farr Ridington, senior lecturer emerita, and Dr. William Robbins Ridington, professor of classics emeritus, this annual lectureship will attract a distinguished scholar to the campus each year. There will be no restriction with regard to academic discipline.

The E. McClure Rouzer Memorial

Fund: Established by E. McClure Rouzer, Class of 1907, a long-time benefactor and trustee of the College.

The R. Christine Royer Faculty

Development Fund: Established in 2003 by R. Christine Royer, Class of 1948, in honor of past, present, and future members of the McDaniel College faculty. The fund will provide grants to faculty members for academic research, projects designed to enhance the academic curriculum, travel to and fees for academic conferences, and other appropriate projects. These faculty development grants will be awarded by the Provost in consultation with the Faculty Development Committee.

The Evelyn Pusey Ruark

Endowment: Established in 2001 through the bequest of Evelyn Pusey Ruark, Class of 1928, for its general use.

The Samuel and J. Corinne Schofield Memorial Endowment in Chemistry:

Established in 1989 by an anonymous donor to be used to support and enhance the chemistry department.

The Robert A. and Phyllis M. Scott Endowment: Established in 2001 through the bequest of Robert A. and Phyllis M. Scott, community leaders, patrons of the arts, and long-time benefactors of the College and higher education.

The Frank E. Shipley Memorial Fund

The Richard Singer Student

Research Fund: Established in 2001 by D. Sue Singer in memory of her husband, Richard Singer, in order to support student researchers and encourage students to pursue careers in scientific research.

The Laura F. Stalnaker Scholarship

Loan Fund: Established in memory of Miss Laura F. Stalnaker, Class of 1881. Loans from this fund are available to worthy students on a non-interest bearing basis and are repayable within a ten-year period after graduation.

The Grace T. Stewart Memorial Fund

The TARGET Endowment: Established in 1988 to fund the Laurence J. Adams Chair in Special Education.

The James Thompson Memorial

Fund: Through a gift made by Dr. and Mrs. William J. Thompson in memory of Dr. Thompson's father, The Rev. James Thompson of the Maryland Conference of the former Methodist Protestant Church. The income from this endowment is used for the purchase of books for the departments of psychology and philosophy and religious studies.

The Tillman "Little" Baker Chapel

Endowed Fund: Established in 1999 by Mr. and Mrs. H. Richards Tillman, Sr. and Mr. H. Richards Tillman, Jr., Class of 2000, in memory of Harry H. and Katherine M. Richards '25 Tillman. The fund was created to maintain the interior and exterior integrity of "Little" Baker Chapel.

The Dr. McCay Vernon Fund for Support of Deaf Education:

Established in 1996 by colleagues and friends to honor Dr. McCay Vernon, professor emeritus of deaf education and internationally renowned for his work with deaf people, in recognition of his 21 years of service to the College as well as his devotion to the community. The yield is awarded annually to a student or faculty member who is involved in research in the deaf education program.

The David '80 and Suzanne Wahrhaftig Endowed Fund:

Established in 2003 by David '80 and Suzanne Wahrhaftig. This fund will be used to support programs to advance student learning and experience in economics and business administration. These may include programs to bring visiting lecturers to campus, development and implementation of new courses, and educational and experiential opportunities outside of the classroom. The chair of the Economics and Business Administration department will annually identify the programs to be supported through the fund.

The Wenner-Wingate Memorial Lecture on the History and Literature of Sport Fund:

Established in 1989 by Dr. Evelyn Wingate Wenner, as a proper and fitting memorial to two very special members of the College family: W. Wilson Wingate, Class of 1918, member of the College's Sports Hall of Fame and noted sports writer, and Charles Malcolm Wenner, Jr., a friend of the College and devoted husband to Evelyn Wingate Wenner. This annual lecture will focus on the history of sports in all of its dimensions: literary, historical, and philosophical.

The William J., Jr. and Laura Westervelt Fund for Student Academic Support Services:

Established in 1998 by William J., Jr. '71, and Laura Westervelt. This fund will provide support, advance the technological resources, and enhance the delivery of services through the Student Academic Support Services.

The Joseph S. Whiteford Fund: This fund has furnished and endowed a suite of rooms in Albert Norman Ward Hall.

The Louise Widdup Music

Endowment: Established in 2000 by Louise Scott Widdup '48 and John B. Widdup. The fund will support the music program at the College with emphasis on the choral music program.

The Eugene "Stoney" Willis

Memorial Fund: Established in 1994 in memory of Eugene "Stoney" Willis, Class of 1934, by family and friends.

The Pauline L. and John F. Wooden,

Jr. Endowment: Established in 2004 through the bequest of Pauline L. and John F. Wooden, Jr., Class of 1927.

The Mr. and Mrs. William R. Woodfield, Sr. Fund

The Ira G. Zepp Distinguished

Teaching Award Fund: Established in 1995 by Charles E. Moore, Jr., Class of 1971, and Carol Hoerichs Moore, Class of 1970, it is awarded annually to an outstanding member of the faculty at the College. It is awarded in alternate years with the Ira G. Zepp Teaching Enhancement Grant.

The Ira G. Zepp Teaching

Enhancement Grant Fund: Established in 1995 by Charles E. Moore, Jr., Class of 1971, and Carol Hoerichs Moore, Class of 1970, it is designed to encourage a significant project designed to enhance teaching and will favor faculty who are in their first decade of service at the College. It is awarded in alternate years with the Ira G. Zepp Distinguished Teaching Award.

Endowed Awards/Prizes

The John A. Alexander Medal:

Endowed by the Class of 1917 in memory of John A. Alexander, Class of 1917, and awarded to the member of the graduating class with the best record in athletics.

The Jean Alpaugh Award for Interdisciplinary Study:

Awarded to the student with an appreciation for cross-cultural experiences whose proposal for off-campus study will most benefit their academic program and who most embodies the enthusiasm for learning, the breadth of scholarship, and the interdisciplinary interests of Jean Alpaugh, Class of 1990, who while graduating with honors in English, excelled also in anthropology, photography, art, history, and music.

The Aristotle Award for Excellence in Communication:

Established in 1999 by Richard W. Dillman to honor the College faculty members and students whose vision and persistence led to the establishment of the Department of Communication. It is awarded periodically to a rising junior or senior who exhibits an outstanding degree of intellectual sophistication and academic accomplishment in the study of communication history and theory.

The Award for Excellence in

Chemistry or Biochemistry: Established in 1998 by Dr. Richard H. Smith Jr., his family, friends, and former students. This award will be made to a graduating senior chemistry or biochemistry major who demonstrates academic distinction and enthusiasm for liberal learning as well as excellence in scientific research.

The Joseph R. Bailer Award: Endowed in 1992 by Margaret Cassidy Sullivan, Class of 1955, in memory of her husband, Joseph R. Bailer, former head of the education department. This award is made annually to an outstanding graduate of the master's degree program.

The Bates Prize: Established in memory of The Rev. Laurence Webster Bates, D.D. It is awarded to the member of the graduating class who has made the best record during the undergraduate course as a college man.

The Michael and Polly Beaver Award for Excellence in Education:

Established in 1985 by the family, colleagues, students, and friends of Michael and Polly (Grayson) Beaver, Class of 1979, as a lasting memorial of their lives and their impact on education. The recipient, selected by the education department, is a graduating senior completing the minor in elementary or secondary education; someone who has had a distinguished college career as reflected in his/her scholarship and contributions to life both on- and off-campus. The award is presented at Honors Convocation.

The Margaret Fredrich Blizzard

Memorial Art Competition: Established in 2000 by Dennis F. Blizzard, Class of 1945, in memory of his wife, Margaret Fredrich Blizzard, Class of 1945. This fund will provide an annual prize to a junior or senior majoring in art.

The Elizabeth Lintz Burkhardt

Memorial Service Award: Established in 1993 in loving memory of Libby Burkhardt, Class of 1938, by a devoted family to recognize an outstanding senior who has demonstrated exceptional and persistent giving of time and service to others within the College and to the community at large.

The H. Samuel Case '63, M.Ed. '66 and Susan Snodgrass Case '65, M.Ed. '84 Award for Excellence in Scholarly Research:

Established in 2000 by several of their classmates to honor Dr. Sam Case and Susan Snodgrass Case. This award is presented to the sophomore or junior who is involved in scholarly research, has achieved academic distinction, and follows the examples that Dr. and Mrs. Case have exhibited for their diligent efforts to expand one's understanding of man's place in the universe.

The Richard A. Clower Award for Excellence in Exercise Science and Physical Education:

Established in 1999 to honor Dr. Richard A. Clower who served the College for over 40 years as head of the exercise science and physical education department and also as director of athletics. This award is presented annually to the senior exer-

cise science and physical education major who has achieved the best academic record and has exhibited the traits of scholarship, leadership, compassion, and service for which Dr. Clower is known.

The Joan Develin Coley Award for Excellence in Education:

Created in 2001 by D. Robert '43 and Edna Haller '46 Beglin in honor of the presidency of Dr. Joan Develin Coley, the eighth president of the College. It is awarded annually to a graduate student in literacy education who, in the opinion of the reading education faculty, has achieved the best record in the study of literacy theory and practice.

The David Brian Cross Memorial Award for Achievement in Mathematics:

The award, established in 1983, is based on performance in the William Lowell Putnam Mathematical Competition. It is given in memory of Davey Cross, Class of 1981, whose academic achievements serve as a model of excellence.

The Distinguished Teaching Award:

Established by Sigma Sigma Tau Sorority, this award is given annually to an outstanding member of the College faculty.

The James P. Earp Sociology Award:

Established in 1985 in memory of Dr. James P. Earp, former chairman and professor of sociology emeritus. The award is given annually to a junior who has demonstrated the qualities for which Dr. Earp is remembered: a high level of scholarship in the study of sociology, as well as qualities of character and leadership which have been an inspiration to the campus community.

The Eloise B. and Lowell S. Ensor Award for Graduate or Professional Study:

Presented annually to that member of the graduating class whose excellence while at the College, based on scholarship, character, and contributions to the life of the College, best predicts success in attaining a graduate or professional degree. This award was established by family and friends to honor Dr. and Mrs. Ensor for their many years of service and dedication to the College.

The Lynn F. Gruber Medal: Endowed by the Black and White Club (now Phi Delta Theta fraternity) as a memorial to Lynn F. Gruber, Class of 1926. It is awarded for proficiency in extracurricular activities.

The Charles W. Havens Award:

Established in 1981 in honor of Charles W. Havens, Class of 1930, by the 1951 undefeated football team. It is presented to a graduating senior who has participated in intercollegiate athletics and has shown by word and deed the attributes of charity, altruism, benevolence, and a humane and compassionate concern for his fellow man.

The Dr. Reuben Holthaus Award in Philosophy:

Established in 1991 to recognize an outstanding senior majoring in philosophy. The student must have maintained at least an overall 3.0 GPA throughout their undergraduate academic career.

The Ralph Candler and Dorothy Prince John Award for Academic Excellence and Service to the College Community:

Established in 1995 by a friend and former colleague and his wife in honor of the sixth president of the College and his wife, this award is made annually to an underclass student demonstrating academic excellence and service to the College community.

The Dr. Henry P. and Page Laughlin Special Awards:

Established in 1991 to recognize outstanding individuals in the five award categories—faculty, student body, administration, Board of Trustees, general public—with awardees selected annually by the president of the College.

The Mary Ward Lewis Prize: Founded in 1920 by the Browning Literary Society in honor of the wife of the second president of the College. It is awarded to the woman of the graduating class who has made the best record during her undergraduate course.

The Makosky Award for Excellence in English:

Established in 1981 by the members of the English department to honor John D. Makosky, dean of faculty emeritus. This award is given each year to an outstanding graduating senior.

The Frank and Margaret Malone Award for Excellence in a Foreign Language:

Established in 1987 by Col. W. Frank Malone, Class of 1938, in memory of his wife, Margaret C. Malone. The award is made each year to that senior who has demonstrated the highest level of excellence in a foreign language.

The McLuhan Award for Excellence in Communication:

Established in 2000 by Richard W. Dillman in honor of Marshall McLuhan, the inventor of modern mass communication theory. This award is presented annually to the graduating senior communication major who has achieved the best record in the study of communication history and theory.

The Malcolm L. Meltzer Psychology Award:

Established in 1987 by the Meltzer family in memory of and in tribute to Dr. Malcolm L. Meltzer, Class of 1951. The award shall be made each year to the graduating senior who has majored in psychology, has the highest overall GPA, and has been accepted by, and is planning to attend, an accredited graduate school in psychology.

The Charles J. Miller Award for Excellence in Mathematics:

Established in 1995 by Charles J. Miller, Class of 1967, this award, which is designated for the purchase of books and supplies, is made annually to a rising senior who demonstrates academic distinction in mathematics, with preference being given to students preparing for a career in teaching.

The James B. Moore Memorial Award:

To that member of the sophomore class who during his freshman year showed superior qualities of character and leadership in all phases of campus life and activity including ROTC. The award was established by the family, classmates, and friends of Lt. Col. James B. Moore, Class of 1953, who in 1967 gave his life for his country in Vietnam and who, during his student days and as an officer in the United States Army, demonstrated in an unusual fashion these same qualities of character and leadership.

The Felix Woodbridge Morley

Memorial Award: To that member of the freshman class who has most happily justified admission to the College community. The award was established in 1952 by Mr. and Mrs. Felix Morley in memory of their son, who was a freshman at the College during the academic year 1951–1952.

The Philip and Azalea Myers Award for Creativity in English:

Established in 1979 by Philip Myers in memory of his wife, Azalea (Sally) Myers, Class of 1914. It is awarded to an outstanding senior in the English department.

The John D. Nawrocki Memorial

Award: Established in 1979 by his teammates, fraternity brothers, and friends in honor of John D. Nawrocki, Class of 1977. It is awarded annually to that male member of the senior or junior class who has participated in soccer and lacrosse and who emulates the traits of quiet leadership through example, concern for teammates and friends, and willingness to give fully of himself to the joy and benefit of others.

The Outstanding Sophomore Art

Award: Established in 1982 by Wasyl Palijczuk and patrons of the arts from the College, it is awarded annually to an outstanding sophomore art major for the purchase of art supplies.

The Wasyl Palijczuk Art Award:

Established in 1995 it is awarded annually to an outstanding art major upon completion of the sophomore year. The awardee is selected by the art department, and the award is administered by the Office of the Provost and Dean of the Faculty.

The Phi Delta Gamma Award: The College's Psi Chapter of Phi Delta Gamma, a national fraternal organization for graduate students, has established an endowed fund to make an annual award to a member of the graduating class to encourage graduate study.

The Jane M. Prichard Memorial

Award: Established in 1988 in memory of Jane M. Prichard, Class of 1980, by her family and friends.

The Millard Milburn Rice Journalistic

Prize: Established in 1993 through a charitable gift annuity by Millard M. Rice, Class of 1921, to encourage the highest quality of non-fiction writing. It is awarded annually to a junior or senior with preference given to students with financial need who are interested in careers as writers, or to students interested in political science, economics, or history.

The Western Maryland Norman E.

Sartorius Gift and Citation: Established in 1982 by the will of Dr. Norman E. Sartorius, Class of 1900. To be awarded every other year to a student who has contributed the most toward the moral and spiritual uplift of the College student body.

The Gordon B. Shelton '68 Award for Excellence in the Life Sciences:

Established in 1996 by his wife, Barbara, and children, Dianne, Wade, and Drew, in honor of Gordon's service with distinction to his alma mater, this award is made annually to an underclass student who demonstrates academic distinction in the life sciences and in service to the College community.

The M. Louise Shipley Art Award of Excellence:

Initiated in 1973 by Wasyl Palijczuk, professor of art, in recognition of M. Louise Shipley's years of teaching in the department and her leadership as chairman for many years. The award is given to the outstanding graduating senior art major.

The Esther Smith Award: This award was established in 1971 by Mary and Ira Zepp. Given annually to a graduating senior who during four years at the College has displayed a high degree of creativity in the arts (drama, music, or art) and who also is respected by both faculty and students for their contribution to the human welfare of the College. This combination of qualities was uniquely characteristic of Esther Smith and endeared her to the entire College community during her 44 years as a member of the dramatic art department.

The SOS/Hinge Griswold-Zepp

Award: Established in 1990 by members of SOS/Hinge celebrating their 20th reunion. This award is to provide a stipend to an undergraduate student who wishes to pursue an SOS/Hinge-type project, which exemplifies volunteerism, during January Term or during the summer months.

The Hugh Barnette Speir, Jr. Prize:

Given to the student showing greatest excellence in European History. It was established by the parents of Hugh Barnette Speir, Jr., Class of 1945, who was killed in World War II while serving with the armed forces in Germany.

The Dr. Clyde A. Spicer Award:

Originally established by Kappa Mu Epsilon in 1969, it was endowed by the family, colleagues, former students, and friends of Dr. Spicer as a living memorial of his 40 years of dedicated service to the College and, most specifically, to the mathematics program. This award is given annually to the outstanding graduating senior in mathematics.

The James Stephens Memorial

Award: Established in honor of James C. Stephens, Class of 1964, to provide a trophy to the outstanding football player as voted by his teammates.

The H. P. Sturdivant Biology Award:

Established in 1973 at the retirement of Dr. Sturdivant as chairman of the biology department. Awarded to the senior biology major who displays the following qualities: academic excellence, dedication to the liberal arts philosophy, and unselfish service.

The Anna J. Treff Award for Excellence in Pre-Medical or Biological Studies:

Established in 1995 by her son and family as a lasting memorial to Anna J. Treff, it is awarded annually to an underclass student who demonstrates academic distinction in pre-medical or biological studies.

The United States History Award:

Established through the bequest of Mr. H. Peyton Gorsuch for students excelling in United States history.

The Michael L. Waghelstein

Memorial Award: To that member of the graduating class who demonstrated to the greatest extent the following attributes: military proficiency and leadership potential; athletic ability; sincerity; zest for living; and loyalty to country, college, and friends. The award was established in 1970 by the family, classmates, and friends of Captain Michael L. Waghelstein, Class of 1967, who, during his student days and as a regular Army officer, demonstrated and was recognized for these characteristics.

The Robert Joseph Weber Award for Excellence in Political Science and International Studies:

Established in 1997 by Robert J. Weber, professor of political science and international studies from 1969 to 1998, department chair from 1982 to 1998. This award will be made to a graduating senior who demonstrates academic distinction in the field of political science and/or international studies and who is involved in on- and/or off-campus activities, and who contributes to the College community.

The Mr. and Mrs. Harold F. Wentz Most Promising Art Freshman Prize:

Endowed by Harold F. Wentz, to be awarded to the freshman showing the greatest promise as an artist.

The Kathryn E. Wentz Art Awards:

Established in 1984 by Harold F. Wentz in honor of his wife for all the understanding and encouragement she has provided to his art career. Cash awards and ribbons are given at the Kathryn E. Wentz Art Show held each spring for the students of the College and the May Day Art Show. These two shows are arranged and juried under the direction of the art department.

The Steve Robert Wilson Memorial

Award: Established in 1986 by the alumni fraternity brothers, family, and friends as a living tribute to Steve R. Wilson, Class of 1975, a dedicated member of the track and field team during his four years at the College. The award is made each year at the Honors and Investiture Convocation to the senior man and senior woman with the most outstanding record in track and field.

The Barry A. Winkelman Memorial

Award: Granted to a student beginning his/her junior year who has been accepted for advanced ROTC, has evidenced academic and athletic ability, and exhibits certain characteristics reminiscent of Captain Winkelman, Class of 1955, an Army pilot at the time of his death.

Annual Scholarships

The Baltimore Alumni Chapter

Scholarship: This scholarship is awarded annually to an entering freshman from Baltimore.

Barnes and Noble Annual Scholarship

The Roscoe G. Bartlett Scholarship:

Established in 1993 by Congressman Roscoe G. Bartlett, this scholarship is awarded annually to a student who is a resident of the Sixth Congressional District of Maryland. The recipient will be chosen based upon academic achievement, extracurricular activities and financial need and additional specific criteria.

The William E. Beatty Scholarship:

Established in commemoration of the 50th reunion of the Class of 1940, this scholarship is awarded annually to a student demonstrating financial need.

The Board of Beneficence of St. John's I.M.P. Church Scholarship:

This scholarship is awarded to students from the Baltimore area with financial need.

The Frederick W. Callahan Memorial

Scholarship: Established in 1991 by Judith Callahan Klitzberg, Class of 1963, and Richard Klitzberg, Class of 1963, this scholarship is awarded annually to an upperclass female student with demonstrated financial need who is majoring in biology and who aspires to a career in medicine. First preference will be given to a senior.

The Coca-Cola Scholarship Fund

The John Crooms Annual

Scholarship Fund: Established in 1998 by John W. Crooms, Class of 1973. The scholarship is to be awarded annually to a minority student from the inner city of Baltimore who demonstrates financial need.

The Farmers and Mechanics

National Bank Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The Robert M. Gagnon '71 Annual

Scholarship Fund: Established in 2000 by Robert M. Gagnon, the scholarship is awarded annually to a sophomore, junior, or senior who is majoring in mathematics, demonstrates academic distinction, and financial need.

The Graduate Student Scholarship

The Betty Jean Hallmark

Scholarship: Established in 2000 by Betty Jean Hallmark, Class of 1950, this scholarship is awarded to a student majoring in biology, with a 3.0 GPA or better. Preference will be given to a student interested in the environmental sciences.

The Paul and Annetta Himmelfarb Foundation, Inc. Scholarship:

This scholarship is awarded through the Independent College Fund of Maryland.

James M. Johnston Trust for Charitable and Educational Purposes Scholarship:

A tradition since 1981, this scholarship is awarded to graduate or undergraduate students preparing for a career in educating the deaf.

The Richard and Judith Callahan Klitzberg Annual Scholarships:

Established in 1992 by Judith Callahan Klitzberg, Class of 1963, and Richard Klitzberg, Class of 1963. Awards from this fund will be made to a prospective female freshman student and a prospective male freshman student with demonstrated financial need who are accepted for admission to the College.

The Samuel and Lillian Klitzberg Memorial Scholarship: Established in 1991 by Judith Callahan Klitzberg, Class of 1963, and Richard Klitzberg, Class of 1963, this scholarship is awarded annually to an upperclass male student with first preference given to a senior, who has achieved a recognized level of distinction both in academics and in extracurricular activities, and who has demonstrated financial need.

The LaVerna Hahn Charitable Trust Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The Leadership Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The Loats Foundation Scholarship: Awarded annually, this scholarship provides support for a student from Frederick County, Maryland. Preference is given to those students who are orphans or from broken homes, those demonstrating financial need, those with outstanding academic records, and those who intend to pursue a career in public service in fields such as teaching, nursing, or social work.

The MacPherson Annual Scholarship: Formerly the Cambridge Rubber Company Scholarship; first given in 1954, this scholarship is awarded annually to a local student, preferably from Taneytown.

The T. Rowe Price Associates Foundation, Inc. Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The Provident Bank of Maryland Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The Deborah Dale Seidel '84 and Ethan Seidel Scholarship: Established in 2000 by John and Irene Dale in honor of their daughter and son-in-law, Deborah Dale Seidel '84 and Ethan Seidel, the scholarship is awarded annually to a sophomore, junior, or senior majoring in economics or business administration and is based on financial need.

The Sinclair Broadcasting Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The United Parcel Service Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

The Verizon – Maryland Scholarship: This scholarship is awarded through the Independent College Fund of Maryland.

Academic Calendar

Summer Term 2004

Summer Session 1	Tuesday, May 25 - Friday, June 18
Summer Session 2	Monday, June 21 - Friday, July 16
No classes	Monday, July 5
Summer Session 3	Monday, June 21 - Friday, July 30

Fall Semester 2004

Opening Faculty Meeting	Wednesday, August 25
Opening Reception	Wednesday, August 25
Introduction Convocation	Thursday, August 26
Orientation	Thursday, August 26 - Sunday, August 29
Daily class schedule begins, 8 a.m.	Monday, August 30
Graduate classes begin, 4:50 p.m.	Monday, August 30
Labor Day - no classes	Monday, September 6
Last day to add a class, 4:30 p.m.	Wednesday, September 8
Last date for course drops & Credit/Fail, 4:30 p.m.	Monday, September 20
January Term registration	Monday, September 27 - Friday, October 1
Homecoming	Saturday, October 9
No classes	Monday & Tuesday, October 18 & 19
<i>Mid semester grades are due in the</i>	
Registrar's Office, 12 Noon	Wednesday, October 20
Last date for withdrawal from courses with "W" grade, 4:30 p.m.	Monday, November 1
Families Weekend	Saturday, November 6
Spring registration	Monday, November 15 - Friday, November 19
Thanksgiving recess begins, 7 p.m.	Tuesday, November 23
Graduate recess begins, 10 p.m.	Tuesday, November 23
Classes resume, 8 a.m.	Monday, November 29
First semester classes end	Friday, December 10
Reading Days	Saturday & Sunday, December 11 & 12
Examinations begin	Monday, December 13
Graduate semester ends	Monday, December 13
<i>Graduate final grades due in Registrar's</i>	
Office, 10 a.m.	Wednesday, December 15
First semester ends	Friday, December 17
<i>Undergraduate final grades due in Registrar's</i>	
Office, 10 a.m.	Tuesday, December 21

January Term 2005

January Term begins, 10 a.m. Monday, January 3
Last day for course changes, 4:30 p.m. Tuesday, January 4
Last date for withdrawal from course
 with "W" grade, 4:30 p.m.. Wednesday, January 5
College Holiday--no classes - Martin Luther
 King, Jr., day. observed Monday, January 17
January Term Ends Friday, January 21
January Term final grades due in Registrar's
 Office, 10 a.m.. Friday, January 28

Spring Semester 2005

Second semester classes begin, 8 a.m. Monday, January 24
Graduate classes begin, 4:50 p.m.. Monday, January 24
Last day to add a class, 4:30 p.m.. Tuesday, February 1
Last date for course drops and
 Credit/Fail, 4:30 p.m. Monday, February 14
Spring recess begins, 7 p.m. Friday, March 11
Mid semester grades are due in the
 Registrar's Office, 12 Noon Tuesday, March 15
Classes resume, 8 a.m. Monday, March 21
Last date for withdrawal from course
 with "W" grade, 4:30 p.m.. Friday, March 25
Fall registration Monday, April 4 - Friday, April 8
Spring Undergraduate Awards Sunday, April 17
Honors & Investiture Convocation Sunday, May 1
Graduate classes end Thursday, May 5
Second semester classes end Friday, May 6
Reading days. Saturday & Sunday May 7 & 8
Examinations begin. Monday, May 9
Second semester ends. Friday, May 13
Graduate final grades due in the
 Registrar's Office, 10 a.m. Tuesday, May 10
Undergraduate final grades due in the
 Registrar's Office, 10 a.m. Tuesday, May 17
Senior Week Sunday - Saturday, May 15 - 21
Baccalaureate Service Friday, May 20
Commencement Saturday, May 21

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

Barbara Horneff, Associate Dean of the First-Year Program

Henry Reiff, Associate Dean of Academic Affairs

ADMISSIONS:

Martha O'Connell, Dean

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:

Karen Arnie, 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:

Cameron Smith, Director

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, Assistant Dean of Student Affairs

JANUARY TERM:

Office of the Registrar

MOTOR VEHICLE REGISTRATION:

Campus Safety Office

NOTARY SERVICES:

Theresa McAndrew, Finance Office

PARENTS BOARD:

Philip Sayre, Dean of Student Affairs

PARKING:

Campus Safety Office

POST OFFICE:

Esther Griffith, Support Services Assistant

PRESIDENT:

Joan Develin Coley

STUDENT RECORDS AND TRANSCRIPTS:

Office of the Registrar

STUDENT SERVICES:

Philip Sayre, 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.

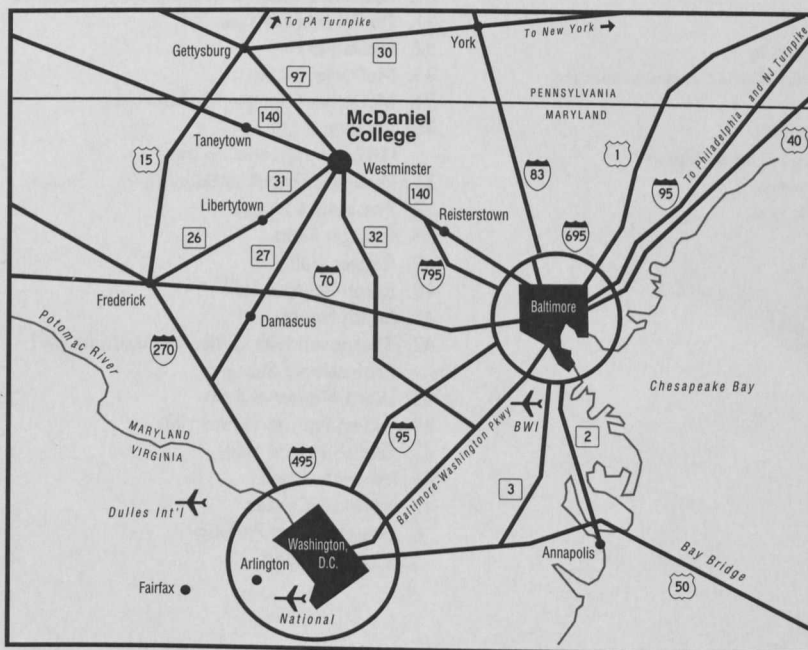
Directions to Campus

FROM BALTIMORE: Take I-695 (Baltimore Beltway) to Exit 19 onto I-795 (Northwest Expressway), continue to its completion. Follow signs to Westminster via Route 140 West around Westminster, and turn left, exiting onto Route 31. Drive 1/4 mile (McDaniel

College golf course is on your left) and turn left at the second light—onto Uniontown Road. Drive 3/10 of a mile and turn left 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 East/Damascus (Exit 16A). Take Route 27 North to Westminster. Turn left at the intersection of Routes 27 and 32, and drive 1/2 mile. Go straight through the intersection and turn right into Admissions Visitor Parking.

FROM THE NORTH: From U.S. 15 at Gettysburg, exit onto Route 97 South. Follow 97 to Route 140 North, and follow it around Westminster. Exit left onto Route 31 and go 1/4 mile (McDaniel College golf course is on your left) and turn left at the second light - onto Uniontown Road. Drive 3/10 of a mile and turn left into Admissions Visitor Parking.



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>

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The College reserves the freedom to change any programs, policies, requirements, or regulations published in this catalog.

Published May 2004 by

McDaniel College Office of Communications and Marketing

Editor: Peggy Fosdick

Academic Section Editor: Jan Kiphart

Design: MSK Partners

Printing: Schmitz Press

Campus Map

1. Alumni Hall (Theatre), renamed Western Maryland College Alumni Hall, 5/3/03
2. Art Studio
3. Bair Stadium
4. Baker Chapel
5. Baker Memorial Chapel
6. Buell House (Golf Clubhouse)
7. Carroll Hall (Office of Admissions)
8. Central Receiving Dept.
(201 Pennsylvania Avenue)
9. Conference Services/Physical Plant Dept.
(192 Pennsylvania Avenue)
10. Dean's Cottage
11. Decker Auditorium (Lewis Hall of Science)
12. Decker College Center
13. Decker Roof Terrace
14. Doyle House
15. Elderdice Hall
16. Englar Dining Hall
17. Forlines House
18. Garden Apartments
19. Gazebo (Carpe Diem)
20. Geiman House
21. Gill Center
22. Gill Gym
23. Harlow Pool
24. Harrison House
25. Harvey Stone Park
26. Hill Hall
27. Hoover Library
28. Frank B. Hurt Tennis Courts
29. Levine Hall
30. Lewis Recitation and Lewis Hall of Science
31. Daniel MacLea Hall
32. McDaniel Hall
33. McDaniel House
34. McDaniel Lounge (McDaniel Hall)
35. Personnel Office
(149 Pennsylvania Avenue)
36. Peterson Fine Arts Building (Rice Gallery)
37. President's House
38. Preston Field
39. Rouzer Hall
40. Eaton Science Hall
41. Smith House
42. Thompson Hall (Office of Graduate and Professional Studies)
43. Ward Memorial Arch
44. Albert Norman Ward Hall
45. Blanche Ward Hall
46. Whiteford Hall
47. Winslow Center
- ♿ Handicapped Parking
- Ⓥ Visitor Parking





MCDANIEL
COLLEGE

Founded in 1867 as Western Maryland College

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Westminster, MD
21157-4390

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