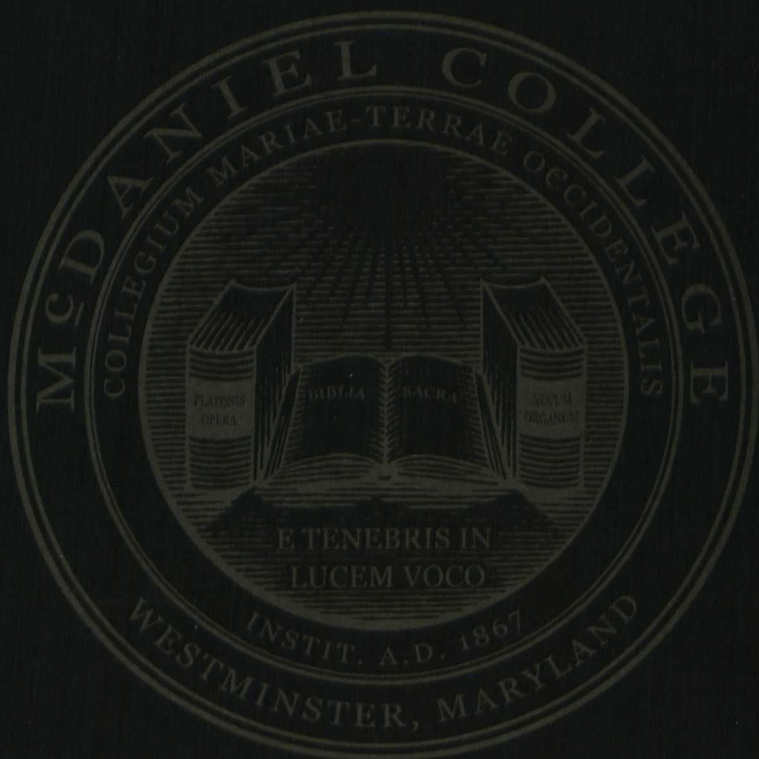


# MCDANIEL COLLEGE

2005-2006 Undergraduate Catalog



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



# The First Principles

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Cover photo: Rita Beyer

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 Profile

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

The tradition of liberal arts studies rests comfortably here. Exemplary teaching is its central mission, both at the undergraduate and graduate levels. The faculty is engaged in research and professional writing; they are involved at the highest levels of their respective professions; they are sought after as consultants in many spheres, but their primary mission is teaching. Enrollment of 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*. Known nationally for its unique January Term program, McDaniel College is internationally recognized for its undergraduate branch campus in Hungary, McDaniel College Budapest, and for its graduate program in training teachers for the deaf.

## Location

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

## Academic Facilities

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

## Faculty

Faculty members—99 full-time professors, 97 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 and spend ample time with students outside of the classroom helping them plan academic programs, arrange internships, and prepare for careers. An average class size of fewer than 20 students encourages discussion and learning that is collaborative rather than competitive. When their schedules allow, the College president, provost, dean of students, and financial vice president all teach courses. Faculty members also serve as 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 Office of Academic Affairs and the Career Services Office, 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 basic liberal arts requirements: humanities, natural sciences and mathematics, and social sciences. The Bachelor of Arts degree is offered in 25 major areas of study: art, art history, biology, business administration, chemistry, communication, computer science, economics, English, exercise science and physical education, environmental policy and science, French, German, history, mathematics, music, philosophy, physics, political science, psychology, religious studies, social work, sociology, Spanish, and theatre arts. Students may choose a dual major or design their own major if their academic interests and goals take them outside of an existing program. In addition, most departments offer minor programs or particular courses to help students focus on or achieve individual goals.

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



## Graduate Degree Programs

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

## Off-Campus Study and McDaniel College Budapest

There are abundant opportunities for students to engage in academic work off campus. Many students enroll for one or two semesters in study abroad programs throughout Africa, Asia, Europe and Latin America that are supported through the International Programs Office. In October 1993, the College established McDaniel College Budapest, a branch campus in Budapest, Hungary, and each semester a number of students enroll there to join other young men and women from Europe and other parts of the world who are interested in a liberal arts education. Located at the crossroads of Europe, the Budapest campus, in cooperation with College International Budapest and International Studies, Inc., offers general education courses and a four-year undergraduate program in several disciplines.

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

## 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 25.)

## Social Life

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

## Costs

The College keeps its fees within the reach of students coming from families with moderate incomes while offering a liberal arts education of outstanding value. Tuition for 2005–2006 is \$25,710, 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 also available, and applications must be filed by January 1 for spring semester and June 1 for the fall. The College also offers partial and full ROTC scholarships.

## Athletics

Athletic teams compete in NCAA Division III as a member of the Centennial Conference, a group of 11 national liberal arts colleges and universities. Twelve sports are available for men: baseball, basketball, cross-country, football, golf, lacrosse, soccer, swimming, tennis, indoor/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. Commuter students also benefit from participation in a variety of extracurricular activities.

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

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



## College Regulations

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

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

## Student Governance

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

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

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

## The Honor Code

The College community affirms its commitment to the ideals of personal integrity and community honor in all aspects of campus life, including academic endeavors and use of the library and computing facilities. The honor system affirms that honest people are the most important elements of a good community and that the rights of the honest majority must be protected against the actions of individuals acting dishonestly. Violations consist of cheating in 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 eight national and local fraternities and sororities on campus. The fraternities are Alpha Gamma Tau, Alpha Sigma Phi (national), Phi Delta Theta (national), Phi Kappa Sigma (national), and Sigma Phi Epsilon (national). The sororities are Alpha Nu Omega, Phi Mu (national), and Phi Sigma Sigma (national).

Approximately 18 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
six outdoor tennis courts (two indoor)	racquetball court
volleyball courts	two 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 national liberal arts colleges and universities, which include Bryn Mawr College, Dickinson College, Franklin and Marshall College, Gettysburg College, Johns Hopkins University, Muhlenberg College, Swarthmore College, Ursinus College, Haverford College, and Washington College. Washington and Lee University participates only in the Conference's wrestling season. The school colors are green and gold.

## **Intramural Sports**

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

## **Beyond the Campus**

In addition to the many restaurants, shops, film theaters, churches, and other attractions in Westminster, there are many recreational destinations within easy reach by car. In 45 minutes, students can reach the 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 80 percent of the undergraduate students live in the residence halls, commuting students are a welcome and active part of the student body. Many live with their parents or guardians within reasonable driving distance. The College urges all commuting students to visit the 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 to welcome and assist them in acclimating to life at McDaniel College. Students will be welcomed into this community of scholars through a variety of intellectual activities including small-group discussions, lectures, and panel discussions. They will meet with faculty advisers and peer mentors, and have an opportunity to explore the range of academic offerings and programs that will match their interests and help them to meet their goals. Students will have the opportunity to begin new friendships and develop a multicultural perspective that will allow them to understand and value others. They will have a chance to become familiar with the layout of the campus, student government, student activities, student services, and the residence halls. On the day new students arrive on campus, they and their parents or spouses and other

family members are invited to attend the Introduction Convocation, a ceremonial ringing of the Old Main Bell, and a reception in Memorial Plaza. A similar orientation is offered for new students in January.

## Dining Service

All residential students other than those living in North Village, the Garden Apartments, and Pennsylvania Avenue houses are required to subscribe to 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 Sodexho 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.

## Multicultural Services

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

OMS is particularly committed to the academic and personal support of underrepresented students. OMS offers one-on-one counseling, referral services, recruitment programs, a mentoring program designed to assist first-year students, leadership development opportunities, a resource library and information on scholarships and internships. OMS also provides cultural programs, diversity/sensitivity training and advises culturally diverse student organizations.

## Counseling Services

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

## Career Services

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

## Conveniences

The College maintains services for the students' and faculty's convenience in Decker College Center. An Automatic Teller Machine (ATM) provides access to accounts with BB&T Bank or other banks in the MOST system. The College Store sells textbooks and other books, general college supplies, imprinted sports clothing, health aids, CDs/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. 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](http://www.mcdaniel.edu).

Prospective students may request College publications and material as well as schedule campus visits and receive information about Open Houses and other special admissions programs

through Admissions e-mail: [admissions@mcdaniel.edu](mailto:admissions@mcdaniel.edu) or by phoning toll free 1-800-638-5005, by faxing 410-857-2757, or by writing to:

The Office of Admissions  
McDaniel College  
2 College Hill  
Westminster, Maryland 21157-4390  
[www.mcdaniel.edu](http://www.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.

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

### SAT/ACT OPTIONAL PLAN

This option is open to students who:

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

Students choosing this option must indicate so by 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](http://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](http://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 from institutions accredited by accrediting agencies recognized by the U.S. Department of Education. No grades of D will be approved for transfer.

To transfer to McDaniel College, students should:

- submit 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. Limited 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 that allow students to fulfill the requirement of 6 Honors courses. Examples of recent Honors courses that meet Basic Liberal Arts Requirements (BLARs) are Bioethics, World of Light and Color, Great Works of the Western World I and II, and Politics of Developing Areas. Students also pursue Honors in an individual department or discipline, and then in their senior year present their departmental projects in a multidisciplinary Senior Honors Colloquium. Students are encouraged to study abroad; the Honors Faculty Committee will consider student petition for a substitution of a semester abroad in advance of the trip. They also must maintain a 3.4 GPA. Students may choose to live in Honors housing, and participate in extra- and co-curricular activities together such as attending a play or symphony. Students may also serve as officers on the Student Executive Board that is involved in running the Honors Program. The Honors Program is by

invitation only, as part of the admissions review process. There is a second option to be invited to the program after the first semester at McDaniel. These students will be chosen by GPA and invited to interview with Honors Faculty and students and to submit a writing sample. Questions regarding the Honors Program should be addressed to the Admissions Office or to the Director of the Honors Program, or e-mailed to [Honors@mcdaniel.edu](mailto:Honors@mcdaniel.edu).

## **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 (effective Fall 2006):

#### **TEST SCORE**

- 4 or 5: Students may receive advanced placement plus up to 8 hours credit
- 3: The department concerned determines placement, but no credit is given
- 2 or 1: No advanced placement or credit is given

### **College Placement and Credit by Examination**

In addition to granting college credit based on Advanced Placement Test results, the College grants to enrolling students college credit for Liberal Arts subject areas based on the results of 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. Students are admitted to the College based on academic and other non-financial criteria prior to consideration of their applications for financial aid.

Students who have been accepted by the College and can demonstrate financial need as required by the federal government may be eligible for assistance in the form of grants, loans, and opportunities for student employment. Frequently an award is a package of these resources, plus any awarded academic scholarships, tailored to the student's needs. Aid is also available from many other sources, both public and private. Many awards carry provisions for annual renewal for students who do well academically and whose financial circumstances remain unchanged. To find out about eligibility for financial aid, students must apply.

### **The Application Process**

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

Students are strongly urged to submit the FAFSA by March 1 (it cannot be submitted before January 1). Prospective freshmen should submit the McDaniel Financial Aid Application by March 1. Award letters to prospective students are generally mailed beginning in March. Applicants must be accepted by the College for admission before financial aid is awarded.



Returning students receive their award letters in June. Students are required to submit copies of their and their parent(s) federal tax returns for the previous year, and the College reserves the right to adjust an award based on this information. Students are urged to submit these copies as soon as they are available. The Financial Aid Office is the only College office empowered to make offers of financial aid.

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

## **Financial Aid Counseling**

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

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

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

## **Academic Scholarships**

The College awards more than \$10 million each year in scholarships to academically talented students. These renewable scholarships range in amounts from \$5,000 to full tuition. In order to renew an Academic Scholarship, a student must maintain a stipulated cumulative grade point average in his or her course work at the College.

## **First-Year Students**

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

## **Transfers**

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

## **McDaniel College Grants**

A substantial number of grants valued from \$1000 to \$19,000 are awarded to students each year based upon their financial need.

## **Family Tuition Reduction Grant**

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

## **Carroll County Scholarship**

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

## **Eagle Scout/Gold Award Scholarship**

Eagle Scout and Gold Award recipients are eligible for a \$2,000 renewable tuition scholarship. 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. Please note that receipt of a state scholarship or grant reduces a student's eligibility for a McDaniel College Grant.

## **Other State Grants**

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

## Loans

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

The Federal Robert T. Stafford Student Loan Program also makes low-interest loans available to students. The maximum loan amount per year is \$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. Repayment begins six months after the student ceases to be enrolled at least half time.

## Federal Work Study

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

Typical student employment includes positions such as library aides, lab assistants, tutors and assistants in the Offices of Admissions and other administrative areas. Many students work in Decker College Center at the Information Desk, managing the game rooms and lounges, and in the College Activities Office. Jobs in the Athletics Department range from life guarding 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 Scholarship

The Army Reserve Officers' Training Corps program at the College offers four-, three-, and two-year scholarships to qualified applicants. Army ROTC scholarships are awarded by a national board based on academic merit and leadership potential. The scholarship amount is \$20,000 plus textbook allowance of \$600, and monthly stipend starting at \$250 per month as a freshman for up to ten months, increasing to \$300 as a sophomore, \$350 as a junior, and \$400 as a senior for 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 online at <https://schlr4yr.usarmyrotc.com/rotc/Schlr4yr/index.htm>

## Veterans' Administration Benefits

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

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

## Installment Plans

McDaniel College makes available a commercial tuition payment plan. (See 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 awards and other matters, many beyond the control of the College, are constantly taking place. Because of possible changes, financial aid applicants should contact the Office of Financial Aid for current information.

# Expenses/Services

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

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

Degree-seeking undergraduates are entitled to enroll in one three-week January Term without paying additional tuition. Board and special fees are billed to the student's account. Students electing to enroll in two or more January Terms are charged a flat tuition rate. All students residing in the campus residence halls will be billed the 36-meal plan, whether they are here for athletics, as student workers, or taking classes. For information concerning our January Term, please refer to the January Term catalog.

## Tuition and Payment of Bills

Full-time students are charged a flat tuition fee of \$12,855 and a comprehensive fee of \$150 per semester. The tuition for part-time and special students is \$803 per credit hour.

McDaniel College divides basic charges into two half-year billings, the first payable by August 8, 2005, and the second by January 6, 2006. 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 print their class schedules from the Archway 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](http://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

#### *College Year 2005-2006*

<i>Standard Fees per semester</i>	<i>Resident</i>	<i>Non-Resident</i>
Tuition <sup>1</sup>	\$12,855.00	\$12,855.00
Residence Hall Room <sup>2</sup>	\$ 1,500.00	
Board <sup>3</sup>	\$ 1,300.00	
Comprehensive Fee <sup>4</sup>	\$ 150.00	\$ 150.00
Standard Semester Total	\$15,805.00	\$13005.00
<b>Non-Recurring Fees</b>		
Matriculation Fee <sup>5</sup>	\$ 400.00	\$ 400.00
Residence Security Deposit <sup>6</sup>	\$ 100.00	

<sup>1</sup> Students enrolled for more than 22 credit hours are billed an additional \$803 for each credit hour over 22.

<sup>2</sup> Rate for a standard double room in a traditional Residence Hall.

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

<sup>4</sup> Required of all full-time, degree-seeking students.

<sup>5</sup> One-time initial enrollment fee.

<sup>6</sup> 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)	\$ 402.00
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	\$ 60.00
Racquetball	\$ 20.00
Walleyball	\$ 20.00
Skiing	
No Rental	\$ 125.00
Full Rental	\$ 166.00
Photography Class Fee	\$ 15.00
Ceramics Class Fee	\$ 15.00
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	\$ 20.00
Post Office Key Replacement	\$ 20.00
Transcript FeePer Official Copy	\$ 5.00

Room Fees

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

<i>Residence Halls</i>			
double	\$1,500.00	single	\$1,750.00
<i>North Village</i>			
double	\$2,100.00	single	\$2,350.00
<i>Garden Apartments</i>			
double	\$1,750.00	single	\$2,000.00
<i>Pennsylvania Avenue Houses</i>			
double	\$1,700.00	single	\$1,950.00

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. Changes or cancellations to the meal plan must be made within the first two weeks of the semester.

All first-year students residing in a traditional residence hall are required to be on the 210-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 2005-2006 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 (e.g. GPA, standardized test scores, class rank, honors or AP courses, language courses) are invited to apply for the Honors Program. As members of the Program, they may take specially designed courses each semester that allow students to fulfill the requirement of 6 Honors courses. Examples of recent Honors courses that meet Basic Liberal Arts Requirements (BLARs) are Bioethics, World of Light and Color, Great Works of the Western World I and II, and Politics of Developing Areas. Students also pursue Honors in an individual department or discipline, and then in their senior year present that departmental project in a multidisciplinary Senior Honors Colloquium. Students are encouraged to study abroad; the Honors Faculty Committee will consider student petition for a substitution of a semester abroad in advance of the trip. All Honors Students also must maintain a 3.4 GPA.



Students may choose to live in Honors housing and participate in extra- and co-curricular activities together such as attending a play or symphony. Students may also serve as officers on the Student Executive Board that is involved in running the Honors Program. Completion of the program earns a certificate designating students as College Scholars. The Honors Program is by invitation only. There is a second option to join after the first completed semester at McDaniel. These students will be chosen by GPA and invited to interview and submit a writing sample. Questions regarding the Honors Program should be addressed to the Director of the Honors Program, or emailed to [Honors@mcdaniel.edu](mailto:Honors@mcdaniel.edu).

## Phi Beta Kappa Society

Phi Beta Kappa was established in 1776 as a philosophical society. Eventually, it evolved into the paramount honor society for the liberal arts in the United States and consists currently of 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 3.90 or higher.
- High honors, requiring a semester grade point average of 3.70-3.89.
- Honors, requiring a semester grade point average of 3.50-3.69.
- Students who receive a grade of "I" or "NR" in any of their courses are not eligible for Dean's List.

## General Honors at Graduation

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

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

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

## Departmental Honors at Graduation

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

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

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

## Edith Farr Ridington Phi Beta Kappa Writing Award

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

## The Argonaut Award

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

# Academic Regulations

## Academic Class

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

- 0 to 23 credits = freshman
- 24 to 56 credits = sophomore
- 57 to 84 credits = junior
- 85 or more credits = senior

## Grading System

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

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

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

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

## Credit-Fail

Qualified juniors and seniors may elect one course per semester under the Credit-Fail option. To receive credit (CR) for a course under this option, a student must attain a grade of C- or better, but the letter grade is not recorded on the student's record. Grades of "D+" or lower are converted to "F" under this option. Any grades of "F" obtained under the Credit-Fail option will be used in the calculation of the student's grade point average. Although a student must declare the Credit-Fail option prior to the end of the second week of class, 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 from the Office of Academic Affairs informing the student of deficiency status. This letter may contain certain requirements such as regular meetings with an Academic Dean or a required improvement in cumulative grade point average in order for the student to continue at the College.

3. A student whose grade point average in courses taken at the College falls below the limits listed in the following table may be dismissed from the College. (see chart below).

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

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

### Satisfactory Progress Standards (Academic) for Financial Aid

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

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

### Withdrawal

A student may withdraw from a course and receive a grade of “W” before the deadline specified for that term in the 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 via the Archway with grade reports at mid-semester and at the end of each semester.

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

## **Educational Records**

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

## **Retention of Records**

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

# **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 knowledge, skills and understanding 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 career counselors 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. Students are asked to declare a major by the end of their sophomore year. 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, students have the option of following the requirements in the catalog in effect when a student 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); Film Studies;

designated Interdisciplinary Studies; Exercise Science and Physical Education 1211, 1245 and 3345; 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.

### 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 either of the Advanced Placement (AP) English Tests 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 either ENG 1101 (if AP English Language) or 1102 (if AP English Literature) portion and will receive four additional credits. Incoming students who have received grades on 700 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
Environmental Policy and Science	Sociology
Exercise Science and Physical Education	Spanish
French	Theatre Arts
German	

## Declaring A Major

Students will not be able to register in the fall of their junior year for spring semester classes until they have submitted a declaration of major and major adviser form to the Registrar's Office. This requirement will not prevent students from changing majors at a later time or having more than one adviser.

## 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 202.



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/specialization 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	History
Acting	Human Resources Development
African-American Studies	International Studies
American History	Jazz Studies
Art History	Journalism
ASL and Deaf Studies	Latin
Athletic Training	Mathematics
Biology	Music
Business Administration	Outdoor Education
Chemistry	Philosophy
Classical Civilizations	Physics
Communication	Political Science
Comparative Literature	Psychology
Computer Science	Religious Studies
Cross Cultural Studies	Secondary Education
Economics	Sociology
Elementary Education	Spanish
English/American Literature	Sports Coaching
Environmental Policy and Science	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

## 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.

Students' first-year-seminar instructors will serve as their first academic advisers.

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. Many study abroad programs also provide internship opportunities in a range of areas and settings.

## 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/F 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 2003–2004 results for the College and overall rates for all colleges and universities in Maryland follow:

Tests of Basic Skills (Praxis I): McDaniel College, 100%; Maryland average, 99%  
(College data include undergraduate, post baccalaureate and specialty programs.)

Tests of Professional Knowledge: (Praxis II): McDaniel College, 98%; Maryland average, 97%

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

Tests of Content Knowledge: (Praxis II): McDaniel College, 100%; 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, 97%, Maryland average, 96%  
(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](http://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.

## Hoover Library

Hoover Library houses over 200,000 books, periodicals, media and US government documents, and provides access to thousands of full-text databases and online journals. Hoover's online catalog is searchable at <http://hoover.mcdaniel.edu>. Interlibrary loan services are freely available, and state-of-the-art reference services include extensive course-integrated bibliographic and information literacy instruction.

## Information Technology

Online registration and other student services are available through the Archway website. The campus offers numerous “smart” classrooms and conveniently located student computer labs and wireless hotspots. Residence halls are equipped with Ethernet connections. And videophone capacity and other assistive technology is available for students with special needs.

## 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 and Professional Studies, 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 ASL and 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, New Academic Building, McDaniel College

Adviser: Eddy Laird

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

## Washington Semester Program

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.

## Study Abroad

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

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

Students may study abroad for a semester or full year, and during the summer or January Term. Many options are available for study in Africa and Asia, Australia and New Zealand, Europe and the Middle East, Latin America, and the Caribbean. The College has its own branch campus and national study abroad center in Hungary, McDaniel College Budapest (see below). Other overseas programs are available through McDaniel's affiliation with various foreign universities and institutions such as the American Institute for Foreign Study (AIFS), Institute for the International Education of Students (IES), International Studies Abroad (ISA), School for International Training (SIT), College Year in Athens, Academic Programs Abroad (API), University of Maryland, Butler University's Institute for Study Abroad, Intercontinental Recruitment and Support Services (IRSS), Syracuse University, and Arcadia University. Each January Term a number of faculty members also take small groups of students on intensive study tours abroad.

Federal and state financial aid can be used for affiliated programs only. Institutional aid and scholarships can be applied to McDaniel College Budapest. The requirements for study abroad include sophomore, junior, or first semester senior status at the time of the program; good standing at the College; a minimum cumulative GPA of 2.0 (some programs require a higher GPA); completion of the McDaniel Study Abroad Application forms by the College deadlines; and attendance at Pre-Departure Orientation. Application forms are available at the IPO. For further information, see [www.mcdaniel.edu/studyabroad](http://www.mcdaniel.edu/studyabroad).

## McDaniel College Budapest

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

McDaniel College Budapest, established in 1993 and fully accredited, provides a unique study abroad experience in one of the most beautiful cities of Europe. Open to all college students, the program offers a wide range of courses appropriate to all majors and interests. Credit-bearing internship placements can be arranged. Students also travel on field trips to cities throughout Central Europe. Students may enroll for a semester or a full year, and the College's financial aid and scholarships can be applied. A minimum GPA of 2.00 is required for participation.

Courses are taught by a distinguished international faculty. The campus is situated in a historic building in the heart of Budapest. Students live in apartments within walking distance to campus.

In addition to serving as a national study abroad center for U.S. students, McDaniel College Budapest provides a full four-year program for international students, leading to a Bachelor of Arts degree in several disciplines. All courses are taught in English. For further information on the Budapest program, [www.mcdaniel.edu/budapest](http://www.mcdaniel.edu/budapest).

## 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

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

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

Professor Bloom (Department Chair);

Associate Professor Losch; Assistant Professors

McKay, Pearson, and Scott; Lecturers Van

Hart and Mychajlyshyn; Adjunct Lecturer

Hankins.

Areas of particular teaching interest:

Professor Bloom: photography, graphic design, computer graphics, digital design;

Professor Pearson: drawing and painting,

color theory, printmaking, 2-D and 3-D

design; Professor Losch: Native American,

American, Islamic, African art, Twentieth-

Century art; Professor McKay: Byzantine and

Early Christian art, Medieval art, Nineteenth-

Century art; Professor Scott: Chinese, Indian

and Japanese art, European Renaissance and

Baroque art and architecture; Lecturer Van

Hart: jewelry, design, portfolio preparation;

Lecturer Mychajlyshyn: drawing, painting,

sculpture; Lecturer Hankins: Ceramics.

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

The Department offers a range of experiences, including the opportunity to view

monthly shows in our own Esther Prangley Rice Gallery, where students can meet local and regional, and national artists. Art and Art History majors may also participate in special projects, including the creation of painted murals or outdoor sculpture pieces. Other opportunities include internships in Graphic Design 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 for public school teaching. Many students add art to their course of study for personal enrichment and a desire for creative satisfaction.

There are four specializations within the Art or Art History majors. These specializations are Graphic Design, Combined Studio Art and Art History, Art Teacher Education, and Medical or Scientific Illustration.

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

*Please see the Dual Major section 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 Senior Show Preparation Capstone

#### *Basic Art History Major*

##### ART HISTORY (44 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Six additional Art History courses, including One course (4 hrs.) in Independent Studies or

Special Topics in Art History

One course (4 hrs.) in non-Western Art History.

HIS 1105 & 1106 Western Civilization I & II

PHI 1113 History of Ancient & Medieval Philosophy

AHY 4492 Capstone Seminar

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 4492 Capstone Seminar, or ART 4492 Senior Show Preparation Capstone

#### *Specialization II*

##### GRAPHIC DESIGN (53 HRS.)

AHY 1113 History of Western Art I

AHY 1114 History of Western Art II

Eight courses in Studio Art

Recommended courses are:

- ART 1101 Drawing
- ART 1117 Design I
- ART 2206 Computer Graphics
- ART 2215 Photography
- ART 2216 Graphic Design I
- ART 3306 Printmaking
- ART 3310 Watercolor
- ART 3318 Graphic Design II

Two courses from:

- COM 1103 Mass Communication
- COM 1110 Public Speaking
- BUA 2209 Principles of Marketing
- ENG 2212 Professional Communication
- PSY 1106 Introduction to Psychology

A four-hour internship

ART 4492 Senior Show Preparation Capstone  
(1 hr)

### *Specialization III*

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 Senior Show Preparation Capstone  
(1 hr)

### *Specialization IV*

ART TEACHER EDUCATION

Please see the Education section under cur-  
riculum in this catalog for teacher certifica-  
tion 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 princi-  
ples and variations in lines, texture, value,  
composition, and the use of drawing skills.

## **1117 Design**

*4 credits*

An introductory investigation of two-dimen-  
sional design principles involving the ele-  
ments 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 Metalsmithing/Jewelry**

*4 credits*

An intensive study of problem solving in  
body adornment through historic and multi-  
cultural perspectives. Processes employed  
include piercing, forging, beading, fabrica-  
tion, and repoussé.

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.

*Prerequisites: ART 1101 and Art 1117*

## **3310 Watercolor**

*4 credits*

Experimentation with at least ten different techniques of watercolor painting.

## **3313 Painting**

*4 credits*

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

## **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.*

## **4490 Portfolio Preparation**

*4 credits*

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

## **4492 Capstone: Senior Show Preparation**

*1 credit*

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

## **2265; 3365; 4465 Special Topics in Studio Art**

*4 credits*

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

## **2295; 3395; 4495 Internship in Studio Art**

*0-4 credits*

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

## **2298; 3398; 4498 Independent Studies in Studio Art**

*0-4 credits*

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



### *Art History Course Descriptions (AHY)*

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

#### **1113 History of Western Art I**

*4 credits*

A survey of painting, sculpture, and architecture from 15,000 B.C. to 1400 A.D.

Included are Near Eastern, Egyptian, Greek, Roman, and Medieval Art.

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.

#### **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, Courbet, 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.

## **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.

## **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.

## **4492 Seminar in Art History - Capstone Seminar**

*1 credit*

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

## **2265; 3365; 4465 Special Topics in Art History**

*4 credits*

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

## **2295; 3395; 4495 Internship in Art History**

*0-4 credits*

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

## **2298; 3398; 4498 Independent Studies in Art History**

*0-4 credits*

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

## ASL AND DEAF STUDIES

Assistant Professor Laird

No major is offered in this field. The minor in ASL and 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 ASL and 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 2225 American Sign Language I  
(Prerequisite)

ASL 2226 American Sign Language II  
(Prerequisite)

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 if a  
minimum of ASLPI score of 2.5 is met

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 completion of the minor and for the Gallaudet Visiting Student Program.

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

### *ASL and Deaf Studies Course Descriptions (ASL)*

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

#### **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. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. (This course is taught in ASL only.) Prerequisite: American Sign Language 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. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. An assessment of signing skills (ASLPI) may be required. (This course is taught in ASL only.)

*Prerequisite: American Sign Language 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. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. An assessment of signing skills (ASLPI) may be required. (This course is taught in ASL only.)

*Prerequisite: American Sign Language 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. The course includes language laboratory that encourages development of sign skills and is an integral component of the course. An assessment of signing skills (ASLPI) may be required. (This course is taught in ASL only.)

*Prerequisite: American Sign Language 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.

## 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 teach-

ers, 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, or they may choose to major in Environmental Policy and Science. 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. Orza (Education) and Paquin (Biology); and 3) the listing of required courses shown in the Education section under Teacher Certification.

Biology majors with interests in academic areas outside the sciences are encouraged by the Biology Department to develop these talents. Our students have graduated with double majors in Art (medical illustration, graph-



ic design), Business and Economics, English (journalism), History, Foreign Languages (French, Spanish), Physical Education (sports medicine, physical education trainer), and Philosophy. Students have also graduated with Biochemistry or Math dual majors.

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

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

*Please see the Dual Major section for dual majors with Chemistry and Mathematics.*

### *Honors in Biology*

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

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

### **BASIC MAJOR (48 HRS.)**

#### *Required:*

BIO 1111 Principles of Biology I

BIO 1112 Principles of Biology II

Biology 1111, 1112 are prerequisites for all 2000- and 3000-level biology courses. (Students must 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 2265 Molecular Biology \*

BIO 3310 Cell Biology \*

BIO 3301 Immunology \*

BIO 3311 Advanced Genetics - Molecular

#### *Group 2*

Organismal Biology

BIO 2206 Epidemiology

BIO 2225 Endocrinology

BIO 3309 Advanced Genetics - Human

Molecular

BIO 3316 Animal Physiology \*

BIO 3320 Neurobiology

BIO 3323 Developmental Biology \*

BIO 3324 Comparative Anatomy \*

#### *Group 3*

Diversity

BIO 2201 Vertebrate Diversity \*

BIO 2204 Botany \*

BIO 2205 Invertebrate Zoology \*

BIO 2218 Parasitology \*

BIO 3307 Microbiology \*

#### *Group 4*

Population-Ecosystem Biology

BIO 2209 Environmental Health

BIO 2217 Ecology \*

BIO 2234 Marine Biology \*

BIO 3321 Evolution

Special topics courses will be assigned to particular groups.

*Strongly Recommended Courses:*

CHE 2218 Organic Chemistry II  
 CSC 1106 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. Course includes laboratory.

*Prerequisite:* Biology 1112.

Biology major Group 1 course.

## 2204 Botany

4 credits

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

Course includes laboratory.

*Prerequisite:* Biology 1112.

Biology major Group 3 course.

## 2205 Invertebrate Zoology

4 credits

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

Course includes laboratory.

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

Biology major Group 3 course.

## 2206 Epidemiology

4 credits

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

*Prerequisite:* Biology 1112.

Biology major Group 2 course.

## 2209 Environmental Health

4 credits

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

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

Biology major Group 4 course.

## 2211 Human Physiology

4 credits

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

Course includes laboratory.

Intended for those majoring in Exercise Science and Physical Education.

*Prerequisites:* Biology 1111, Chemistry 1101 or 1121.

This course does not fulfill requirements of a Biology major.

## 2217 Ecology

4 credits

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

Course includes laboratory.

*Prerequisites:* Biology 1112, Chemistry 1102.

Biology major Group 4 course.

## 2218 Parasitology

4 credits

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

Course includes laboratory.

*Prerequisites:* Biology 1112.

Biology major Group 3 course.

## 2225 Endocrinology

A study of the mammalian endocrine system with emphasis on humans. Topics include gross anatomy, histology, functions of the endocrine organs, and a detailed examination of diseases of the endocrine system.

Consideration is given to the hormones as signals within regulatory systems, and frequent reference is made to experimental methods in endocrinology.

*Prerequisite:* Biology 1112

Biology Major Group 2 course

## 2234 Marine Biology

4 credits

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

Course includes laboratory.

*Prerequisite:* Biology 1112.

Biology major Group 4 course.

## 3301 Immunology

4 credits

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

Course includes laboratory.

*Prerequisites:* Biology 2203 or 3310, Chemistry 1102.

Biology major Group 1 course.

## 3307 Microbiology

4 credits

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

Course includes laboratory.

*Prerequisite:* Biology 1112, Chemistry 1102 (pre- or co-requisite).

Biology major Group 3 course.

## 3309 Advanced Genetics - Human Molecular

4 credits

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

*Prerequisites:* Biology 2203, Chemistry 2217.

Biology major Group 2 course.

## 3310 Cell Biology

4 credits

A study of the structure and internal processes of eukaryotic cells. Includes cell energetics, the working of internal compartments (e.g. endoplasmic reticulum and mitochondria), and membrane transport. The interface between cells and their environment and fac-

tors allowing cooperative behavior of cells are also examined.

Course includes laboratory.

*Prerequisites:* Biology 1112, Chemistry 1102.

Biology major Group 1 course.

## 3311 Advanced Genetics - Molecular

4 credits

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

*Prerequisites:* Biology 2203, Chemistry 2217.

Biology major Group 1 course.

## 3315 Cell Biology of Model Organisms

4 credits

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

*Prerequisite:* Biology 3310.

Biology major Group 1 course.

## 3316 Animal Physiology

4 credits

A study and analysis of functional processes in animals and the involvement of these processes in homeostatic regulation. Topics include osmotic and ionic regulation, excretion, respiration, circulation, muscles, nervous communication, and hormones. This course is designed for students majoring in Biology.

Course includes laboratory.

*Prerequisites:* Biology 1112, Chemistry 1102.

Biology major Group 2 course.

## 3320 Neurobiology

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

Biology Major Group 2 course

*Prerequisites:* Biology 1112, Chemistry 1102



### 3321 Evolution

4 credits

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

*Prerequisite:* Biology 2203.

Biology major Group 4 course.

### 3323 Developmental Biology

4 credits

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

Course includes laboratory.

*Prerequisite:* Biology 1112. Chemistry 1102.

Biology major Group 2 course.

### 3324 Comparative Anatomy of Vertebrates

4 credits

A study of vertebrate structure in relation to phylogeny, ontogeny, and function, emphasizing morphological adaptation for function.

The laboratory investigation compares the detailed anatomy of a fish (shark), an amphibian (*Necturus*), and a mammal (cat). Course includes laboratory.

*Prerequisites:* Biology 1112, 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; 3365 Special Topics In Biology

4 credits

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

## **2295; 3395 Internship In Biology**

*0-4 credits*

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

## **2298; 3398; 4498 Independent Study In Biology**

*0-4 credits*

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

## **BUSINESS ADMINISTRATION**

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

Areas of particular teaching interest: Professor Claycombe: industrial organization, managerial economics; Professor Milstein: intermediate and advanced accounting; Professor Olsh: economic development, history of economic thought; Professor Seidel: money and financial markets; Professor 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.

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 Education section under Curriculum in this catalog for teacher certification requirements in Business Administration.*

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

### *Departmental Honors*

An honors student, in addition to maintaining a departmental average of 3.50, 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 2220 Psychology in the Workplace
- BUA 3305 Public Administration
- BUA 3325 Managing Sys. in a Macro Envir.

Four hours from among:

- COM 1110 Public Speaking
- ENG 1103 Introduction 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
- ECO 2201 Principles of Economics
- STA 2215 Elementary Statistics for Social Science

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

Four hours from among:

- BUA 3324 Managerial Economics
- BUA 4323 Corporate Finance and Financial Management
- ECO 3303 Microeconomic Theory
- ECO 4310 Money and Financial Markets

MINOR: ACCOUNTING (24 HRS.)

- BUA 1101 Principles of Acct. I
- BUA 1102 Principles of Acct. II
- BUA 2201 Intermediate Accounting I
- BUA 2202 Intermediate Accounting II

Eight hours from among:

- BUA 2205 Legal Environment of Business
- BUA 2212 Tax Accounting
- BUA 2213 Auditing
- BUA 2215 Cost Acct.: A Managerial Emphasis
- BUA 3301 Advanced Accounting

PRE-LAW PREPARATION

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

- History
- Political Science
- English
- Economics

*Business Administration Course Descriptions (BUA)*

### **1101, 1102 Principles of Accounting** *4, 4 credits*

Fundamental principles of accounting with emphasis on the preparation and interpretation of financial statements. Attention is given to the collection and reporting of pertinent information for creditors, management,

and investors. The second semester includes the preparation of data for internal management purposes; the collection, presentation, and interpretation of information for purposes of decision-making, cost control, and managerial planning.

*Prerequisite: 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 2005-2006 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 disci-

pline. 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 2005-2006 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.

## 2220 Psychology in the Workplace

4 credits

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

*Prerequisite:* Psychology 1106.

Cross-listed with Psychology 2220.

## 3301 Advanced Accounting

4 credits

A study of advanced topics in accounting, including partnerships, business combinations, consolidated financial statements, foreign currency transactions and translation, branches, governmental accounting, and non-profit 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; 3365; 4465 Special Topics in Business Administration**

*4 credits*

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

## **2295; 3395; 4495 Internships in Business Administration**

*0-4 credits*

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

## **2298; 3398; 4498 Independent Studies in Business Administration**

*0-4 credits*

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

## **CHEMISTRY**

Professors Herlocker and R. Smith; Visiting Professor Rosenthal (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 ensure that each takes the courses which will best meet expected career goals. Opportunities exist for

internships, research, and/or employment to give students practical experience in chemistry and allied fields. Extensive use is made of off-campus internships and on-campus summer research assistantships to give students practical experience in their chosen profession.

The Department encourages students to combine courses in Chemistry with those in other departments - such as Biology, Mathematics, Physics, Economics, Exercise Science and Physical Education, and Political Science - to develop programs which will provide broad awareness consistent with the College's liberal arts and sciences philosophy. Other Educational Options in Chemistry: American Chemical Society Certified Chemistry Major; 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 for dual majors with Biology (Biochemistry) or Exercise Science and Physical Education (Exercise Chemistry).*

*Honors in Chemistry (Biochemistry, Exercise Chemistry)*

Honors in Chemistry (Biochemistry, Exercise Chemistry) will be awarded to graduating seniors who have earned at least a 3.50 grade point average in all courses required for the particular major, who have performed an independent laboratory research project (including a written paper and an oral presen-

tation 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. Chemistry I: Structure & Bonding  
CHE 1102 Intro. Chemistry II: Chemical Reactivity  
CHE 2201 Electronic Literature Searching for the Chemical Sciences (1 credit.)  
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 credit)  
Capstone Experience  
MAT 1117 Calculus I  
MAT 1118 Calculus II (or equivalent)  
PHY 1101 General Physics I  
PHY 1102 General Physics II

### *Suggested First-Year Schedule:*

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

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

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

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

*Required:*

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

*Recommended:*

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

MINOR IN CHEMISTRY (24 HRS.)

CHE 1101 Intro. Chemistry I: Structure &  
Bonding  
CHE 1102 Intro. Chemistry II: Chemical  
Reactivity  
CHE 2217 Organic Chemistry I  
CHE 2218 Organic Chemistry II  
Four hours from among:  
CHE 2210 Physical Chemistry for the Life  
Sciences  
CHE 3308 Physical Chemistry II  
Four hours from among:  
One additional four-hour course in  
Chemistry  
BIO 3311 Advanced Genetics - Molecular  
PHY 4402 Intro. Quantum Mechanics

Before a student may register for CHE  
1101, the student is required to either (1)  
successfully complete both the arithmetic and  
algebra portions of the College-administered  
Mathematics Proficiency Test, OR, (2) regis-  
ter for MAT 1001 Basic Mathematics (if defi-  
cient in arithmetic) and/or MAT 1002 Basic  
Algebra (if deficient in algebra) as a co-requi-  
site(s) and successfully complete the require-  
ment(s) of the mathematics course(s).

Successful completion of both the arith-  
metic and algebra portions of the College-  
administered Mathematics Proficiency Test is  
required before a student may register for any  
course in Chemistry except CHE 1101.

*Chemistry Course Descriptions (CHE)*

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

*4 credits*

The first half of the two-semester, introducto-  
ry chemistry course is designed primarily for  
science majors. The course includes an  
overview of the macroscopic behavior of mat-  
ter 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 inter-  
molecular attractive forces, and kinetic molec-  
ular 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 intro-  
ductory chemistry course is designed primari-  
ly for science majors. The course includes an  
overview of the study of chemical reactions  
including the major classes of reactions, writ-  
ing and balancing chemical equations, reac-  
tion 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 introduc-  
tion 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 an introduction to the types and reactions of organic molecules, the major classes of biomolecules (carbohydrates, proteins, lipids, and nucleic acids) and their metabolism are discussed. This biochemistry is then related to disease states in the body and the development of drugs to combat disease. Course includes 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.

### **2210 Physical Chemistry for the Life Sciences**

*4 credits*

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

*Prerequisites:* Chemistry 1102, Mathematics 1117.

### **2217, 2218 Organic Chemistry I, II**

*4, 4 credits*

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

Qualitative analysis of organic compounds comprises half of the second-semester laboratory.

Courses include laboratory.

*Prerequisite:* Chemistry 1102.

### **2219 Quantitative Analysis**

*4 credits*

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

Course includes laboratory.

*Prerequisite:* Chemistry 1102.

### **3307 Physical Chemistry I: Quantum Chemistry and Spectroscopy**

*4 credits*

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

Course includes laboratory.

*Prerequisites:* Chemistry 1102, Physics 1102, Mathematics 1118.

### **3308 Physical Chemistry II: Thermodynamics and Equilibria**

4 credits

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

Course includes laboratory.

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

### **3321 Biochemistry I**

4 credits

The course explores cellular structure and function on a molecular level. The homework assignments emphasize technical writing skills and are an inquiry-based study on the relationship between molecular errors and human disease. Lecture topics will include the structure and function of biological macromolecules (e.g. nucleic acids, proteins, carbohydrates, lipids), metabolic pathways, and a variety of cutting-edge topics from the current scientific literature. The laboratory is research-based and will explore the relationship of protein aggregation to human diseases, materials design and astrobiology. Techniques to be studied will include protein purification, electrophoresis, microcopy, and a heavy emphasis on spectroscopic methods.

*Prerequisites:* Chemistry 2217, Biology 1111; Chemistry 2218 is 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.

### **4406 Advanced Analytical Chemistry**

4 credits

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

Course includes laboratory.

*Prerequisites:* Chemistry 2219 and 3307; Chemistry 3308 (pre- or co-requisite).

### **4415 Inorganic Chemistry**

4 credits

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

Course includes laboratory.

*Prerequisites:* Chemistry 2218 and 3307.

### **4492 Chemistry Seminar**

1 credit

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

*Prerequisite:* Chemistry 2201.



## 4494 Biochemistry Seminar

1 credit

Presentation of laboratory or literature findings on current topics of biochemical interest to students, faculty, and visiting lecturers.

This course is the Capstone Experience in Biochemistry and is required of all senior Biochemistry majors. Juniors and non-majors may be admitted by permission of the Biology and Chemistry Departments.

*Prerequisites:* Chemistry 3321, Biology 2203 and 3310.

Cross-listed with Biology 4494.

## 2265; 3365; 4465 Special Topics in Chemistry

4 credits

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

## 2295; 3395; 4495; Internships in Chemistry

0-4 credits

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

## 2298; 3398; 4498 Independent Studies in Chemistry

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

## CLASSICAL CIVILIZATIONS

Associate Professor D. Evergates.

Areas of particular teaching interest:

Professor Evergates: Greek and Roman history, literature, archaeology.

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

## COMMUNICATION

Professor Sapora; Associate Professors Lemieux (Department Chair) and Meyer; Assistant Professors Slade and Vance; Adjunct Lecturers Brannon, Villani, 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;

Professor Vance: popular culture, critical theory, rhetorical analysis and criticism.

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 for dual majors with Art, English, Foreign Languages, Sociology, or Theatre Arts.*

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

### Departmental Honors

Awarding of honors is determined by the Communication Department faculty.

All courses are four credits unless otherwise noted.

## BASIC MAJOR (44 HRS.)

COM 1102 Interpersonal Communication  
COM 1103 Mass Communication  
COM 2203 Quantitative Research Methods  
COM 2204 Qualitative Research Methods  
COM 4594 Senior Seminar

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

Three courses chosen from:

BUA 2209 Principles of Marketing  
BUA 2210 Ethics and Business  
COM 1110 Public Speaking  
COM 2250 Television Production  
COM 2265 Computer Video Editing  
COM 2266 Internet Communication Skills  
ENG 2205 Media Ethics  
ENG 2207 Creative Writing - Fiction  
ENG 2208 Advanced Composition  
ENG 2212 Professional Communication  
PHI 1102 Critical Thinking  
THE 1113 Acting  
THE 1117 Group Process in Interactive  
Theatre

## MINOR IN COMMUNICATION (24 HRS.)

COM 1102 Interpersonal Communication  
COM 1103 Mass Communication  
COM 1110 Public Speaking  
COM 2203 Quantitative Research Methods  
COM 2204 Qualitative Research Methods

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 4595 Independent Study with  
Campus TV Station

*Contact: Professor Slade, Communication*

## *Communication Course Descriptions (COM)*

### **1102 (FR) Interpersonal Communication**

*4 credits*

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

### **1103 (FR) Mass Communication**

*4 credits*

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

### **1110 Public Speaking**

*4 credits*

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

### **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

4 credits

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

Social Science.

*Prerequisites: Communication 1102 and 1103.*

## 2204 Communication Research

### Methods: Qualitative

4 credits

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

Social Science.

*Prerequisites: Communication 1102 and 1103.*

## 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.

*Prerequisite: Junior or Senior standing.*

## 3310 Rhetorical History and Criticism

4 credits

This course looks at the modes of persuasion from the earliest recorded oral cultures to today's electronic media, as well as provides an introduction to rhetorical criticism.

Topics include how meaning, especially persuasive meaning, is constructed symbolically and how to critique a rhetorical text.

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

*Prerequisite: Junior or Senior standing.*

## 3314 Language and Discourse

4 credits

An analysis of the rules of social interaction and the functions of language in discourse.

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

*Prerequisite: Junior or Senior standing.*

## 3321 The Origins of Human Communication

4 credits

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

*Prerequisite: Junior or Senior standing.*

## 3322 From Orality to Print

4 credits

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

*Prerequisite: Junior or Senior standing.*

### **3323 The Age of Information**

*4 credits*

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

*Prerequisite: Junior or Senior standing.*

### **3326 Organizational Communication**

*4 credits*

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

*Prerequisite: Junior or Senior standing.*

### **3330 Film Analysis**

*4 credits*

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

Humanities.

*Prerequisite: Junior or Senior standing.*

### **3332 Television Analysis and Criticism**

*4 credits*

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

*Prerequisite: Junior or Senior standing.*

### **3333 Fiction Into Film**

*4 credits*

The process by which film adapts literary works. The course considers adaptations from short fiction, novels, and dramatic literature; exploring the formal traits unique to each individual genre, the formal traits shared by

more than one genre, and the capacity of film adaptation to retain and transform narrative content. Students will write critical essays and a filmscript adapted from a piece of short fiction. The course includes a weekly three-hour film viewing session.

Humanities.

*Prerequisite: Junior or Senior standing.*

### **3334 Semiotics of Photography and Film**

*4 credits*

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

Humanities.

*Prerequisite: Junior or Senior standing.*

### **3337 Scriptwriting**

*4 credits*

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

*Prerequisite: Junior or Senior standing.*

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

*4 credits*

Theoretical approaches to the study of film, the analysis of 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.

*Prerequisite: Junior or Senior standing.*

### 3349 Filmmaking: First Production

1 credit

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

*Prerequisite: Communication 2249 and Junior or Senior standing.*

### 3351 Gender and Communication

4 credits

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

*Prerequisite: Junior or Senior standing.*

### 3352 Intercultural Communication

4 credits

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

*Prerequisite: Junior or Senior standing.*

### 3353 Cultural Studies

4 credits

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

*Prerequisite: Junior or Senior standing.*

### 3355 Critical Theory and Popular Culture

4 credits

A detailed analysis of popular culture formations using critical theoretical tools. This course offers an abstract and contextual study

of the way various trends in contemporary popular culture relate to larger, social issues. Topics include an historical overview of critical social theory, and the ways gender, race, and youth are articulated in popular music, film, and television.

*Prerequisite: Junior or Senior standing.*

### 3371 General Systems Theory

4 credits

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

*Prerequisite: Junior or Senior standing.*

### 3372 Information Theory

4 credits

Information theory and its implications in human communication. Topics include difference, pattern, data, variety, rule, code, noise, uncertainty, entropy, information, language, and complexity.

*Prerequisite: Junior or Senior standing.*

### 3381 Health Communication

4 credits

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

*Prerequisite: Junior or Senior standing.*

### 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; 3365; 4465 Special Topics in Communication

4 credits

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

## 2295; 3395; 4495 Internship in Communication

0-4 credits

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

## 2298; 3398; 4498 Independent Studies in Communication

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

## 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.

### **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; 3365 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; 3398 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 R. Boner.

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. Boner to determine whether they should begin with CSC 1106 or CSC 1107.

*Please see the Dual Major section for dual major with Mathematics.*

*Please see the Education section under Curriculum in this catalog for teacher certification requirements in Computer Science.*

## 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 from:

CSC 2205 Software Engineering  
CSC 2208 Algorithms  
CSC 2213 Computer Architectures

Four additional four-credit courses in  
Computer Science, 2000 level or above.

CSC-4494 Capstone experience in Computer Science

MAT-1118 Calculus II

One additional Mathematics course, 2000 level or above

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 transformations (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 formulas, 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 nonlinear 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; super-scalar 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 architec-

tures 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 concep-

tual 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 detection and error correction techniques; data link layer protocols; data compression algorithms; common carrier services, facilities, and regulatory requirements; circuit, message, packet, and cell switching techniques, including discussion of packet switched networks, ISDN, frame relay, ATM, and HY IP protocol; network optimization algorithms; reliability and availability and queuing analysis topology optimization techniques; and circuit costing.

*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.

### 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 2224 or 2207, or permission of the instructor.

### 4494 Computer Science Capstone

1 credit

All senior Computer Science majors will read an expository paper in one of the computer science journals and provide a written report and oral presentation on the topic discussed in the article. The article will be chosen by the student in consultation with a member of the Department of Mathematics and Computer Science faculty.

*Prerequisites:* Senior standing, completion of introductory and foundation course requirements in Computer Science; and satisfactory progress toward completion of major.



## **2265; 3365 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; 3395 Internships in Computer Science**

*0-4 credits*

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

## **2298; 3398 Independent Studies in Computer Science**

*0-4 credits*

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

*Prerequisite: permission of the instructor.*

## **CROSS CULTURAL STUDIES**

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/REL 2222 Hinduism

CCS/REL 2224 Buddhism

CCS/PHI 2225 Phil. & Practice of Tai Chi

CCS/REL 2254 Religions of Africans & the

Indigenous Americans

CCS/REL 2255 Religions of Asia

CCS/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

CCS/THE 3337 Asian Approaches to Acting

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

CCS 1101 Intro. to Chinese Civilization

CCS 1120 Japan: Land of Contrast

CCS/FRE 1123 French-Speaking World

CCS/IDS 2215 The Arab World

CCS/HIS 2221 The Chinese Renaissance

CCS/SPA/HIS 2223 Cultural History of Latin America

CCS/HIS 2231 History of East Asia to 1600

CCS/HIS 2232 History of East Asia since 1600

CCS/HIS 3331 Gender and the Family in China

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

CCS/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

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

*Contact: Dr. Christianna Leahy, Political Science*

### 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.

### 2215 The Arab World

4 credits

In ancient times, the present Arab world was the "cradle of civilization" and the birthplace of Judaism, Christianity and Islam. What is the Arab World today? An unknown and misunderstood world in turmoil. The course will offer an introduction to the history, language, literature, arts and politics of the Arab world in the Middle East and Africa. A special focus will be given to current events since 9/11/2001.

Global Perspective, Humanities.

Cross-listed with Interdisciplinary Studies 2215

## **2219 East Asian Philosophy**

*4 credits*

A study of the history and literature of the major East Asian philosophical schools, with emphasis on the presuppositions concerning man and nature. Schools of thought which will receive special attention include Confucianism, Daoism, Mohism, Yin-Yang, Neo-Confucianism, Zen, and Shinto. The course concludes with a comparison of the general characteristics of East Asian philosophy and Western philosophy. Global Perspective, Humanities. Cross-listed with Philosophy 2219.

## **2221 The Chinese Renaissance**

*4 credits*

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

## **2222 Hinduism**

*4 credits*

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

## **2223 Cultural History of Latin America**

*4 credits*

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

## **2224 Buddhism**

*4 credits*

An examination of the history of Buddhism, the practices, teachings, and forms of organization of its three major traditions—Theravada, Mahayana, and Vajrayana—and the development of Buddhism in the United States. The course includes visits to Buddhist institutions in the surrounding area. Global Perspectives, Humanities. Cross-listed with Religious Studies 2224.

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

*4 credits*

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

## **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.

## **2231 History of East Asia to 1600**

*4 credits*

Survey of the history of China, Korea, and Japan, from mythical times to 1600.

Although this survey outlines the individual histories of China, Korea, and Japan, it emphasizes the cultural continuities and historical interactions that have made "East Asia" a coherent cultural region: shamanism, writing systems, rituals of kingship, Buddhism, Confucianism, literature and visual arts, technological development, travel, commerce, and war.

Global Perspective, Humanities.

Cross-listed with History 2231.

### **2232 History of East Asia since 1600**

*4 credits*

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

Global Perspective, Humanities.

Cross-listed with History 2232.

### **2241 The Arts and Architecture of the African Continent and Beyond**

*4 credits*

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

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 eco-

nomic 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.



**3331 Gender and the Family in China***4 credits*

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

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

Global Perspective, Humanities.

Cross-listed with History 3331.

**3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World***4 credits*

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

Social Science and Global Perspective.

Cross-listed with Political Science and International Studies 3333.

**3337 Asian Approaches to Acting***4 credits*

An approach to acting using Asian forms.

These are intended to instill in the developing actor a sense of stillness, presence and containment. Students in the course will explore a formalist (outside-in) approach to acting, through practice of Tai chi, yoga, kalaripayatt

and butoh. This intensive course will culminate in performance of a short play.

*Prerequisites:* Theatre Arts 2232 or 2234.

Cross-listed as Theatre Arts 3337

Global Perspective.

**DEAF STUDIES**

See page 52.

**ECONOMICS**

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

Areas of particular teaching interest:

Professor Claycombe: industrial organization, managerial economics; Professor Milstein: intermediate and advanced accounting; Professor Olsh: economic development, history of economic thought; Professor Seidel: money and financial markets; Professor 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.

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

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

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

The Department offers five options for majors. Courses listed for these options are only minimum requirements. Students elect additional courses during the junior and senior years from this Department and others according to their interests. The Basic Major permits a maximum number of such electives. *Please see the Education section under Curriculum in this catalog for teacher certification requirements in Economics. Please see the Dual Major section for dual majors with Business Administration, Business German, Foreign Language, Mathematics, and Political Science.*

#### *Departmental Honors*

An honors student, in addition to maintaining a departmental average of 3.50, 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 1103 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 problems 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, allocation 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 uncertainty and theories of factor pricing and income distribution.

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

### 3304 International Economics

4 credits

The principles of international trade and finance: study of classic trade theories, trade policy, exchange rate markets, balance of payments, trade and growth/development, open economy business cycles, international organizations, and exchange rate policy.

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

Offered in 2005-2006 and alternate years.

### 3305 American Economic History

4 credits

This course is an interdisciplinary one which will use economic methods to analyze and interpret various episodes in U.S. History. Topics to be covered will include: colonial and antebellum money and banking; productivity growth and the secular change to manufacturing economy; slavery; the Civil War; growth of railroads; the gold standard; and the Great Depression.

*Prerequisites: Economics 1101 or Economics 2201*

### 3319 Public Finance

4 credits

Principles and problems of taxation; the theory, 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 determination, growth, and business cycles; the consumption/leisure tradeoff, expectations and dynamic decision making, asset markets and investment, nominal frictions, and the role of fiscal and monetary policy.

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

### 3324 Managerial Economics

4 credits

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

*Prerequisite: Economics 2201 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 macro economy.

*Prerequisite: Economics 2201 and senior standing, or invitation of the instructor.*

### **4312 Mathematical Economics**

4 credits

This course deals with the application of basic mathematical principles and methods to various types of economic problems, including (1) the mathematical representation of basic economic principles and theories through

economic models, (2) the use of matrix algebra in economic analysis, (3) the elements of calculus used in marginal analysis and the economic principles of unconstrained and constrained maximization and minimization and, (4) the application of differential and difference equation models in the study of economic growth.

### **4405 The History of Economic Thought**

4 credits

The development of economic theory from ancient times to the present. Contributions of Greece, Rome, and the Middle Ages; major emphasis on mercantilism and nineteenth- and twentieth-century economic analysis.

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

### **4490 Senior Thesis**

1-4 credits

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

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

### **4491, 4492 Economics and Business Administration Colloquium**

1, 1 credit

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

*Prerequisite: Economics 2201 or permission of the instructor. This course is open to all senior Economics majors.*

Cross-listed with Business Administration 4491, 4492.

### **2265; 3365; 4465 Special Topics in Economics**

0-4 credits

The study of a selected topic in the discipline. Different topics are chosen for each offering. *Prerequisite: Economics 2201 or permission of the instructor.*

## 2298; 3398; 4498 Independent Studies in Economics

0-4 credits

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

## EDUCATION

Professors Coley, Fennell, Pool, Reiff, and Zirpoli; Associate Professors Kerby, K'Olewe, D. Miller, Orza (Department Chair), Rust, and Schlossberg; Assistant Professors Bohman, Burkert, Craig, Laird, Medina, Parker, and Virts; Lecturer Conley; Visiting Associate Professor Trader; Coordinator of Field Placement Travetto; Instructional Support for ASL 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 Bohman: educational leadership; Professor Burkert: Coordinator of Special Education; Professor Craig: reading assessment and instruction, reading difficulties – prevention, intervention, and remediation; Professor Laird: ASL specialist, ASL and Deaf Studies counseling; Professor Medina: psychological foundations of education, diversity, special education; Professor Parker: curriculum and instruction, interdisciplinary programs;

Professor Virts: Deaf education – literacy development, curriculum and instruction; Professor Rust: Deaf education/ASL and Deaf Studies; Professor Trader: educational policy, curriculum and instruction; Professor Travetto: Professional Development Schools, field placement, counseling, physical education; Professor Martin: ASL and Deaf Studies.

### *Education Minor Program Requirements*

McDaniel College, recently accredited by the National Council for the Accreditation of Teacher Education (NCATE), has provided programs for teacher preparation and certification for over 110 years. Although the College has never had a major in education, it does offer minors in elementary, secondary, and P-12 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 and accreditation requirements.

The Education faculty are committed to the department mission "to prepare knowledgeable, caring, reflective practitioners to facilitate learning for all students in a diverse and technological society." Students preparing to teach at the secondary level (middle or high school) select a major in their field such as Biology, English, Music, etc; students desiring certification to teach at the elementary level (grades 1-6) may select any major, usually one which supports the field such as Communication, English, History, Mathematics, Sociology, or Psychology. Students receive certification in elementary education or the following secondary education fields: art, biology, chemistry, English, French, German, instrumental or vocal music, mathematics, physical education, physics, social studies, or Spanish.



### *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 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

Transfer students must seek and consult with Dr. Janet Medina in the education department during their first months on campus to determine eligibility for admission into the minor.

### *Education Minor Requirements:*

1. All Education minors must have an Education Department 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. PRAXIS I scores must be submitted to the education department by January 1 prior to the spring semester or August 1 prior to the fall semester. Note that EDU 1111 is a first-year seminar and that EDU 1141 should be completed in the spring of the first year or the fall of the sophomore year. Students must have sophomore standing to enroll in EDU 2240 or EDU 2015. Note that EDU 1141 is a prerequisite for EDU 2240 or EDU 2015.
- b) In order to enroll for any EDU 3000-level courses, students must be formally admitted to the education minor. c) Students must earn a grade of "C" or better in all EDU prefix courses and all other certification requirement courses, which are those courses listed in this catalog under the headings of the Teacher Certification for each area of major study. Note: students who earn a C- or lower in any course required for certification must repeat the course in order to continue in the minor.
- c) All students are required to have a criminal background record check through fingerprinting and disclosures prior to any school-based internship. Notification disclosures must come directly to McDaniel College, education Department. All notifications will be reviewed by the department as a condition of participating in a school-based internship.
- d) 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).

- e) 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.
- f) Candidates for the education minor must complete an approved education Jan Term internship in an ethnically diverse classroom setting.

### MINOR IN ELEMENTARY EDUCATION (65 HRS.)

#### *Required:*

- PSY 1106 Introduction to Psychology
- EDU 1141 Teaching and Learning in a Diverse Society (not before spring first year) or EDU 1111 Learning in a Diverse Society (First-Year Seminar)
- EDU 2015 Processes and Acquisition of Reading (includes practicum)
- EDU 2115 Field Practicum [2.5 hours, twice a week]
- EDU 3324 Balanced Reading Instruction and Materials (includes practicum)
- EDU 3124 Field Practicum [2.5 hours, twice a week]
- EDU 3312 Teaching Science and Social Studies - Elementary School (includes practicum)
- EDU 3112 Field Practicum [2.5 hours, twice a week]
- EDU 3314 Teaching Elementary School Mathematics (includes practicum)
- EDU 3114 PDS Field Practicum [2.5 hours, twice a week]
- EDU 4205 Assessment of Reading Instruction (includes practicum)
- EDU 4105 Field Practicum [2.5 hours, twice a week]
- SLM 3317 Children's Literature
- MAT 1106 Finite Mathematics (Dependent on math placement)
- MAT 2242 Mathematical Structures I (Requires documented Math proficiency)
- 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.)
- Education department approved Jan term internship in an ethnically diverse classroom setting, e.g. EDU 2100 Professional Semester (12 hrs.)
- EDU 4422 Elementary Student Teaching (primary/intermediate) (6 hrs.) AND
- EDU 4424 Elementary Student Teaching (intermediate/middle) (6 hrs.) OR
- EDU 4425 Elementary Student Teaching (full semester) (12 hrs.)
- Passing scores on PRAXIS I and II
- Satisfactory completion and presentation of an Exit Portfolio

#### *Recommended:*

- STA 2215 Statistics
- MAT 3322 Geometry

### MINOR IN SECONDARY EDUCATION (38 HRS.)

*Note: Secondary and P12 education minors must complete the appropriate major in their teaching field. There are additional courses required for those wishing to teach Art, Biology, Chemistry, English, Foreign Language, Mathematics, Music, Physical Education, Physics, and Social Studies. All secondary and P12 education minors should check the teacher education course listings and the corresponding major requirements that may appear in this catalogue.*

#### *Required:*

- PSY 1106 Introduction to Psychology
- EDU 1111 Learning in a Diverse Society or
- EDU 1141 Teaching and Learning in a Diverse Society (Spring only for first-year students)
- EDU 2240 Planning and Evaluating Instruction
- EDU 2140 Field Practicum [2 hours, twice a week]
- 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]

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

*\*Methods Courses:*

The required methods course depends on the  
area of certification. Students must have com-  
pleted 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:

*Courses offered Fall only:*

EDU 3342 Methodology in Art - Secondary

EDU 3142 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3341 Methodology in English -

Secondary

EDU 3141 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3343 Methodology in Foreign  
Language - Secondary

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

EDU 3344 Methodology in Mathematics -  
Secondary

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

EDU 3340 Methodology in Choral Music -  
Secondary

EDU 3140 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3346 Methodology in Instrumental  
Music - Secondary

EDU 3146 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3345 Methodology in Social Studies -  
Secondary

EDU 3145 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3350 Methodology in Science -  
Secondary

EDU 3150 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3348 Curriculum Models in Secondary  
Physical Education

EDU 3148 PDS Field Practicum Secondary  
PE [2.5 hours, twice a week]

Courses offered Spring only:

EDU 3347 Methodology in Art - Elementary

EDU 3147 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3349 Curriculum Models in  
Elementary Physical Education

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

EDU 3151 PDS Field Practicum [2.5 hours,  
twice a week]

EDU 3351 Elementary Music Methods

EDU 3151 PDS Field Practicum [2.5 hours,  
twice a week]

TEACHER CERTIFICATION IN SEC-  
ONDARY (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 3429 Race and Ethnic Relations in the U.S.

Two courses from:  
 SOC 2202 The Family or SOC 2201 Society and the Individual  
 SOC 3360 Sociology of Education  
 SOC 2212 Wealth, Power, and Prestige in American Society  
 SOC 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 (P-12) 78 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]  
 EDU 3347 Methodology in Art – Elementary

EDU 3147 PDS Field Practicum [2.5 hours,  
twice a week]  
Student teaching must be at both elementary  
and secondary levels

*Biology (1-6 Elementary Certification) 113 hrs.*  
Basic Biology major (48 hrs.)  
Elementary Education minor requirements

*Biology (7-12 Science) 94 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) 113 hrs.*  
Basic Business Administration major (48 hrs.)  
Elementary Education minor requirements

*Chemistry (1-6 Elementary Certification) 115  
hrs.*  
Basic Chemistry major (50 hrs.)  
Elementary Education minor requirements

*Chemistry (7-12 Science) 88 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)  
109 hrs.*  
Basic Communication major (44 cr.)  
Elementary Education minor requirements

*Computer Science (1-6 Elementary  
Certification) 114 hrs*  
Basic Computer Science major (49 hrs.)  
Elementary Education minor requirements

*Economics (1-6 Elementary Certification) 109  
hrs.*  
Basic Economics major (44 hrs.)  
Elementary Education minor requirements

*English (1-6 Elementary Certification) 113 cr.*  
Basic English major (48 hrs.)  
Elementary Education minor requirements

*English (7-12) 90 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  
SLM 3318 Adolescent Literature

*Environmental Policy and Science Major (1-6  
Elementary Certification) 109 hrs.*  
Basic Environmental Policy and Science  
major (44 hrs.)  
Elementary Education minor requirements

*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/I  
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) 78 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) 110 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 1865 and one course covering American History after 1865)

See Social Studies certification requirements

*Mathematics (1-6 Elementary Certification) 112 hrs.*

Basic Mathematics major (47 hrs.)  
 Elementary Education minor requirements

*Mathematics (7-12) 84 hrs.*

MAT 1118 Calculus II  
 MAT 2218 Linear Algebra  
 MAT 2224 Fundamentals of Mathematics  
 MAT 3305 Introduction to Mathematical Analysis

MAT 3310 History of Mathematics  
 MAT 3316 Complex Analysis  
 MAT 3322 Fundamental Concepts of Geometry

MAT 4406 Abstract Algebra  
 MAT 4494 Capstone Experience in Mathematics (1 cr.)

One of the following:

MAT 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 3310 Form and Analysis  
 MUL 2203 Music of the Western World I and MUL 2204 Music of the Western World II or MUL 2231 Heritage of African-American Music I and MUL 2232 Heritage of African-American Music II  
 MUL/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 cr.)  
 MUS 1155 Percussion Pedagogy (1 cr.)  
 MUS 1156 Brass Pedagogy (1 cr.)  
 MUS 1157 Voice Pedagogy for Singers (1 cr.) or MUS 1159 Voice Pedagogy for Instrumentalists (1 cr.)

In addition to the theory requirements, basic musicianship skills (MUS 1204) must be satisfied prior to taking Music courses at the 3000 level or higher.

Eight hours of aural skills (as needed for proficiency)

Six hours of piano (as needed for proficiency) or MUS 1201 Piano Competency Exam

Two hours of guitar (as needed for proficiency) or MUS 1203 Guitar Competency Exam

Two hours of voice (as needed for proficiency) or MUS 1202 Voice Competency Exam

Eight hours of applied music lessons, one major instrument preferred\*

Participation in a Department musical performance 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) 105 hrs.*

Basic Philosophy major (40 hrs.)

Elementary Education minor requirements

*Physics (1-6 Elementary Education) 114 hrs.*

Basic Physics major (49 hrs.)

Elementary Education minor requirements

*Physics (7-12 Science) 91 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) 107 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 2211 Psychology of Abnormality

Three additional elective Psychology courses in addition to a Capstone course

One capstone course or independent research conducted under the supervision of a faculty member. One capstone course is offered as seminar each semester. The topics are determined by both faculty expertise and student interest.

Elementary Education minor requirements  
*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

*Religious Studies (1-6 Elementary Education) 107 hrs.*

Basic Religious Studies major (42 hrs.)

Elementary Education minor requirements

*Social Work (1-6 Elementary Education) 109 hrs.*

Basic Social Work major (44 hrs.)

Elementary Education minor requirements

*Sociology (1-6 Elementary Education) 107 hrs.*

Basic Sociology major (42 hrs.)

Elementary Education minor requirements

*Sociology (7-12 Social Studies) 80 hrs.*

Basic Sociology major (42 hrs.)

CSC 1104 Introduction to Computer Science recommended

*Theatre Arts (1-6 Elementary Certification) 111 hrs.*

THE/EDU 3001 Teaching Theatre to Young People

Basic Theatre Arts major (42 hrs.)

Elementary Education minor requirements

All dual majors also offer 1-6 Elementary Certification

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

4 credits

An overview of education in the U.S. including an introduction to the role of various personnel in the school environment. The cognitive, affective, and psychomotor characteristics, as well as the personal, social, and moral development of school-age students are identified and explored with an emphasis on the class' own experiences in education. Topics include self-concept, motivation, ethics, mainstreaming, communication skills, at-risk populations, standardized tests, and multiculturalism, as they relate to today's diverse learning environments.

### 1141 Teaching and Learning in a Diverse Society

4 credits

An overview of education in the United States, including identification of pupil characteristics at all three educational levels: elementary, middle, and high school. The course includes psychology of teaching and learning, related educational foundations, and a research-based introduction to current issues in education. This course places a strong emphasis on understanding how students differ in their approaches to learning and creating instructional opportunities that are adapted to diverse learners in order to meet individual needs. Incorporation of selected multimedia and technology and structured observations in elementary and secondary schools are included.

*Note: This course should be completed in the spring of the first year or the fall of the second year at McDaniel College.*

### 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 in an elementary school is the field experience for this course.

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

### 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 in a secondary school during the semester.

*Prerequisites: Education 1111 or 1141, sophomore status. This course is for Secondary Education or P12 education students only.*

### 3001 Teaching Theatre to Young People

Study of the specific methods for the teaching of Theatre Arts to young people, including classroom management techniques involving theatre games, and ways to develop performances based on curriculum material. Students will learn exercises and games designed to teach young people the skills for performing live theatre. Topics include instructional objectives, teaching strategies, parent/teacher communication, and evaluation techniques. Field experience includes a 6-week practicum or after school classes (in association with Theatre on the Hill Jr.) during the second half of the semester.

Cross-listed with Theatre Arts 3001.

### 3312 Teaching Science & Social Studies in the Elementary School

4 credits

Current trends in science and social studies for the elementary school level with an emphasis on student involvement in the

learning environment are studied. Students acquire familiarity with a variety of teaching techniques and curriculum materials in these two content areas. A 2.5-hour, twice a week practicum for the semester in an elementary Professional Development School (PDS) is the field experience for this course. This course is to be completed concurrently with Education 3314.

*Prerequisites: formal interview for admission to Education minor; 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 in an elementary Professional Development School (PDS) is the field experience for this course. This course is completed concurrently with Education 3312.

*Prerequisites: formal interview for admission to education minor; 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 in an elementary Professional Development School (PDS) is the field experience for this course.

*Prerequisites: formal interview for admission to Education minor; 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 in a secondary Professional Development School (PDS) is the field experience for this course.

*Prerequisites: formal interview for admission to Education minor; 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 Professional Development School is the field experience for this course.

*Prerequisites: formal interview for admission to Education minor; 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 secondary Professional development school is the field experience for this course.

*Prerequisites: formal interview for admission to Education minor; Praxis I; Education 1111 or 1141, and 2240; junior status. This course is for Secondary or P12 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 secondary Professional Development school is the field experience for this course.

*Prerequisites: formal interview for admission to*

*Education minor; Praxis I; Education 1111 or 1114, 2240, 4417, junior or senior status. This course is for Secondary of P12 Education students only.*

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

*6 credits*

An internship teaching in an elementary Professional Development School (PDS). Experiences involve full-time teaching with all related planning responsibilities and the extracurricular expectations of the classroom teacher.

*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a “C” or better in all EDU program courses, completion of all the minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.*

### **4424 Elementary Student Teaching – Intermediate/Half-semester – Professional Development School Placement**

*6 credits*

An internship teaching in an elementary Professional Development School (PDS). Experiences involve full-time teaching with all related planning responsibilities and the extracurricular expectations of the classroom teacher.

*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a “C” or better in all EDU program courses, completion of all the minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.*

### **4425 Elementary Student Teaching – Full Semester – Professional Development School Placement**

*12 credits*

An internship teaching in an elementary Professional Development School (PDS). Experiences involve full-time teaching with all related planning responsibilities and the extracurricular expectations of the classroom teacher.



*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of all the minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.*

#### **4432 Secondary Student Teaching (Middle School)**

*6 credits*

An internship teaching in a middle level Professional Development School (PDS). Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvements of the professional teacher.

*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.*

#### **4434 Secondary Student Teaching (High School)**

*6 credits*

An internship teaching in a Professional Development School (PDS) at the high school level. Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvements of the professional teacher.

*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.*

#### **4442 Student Teaching (P-6 Art, Choral & Instrumental Music, or Physical Education)**

*6 credits*

An internship teaching in an elementary Professional Development School (PDS). Experiences proceed from introductory participation to the assumption of full teaching

assignment with all related planning responsibilities and the extracurricular involvements of the professional teacher.

*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of all minor requirements leading to student teaching, and permission of the Education Department. There is an extra fee for this course.*

#### **4444 Student Teaching (7-12 Art, Choral and Instrumental Music, or Physical Education)**

*6 credits*

An internship teaching in a secondary Professional Development School (PDS). Experiences proceed from introductory participation to the assumption of full teaching assignment with all related planning responsibilities and the extracurricular involvement of the professional teacher.

*Prerequisites: Praxis I, a minimum 2.75 GPA overall and in the academic major, a "C" or better in all EDU program courses, completion of 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 (Department Chair), Panek, Regis, and Sapora; Associate Professors Bendel-Simso, R. Carpenter, and Kachur; Assistant Professors Dobson, Jasken, and Williams-Forsen; Senior Lecturers S. Seibert and Spence; Adjunct Lecturers Breslin, Kohl, Morton, Myers, Sevik, and Walker.

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 for dual majors with Communication, History, Political Science, and Theatre Arts.*

### *Departmental Honors*

To receive Honors in English, a student must

- Have a grade point average of 3.50 or above in all courses taken in the major;
- Earn an "A" in ENG 4492 and 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 Romanticism  
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  
complete listing of elective courses.

#### MAJOR FOR TEACHER CERTIFICA- TION IN ENGLISH (52 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  
SLM 3318 Adolescent Literature

#### 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 2295, 3395, 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 2295, 3395, 4495 Internship in English  
And one course chosen from  
ENG 2208 Advanced Composition  
ENG 2210 Media and Politics  
ENG 2212 Professional Communication

*Contact Mr. Dalton.*

#### MINOR IN LITERATURE (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 deter-  
mined by the English department.

### **1101 Introduction to College Writing: the Argument**

*4 credits*

Instruction in how to write clear, correct, and  
effective expository prose; practice in careful,  
analytical reading of significant literature;  
training in research techniques. Placement  
determined by the English department.

## 1102 Writing about Literature

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.

## **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.

Offered in alternate years.

## **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.

Offered in alternate years.

## **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.

Offered in alternate years.

### *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 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 alternate years.

## 2233 Romantics

*4 credits*

A survey of the revolutionary literature of the late 18th- and early 19th-century "Romantic" movement in England. Students will explore Romantic poetry and prose in its historical context, beginning by examining how writers both perpetuate and rebel against Enlightenment ideas, and ending by considering how their legacy is felt today. Authors studied include Godwin, Wollstonecraft, Blake, Wordsworth, Coleridge, Mary Shelly, P.B. Shelly, and Keats.

Humanities.

Offered in 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 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 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 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 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 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 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 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 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 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 in 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 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.*

### **2265; 3365 Special Topics in English**

*4 credits*

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

### **2295; 3395; 4495 Internship in English**

*0-4 credits*

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

### **2298; 3398; 4498 Independent Studies in English**

*0-4 credits*

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

### **4492 Senior Seminar**

*4 credits*

The Capstone to the English major emphasizes techniques and methods of literary criticism. Seniors explore different themes, genres, or topics each semester, and prepare a major papers.

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

## **ENVIRONMENTAL POLICY AND SCIENCE**

Professors: Alspach, Iglich (co-director), Neal and H.Smith; Associate Professors: Franke (co-director) and Leahy; Assistant Professors: Harrison, Johnson-Ross and Marx; Adjunct Lecturer Owens.

Areas of particular teaching interest: Professor Alspach: marine biology, comparative physiology of vertebrates and invertebrates, physiological ecology; Professor Franke: security studies, international relations, research methods; Professor Harrison: geology, climatology, environmental chemistry; Professor Iglich: ecology, environmental health, botany; Professor Johnson-Ross: African politics, gender and ethnic issues; Professor Leahy: comparative politics of Western Europe, developing and communist nations, methodology of comparative politics; Professor Marx: physics education research; Professor Neal: judicial process, political theory, and American political behavior; Professor Smith: state and local governments, public administration, national and Maryland elections.

Environmental problems arise from the complex interactions between ecological and physical systems, and the social, economic,

political and cultural forces that shape the world in which we live. Finding solutions to environmental problems requires well-trained scientists, researchers, policy makers, planners, resource managers, and other specialists who can understand these system interactions and who can develop solutions that draw from a variety of disciplines. To help meet this challenge, our mission is to promote environmental sustainability through an interdisciplinary academic program anchored in both the natural and physical sciences, and in the social sciences.

The Environmental Policy and Science program (EPS) was designed to offer students a liberal arts experience that addresses a diversity of environmental issues, while providing detailed training in specific fields. After graduation, students may pursue graduate studies in a number of disciplines or follow career paths as policy analysts, environmental consultants, environmental health specialists, urban or regional planners, science educators, or naturalists. Our graduates will serve in a variety of local, state, or federal agencies, as well as for-profit and not-for-profit organizations.

*Please see the Education section under Curriculum in this catalog for teacher certification requirements in Environmental Policy and Science.*

### *Specializations in the EPS Major*

Students majoring in EPS can choose from several program specializations including Environmental Policy or Environmental Science with an emphasis in either Biology or Analysis (chemistry).

At the completion of the EPS core, students may elect one of two strategies:

1. complete the EPS major, choosing another six courses from the Policy specialization or from the Science specialization (Biology, Chemistry, or Physics).
2. complete the major requirements for a specific discipline, which aligns with an environmental focus (Political Science or Economics).

This core group also serves as the requirements for the Minor in Environmental Policy and Science.

### *Environmental Policy and Science Core Group and Minor Requirements*

Core choices from Sciences:

GSC 1131 Environmental Problem Solving

GSC 1116 Energy and the Environment

GSC 1117 Environmental Geology

Core choices from Policy

PSI 2215 Environmental Policy

PSI 1101 Introduction to Political Science

EPS 2206 Sustainability

EPS: 3104 Environmental Systems Analysis: Modeling & GIS

This upper-level skills-based course can be taken to fulfill either a science or policy alternative.

### ENVIRONMENTAL POLICY AND SCIENCE MAJOR (50 HRS) – ENVIRONMENTAL POLICY SPECIALIZATION

Six courses chosen from: (24 hours)

GSC 1131 Environmental Problem Solving

GSC 1116 Energy and the Environment

GSC 1117 Environmental Geology

PSI 2215 Environmental Policy

PSI 1101 Introduction to Political Science

EPS 2206 Sustainability

EPS 3104 Environmental Systems Analysis: Modeling & GIS

(This upper-level skills-based course can be taken to fulfill either a science or policy alternative.)

Six courses chosen from: (24 hours)

PSI 2207 American Public Policy

PSI 3305 Public Administration

PSI 3310 Politics of Developing Area

PSI 2219 Research Design and Methods

EPS 3104 Environmental Systems Analysis (can not be counted as one of 6 core requirements also)

EPS 2204 History of the Environmental Movement

SOC 2203 Urban Sociology

EPS 3102 Risk in Environmental Decisions

PSI 2201 American Political Institutions

PSI 2202 State and Local Government

BIO 3350 Bioethics

EPS 4494 Senior Seminar (internship)



## ENVIRONMENTAL POLICY AND SCIENCE MAJOR WITH SPECIALIZATION IN ENVIRONMENTAL BIOLOGY

### *Environmental Biology*

This specialization is for students who wish to work with biota and treats issues such as conservation and remediation, or ecosystem dynamics (including marine biology, landscape biology, and forestry). Here the emphasis is on gaining both a biological and chemical background required for most graduate programs or for employment in consulting, conservation, toxicology or environmental regulation.

### *Recommended courses for Environmental Biology*

GSC 1116 Energy and the Environment or  
GSC 1131 Environmental Problem Solving  
GSC 1117 Environmental Geology \*  
BIO 1111, 1112 Principles of Biology I, II \*  
BIO 2209 Environmental Health or BIO  
2217 Ecology \* or BIO 2234 Marine  
Biology

Additional four Advanced Biology electives  
(may include biology choices given above;  
selection of "Advanced Biology electives"  
will be guided through advising and interest  
of the student)

EPS/CHE 2203 Environmental Chemistry  
PSI 1101 Introduction to Political Science  
PSI 2215 Environmental Policy  
EPS 2206 Sustainability  
EPS 3104 Environmental Systems Analysis  
EPS 4494 Senior Seminar

\* *Denotes Laboratory courses.*

## ENVIRONMENTAL POLICY AND SCIENCE MAJOR WITH SPECIALIZATION IN ENVIRONMENTAL ANALYSIS (50 CREDITS)

### *Environmental Analysis (50 Credits)*

This specialization is for those students who will be assessing the amount and impacts of pollution and the remediation of these problems. These students require a strong background in chemistry and toxicology.

GSC 1116 Energy and the Environment or  
GSC 1131 Environmental Problem Solving  
CHE 1101, 1102 Introductory Chemistry I,  
II \*

PSI 1101 Introduction to Political Science  
EPS/CHE 2203 Environmental Chemistry \*  
Three Advanced Chemistry electives (the  
selection of advanced Chemistry electives  
will be guided through advising and interest  
of the student)

PSI 2215 Environmental Policy  
EPS 2206 Sustainability  
EPS 3104 Environmental Systems Analysis  
GSC 1117 Environmental Geology \*  
EPS 4494 Senior Seminar

A suggested elective course is Environmental  
Health (BIO 2209)

\* *Denotes Laboratory courses*

### *The Senior Capstone Experience*

Independent of the major specialization, in  
their final year students will undertake an  
internship or an environmentally related  
research project, which they will present in a  
communal EPS senior seminar. The  
Environmental Senior Seminar (EPS 4494)  
will use the current Biology/Chemistry senior  
requirement as a model.

McDaniel College's location in the greater  
Washington-Baltimore region allows us to  
offer a number of valuable internship opportunities  
through government and consulting  
agencies. We also hope to encourage students  
to take part in the institution's Washington  
Partnership Internship Program.

Additionally, there are many opportunities for  
students to take part in internationally based  
courses and internships, for example, the  
Field Studies Program and the Political  
Science Semester in Washington, DC (either  
through the American University or through  
George Washington University).

### *Environmental Minor (24 hours)*

Six courses chosen from:

GSC 1131 Environmental Problem Solving  
GSC 1116 Energy and the Environment  
GSC 1117 Environmental Geology  
PSI 2215 Environmental Policy  
PSI 1101 Introduction to Political Science

EPS 2206 Sustainability

EPS 3104: Environmental Systems

Analysis: Modeling & GIS

### *Environmental Policy and Science Course Descriptions (EPS)*

#### **1116 Energy and the Environment**

##### *4 Credits*

Consumption of energy resources maintains and advances civilizations. Working from basic physical concepts and models of depletion and growth, we'll learn how the human race exploits available renewable and non-renewable resources. We will also compare the relative advantages and disadvantages of various means of energy extraction, generation, and distribution associated with such energy sources as fossil fuels, solar, biomass, and nuclear. Finally, understanding energy also means considering environmental impacts. To this end, we'll explore how energy extraction and consumption impact our Earth's biosphere, hydrosphere, and atmosphere.

*Prerequisite: Math Proficiency*

Natural Science and Mathematics

#### **1117 Environmental Geology**

##### *4 Credits*

This course will examine the nature of the Earth and of the processes that shape it. A study of minerals and rocks, surface features, geologic structures, various erosional and depositional processes, and plate tectonics. Emphasis is placed on earth processes that either affect or control our environment. Particular attention is paid to the geological history of Maryland and the mid-Atlantic region. The laboratory provides students a hands-on approach to learning about mineral and rock identification; topographic and geologic map reading, geologic time, geologic processes and environmental geology.

Course includes laboratory

Natural Science and Mathematics

#### **1131 Environmental Problem Solving**

##### *4 Credits*

An introductory and interdisciplinary study of environmental problems, which considers world populations, energy, air and water pollution, sustainable agriculture, biodiversity

and environmental health. Class discussion will center on solutions including technical and human behavioral modifications that can lead to the sustainable use of our environment.

#### **2203 Environmental Chemistry**

##### *4 Credits*

This course will focus on chemical cycles in the Earth's natural environment. Topics introduced will include aqueous environmental chemistry, including water pollution and treatment, and atmospheric environmental chemistry, including air pollution, smog, and greenhouse gases. Additional topics covered will be soil chemistry, energy sources, and hazardous wastes. Laboratory exercises will address current environmental questions and students will learn specific instrumental and laboratory techniques in the chemical analysis of natural materials including rocks, soil, and water. Course includes laboratory

*Prerequisites: CHE 1101, CHE 1102*

#### **2204 History of the Environmental Movement**

##### *4 Credits*

An exploration of the origins, evolution and nature of the American environmental movement. Topics will include the major events, philosophies, and leaders that marked and continue to drive various competing attitudes towards the environment and public health. The course should be interesting to any student wanting to learn more about the influence of social movements on public policies, societal values, and personal life-style choices.

#### **2206 Sustainability**

##### *4 Credits*

This course will introduce students to the implications of and approaches to sustainability: meeting the needs of the present without compromising the ability of future generations to meet their needs. Through discussion, lecture, readings, and field trips, students will address the questions of what resources need to be shared, ethics and methods of equitable distribution, and the scientific and social accounting of those resources. Students will also explore emerging fields of endeavor that tend toward sustainability,

including permaculture, bioregionalism, environmental and natural building, ecological engineering, green business, and international agreements.

### **3102 Risk and Environmental Decisions**

#### *4 Credits*

An investigation of the influence of risk in environmental decision-making and regulations. The course will examine how society determines which risks are acceptable and which are not and how these conceptions of risk are integrated into a wide range of federal environmental regulations including air and water pollution, worker safety, and pesticide regulations. Specific topics will include the tools of risk assessment, risk-benefit analysis, and the role and methods of our governmental institutions in addressing the risks faced by society. General lessons can be drawn to all areas of public policy.

### **3104 Environmental Systems Analysis: Modeling and GIS**

#### *4 credits*

Systems modeling and GIS (Geographic Information Systems) are two critical quantitative analytical techniques used by environmental scientists, policy makers and economists in decision-making. Dynamic systems' modeling allows investigators to analyze complex systems and predict behaviors. GIS technology integrates common database operations such as query and statistical analysis with the unique visualization and geographic analysis benefits offered by maps. Course includes laboratory

*Prerequisites: GSC 1131 and PSI 2215*

### **4494 EPS Senior Seminar**

#### *1 credit*

Students will formally present a report from an internship program or independent research project that is focused on a specific environmental problem. This course is the capstone experience in EPS and is required of all EPS majors.

## **EXERCISE SCIENCE AND PHYSICAL EDUCATION**

Professors J.R. Carpenter and Ober (Department Chair); Associate Professor McCole; Lecturer Hyman; Coach Lecturers Dull, Easterday, 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 career options are offered in specific professional areas of Exercise Science and Physical Education such as teaching certification in elementary-secondary school physical education. This K-12 certification program is approved by the Maryland State Department of Education. Career training for coaching, sports medicine, sports management, and the health and leisure industries, as well as preparation for graduate education are available. Students with diversified career interests may build on the basic major in directions consistent with their objectives.

Options in Exercise Science and Physical Education are offered through minors in athletic training, outdoor education, sports coaching, sports journalism, sports management, and sports science. A dual major, Exercise Chemistry, is offered within the Chemistry Department.

#### *Activity*

McDaniel College requires that each student demonstrate competence in 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 compe-

tence through current professional certification, skill testing, intercollegiate sports, or by successfully completing physical activity courses.

Many activity courses will be offered each semester including a variety of special topics. A list of specific courses to be offered in a particular semester is provided at the time of registration.

Students who satisfy all or part of the physical education requirement through certification, testing, or athletic participation receive course exemptions, not course credit. A student may not receive credit for an activity in which competency has already been demonstrated nor can a student receive credit twice for the same activity.

McDaniel College accepts no financial responsibility for injuries resulting from participation in physical education activities.

The course offerings of the Department of Exercise Science and Physical Education fall into two categories: activity courses and theory courses.

Activity courses give students a wide variety of fitness and skill experiences. Golf, skiing, backpacking, weight training, and aerobic dancing are among the varied offerings from which students may choose. The College requires that each student demonstrate proficiency in activities that fall into two categories: 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 many of these courses add depth to their chosen major field of study or enhance career preparation.

EPE majors or non-majors may also want to fulfill one or more of the EPE Department's minors (see list and requirements below) to enhance their educational and career goals.

*Please see the Education section under Curriculum in this catalog for teacher certification requirements in Exercise Science and Physical Education.*

*Please see the Dual Major section of the Catalog for the Exercise Chemistry option.*

### Departmental Honors

An application for departmental honors must be filed prior to the end of the second week of classes in the semester in which graduation is anticipated. A student must have:

- a 3.50 GPA in all courses taken in the major
- submit an appropriate paper of suitable academic quality
- receive a recommendation from the EPE Department faculty

### BASIC MAJOR (39-43 HRS.)

- EPE 1211 History & Philosophy of Physical Education & Sport
- EPE 1245 Sport in American Society
- EPE 2230 Biomechanics & Applied Anatomy
- EPE 2223 Motor Development or
- EPE 2240 Sport Behavior
- EPE 3222 Physiology of Exercise
- EPE 4492 Senior Capstone (1 credit)
- Four EPE activities beyond BLAR
- BIO 1111 Principles of Biology I
- BIO 2211 Human Physiology
- CHE 1121 Essentials of General, Organic, & Biochemistry or
- CHE 1101 Introductory Chemistry I: Structure & Bonding
- CHE 1102 Introductory Chemistry II: Chemical Reactivity (recommended, not required)
- PSY 1106 Introduction to Psychology

### Suggested First Semester Schedule

- EPE 1211 FYS History & Philosophy of Physical Education & Sport or another First-year Seminar
- ENG 1101 Composition & Reading I
- Foreign Language 1101 or 1103
- PSY 1106 Introduction to Psychology or
- BLAR (Humanities/Global Perspective) or
- BIO 1111 Principles of Biology I

## MINOR IN ATHLETIC TRAINING (24-25 HRS.)

EPE 1141 Fundamentals of Exercise & Conditioning-for non EPE majors (1 credit)

EPE 2225 Prevention & Care of Athletic Injuries

EPE 2230 Biomechanics

EPE 3306 Advanced Athletic Training

EPE 3307 Practicum in Athletic Training

EPE 3325 Nutrition

One course from:

EPE 2215 Adapted Physical Education

EPE 2238 Sport Coaching & Management

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

## MINOR IN OUTDOOR EDUCATION (26 HRS.)

EDU 1111 Learning in a Diverse Society or

EDU 1141 Teaching & Learning in a Diverse Society

EPE 1211 History & Philosophy of Physical Education & Sport

EPE 2215 Adapted Physical Education

EDU3349 Curricular Models in Elementary Physical Education

EPE 3398 Independent Studies in EPE

EDU 2273 Outdoor Education Practicum (January Term) (2credits)

At least six activities from:

EPE 1018 Orienteering, EPE 1043

Creative Rhythms & Dance, EPE 1067

Archery, EPE 1068 Backpacking,

EPE 1073 Casting, EPE 1074 Canoeing,

EPE 1078 Kayaking, EPE 1082

Rappelling or EPE 1083 Rock

Climbing,

EPE 1176 Lifeguarding or EPE 1178

Water Safety Instructor

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

## MINOR IN SPORTS COACHING (24-25 HRS.)

EPE 1141 Fundamentals of Exercise & Conditioning-for non-EPE Majors (1 credit)

EPE 1245 Sport in American Society

EPE 2225 Prevention & Care of Athletic Injuries

EPE 2238 Sports Coaching & Management

EPE 2240 Sport Behavior

PSY 2209 Child & Adolescent Development 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 1103 Introduction to Journalism

ENG 2204 Advanced News Reporting

One course from:

COM 1102 Interpersonal Communication

COM 1103 Mass Comm.

COM 1110 Public Speaking

ENG 2205 Media Ethics

EPE 2295 Internship in EPE or ENG

2295 Internship in ENG

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

## MINOR IN SPORTS MANAGEMENT (24 HRS.)

Three courses from:

EPE 1245 Sport in American Society

EPE 2238 Sports Coaching & Management

EPE 3395 Internship in EPE

EPE 3398 Independent Studies in EPE

Three courses from:

BUA 1101 Principles of Accounting

BUA 2205 Legal Environment of Business

BUA 2209 Prin. of Marketing

BUA/PHI 2210 Ethics & Business

BUA 2214 Principles of Management

BUA 4323 Corporate Finance & Financial Management

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

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

BIO 1111 Principles of Biology I

BIO 2211 Human Physiology

CHE 1121 Essentials of General, Organic & Biochemistry or



CHE 1101 Introductory Chemistry I:  
Structure & 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  
Anatomy  
EPE 2240 Sport Behavior  
EPE 3222 Physiology of Exercise  
EPE 3325 Nutrition

One course from:

CHE 2217 Organic Chemistry I  
PHY 1101 General Physics I  
PSY 2201 Psychology of Learning  
PSY 3303 Psychology of Personality  
PSY 3305 Health Psychology

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

*Exercise Science and Physical Education Course  
Descriptions (EPE)*

## Physical Education Activity

0.5 credit

Instruction in the fundamental skills and  
basic knowledge of the activity named.  
Each activity meets approximately 15 hours.

*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 EPE activities meets  
approximately 30 hours per semester and car-  
ries 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 exer-  
cise 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 throughout the human lifespan. Topics include energy nutrients, vitamins, minerals, recommended dietary allowances, and weight control. Fad diets, nutritional supplementation, and the world's food supply are also examined.

*Prerequisite:* Mathematics 1001 or 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; 3365 Special Topics in Exercise Science and Physical Education

4 credits

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

## **2295; 3395 Internship in Exercise Science and Physical Education**

*0-4 credits*

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

## **2298; 3398 Independent Studies In Exercise Science and Physical Education**

*0-4 credits*

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

## **FOREIGN LANGUAGES**

Professors Deveny and Motard-Noar (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, Germany, Latin America and Spain, and found jobs in a variety of different contexts.

Recognizing that the study of language is essential to liberal arts education, the Department is committed to the goal of providing a sequence of courses leading to competence in a foreign language. Specialization in a language may take the form of a major, thus preparing a student for graduate work in the field, or it may be combined with Education courses for secondary school teaching (middle/ high school). Competence in a foreign language is increasingly important in other fields as well and provides a desirable dual major in combination with areas such as Economics/ Business Administration, Communication, Sociology, History, and Political Science.

Several opportunities to enrich the academic program are provided both on and off campus. Students are encouraged to explore the opportunities for the language houses in the affinity housing program, to participate in language clubs, and to take advantage of the many special events such as film series and social activities which focus on foreign cultures. The Department requires students majoring in Foreign Languages either to live

in language housing on campus for one year or to live abroad for one semester. January Term trips provide short-term study tours of major French-, Spanish-, or German-speaking countries. The College also grants full academic credit for a number of programs that sponsor a summer, a semester, or a year abroad. Information on such programs is available from the Director of Study Abroad at the International Programs Office. .

Other Educational Options in Foreign Languages: Dual majors with another language, Business Administration, Communication, Economics, History, Political Science, Sociology or Secondary Teacher Certification (middle/high school). The department also offers minors in French, German, Latin and Spanish. Only one course in English may count toward the major or the minor in French, German or Spanish. Courses in Greek or Latin may count toward a minor in Classical Civilization. Up to 12 credits may be waived toward a major or minor in a Foreign Language through the College-administered placement examination, which is taken before beginning classes as a first-year student.

*Please see the Education section under Curriculum in this catalog for teacher certification requirements in each Foreign Language.*

*Please see the Dual Major section for dual majors with Business Administration, Communication, Economics, History, Political Science and Sociology.*

#### *Departmental Honors*

See the Department Chair 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.)

Students may take one optional course in English, such as:

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  
(or any FRE 2000-level courses), depending upon placement

### MINOR IN FRENCH (24 HRS.)

FRE 1101 Elementary French  
FRE 1102 Elementary French  
or for both FRE 1103 Advanced Elem.  
French

(Students placing at the 2000 level or higher are exempt from taking lower level courses.)

FRE 2211 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

Students may take one optional course in English, such as:

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.)



Students may take one optional course in English, such as:  
 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, (or any GER 2000-level course) depending upon placement

MINOR IN GERMAN (24 HRS.)

GER 1101 Elementary German I  
 GER 1102 Elementary German II  
 or for both GER 1103 Advanced Elem. German  
 (Students placing at the 2000 level or higher are exempt from taking lower level courses.)  
 Students may take one optional course in English, such as:  
 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.)  
 Students may take one optional course in English, such as:  
 SPA 1131 Cultural History of Spain  
 or SPA/CCS/HIS 2223 Cultural History of Latin America  
 or SPA 1125 Studies in Hispanic Literature in English Translation

SPA 2211 The Hispanic World: Language & Society

SPA 2212 The Hispanic World: Language & Society or any 2000-level course in Spanish

SPA 2224 Spanish Conversation and Composition I

One or more of the following:

SPA 3305 Introduction to Literary Analysis

SPA 3306 Spanish Literature I

SPA 3320 Spanish/English Translation or any 3000-level course in Spanish

SPA 3324 Spanish Conversation and Composition II

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 (or any SPA 2000-level course), depending upon placement

#### 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.)

Students may take one optional course in English, such as:

SPA 1131 Cultural History of Spain

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

or SPA 1125 Studies in Hispanic Literature in English Translation

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 is affiliated with several Study Abroad programs in Greece, Italy, Spain, Central and South America, France, Germany, Austria, and Switzerland. Programs in French-speaking Africa are also available. The Department can approve attendance at other programs in France, Germany, Spain, or another Hispanic country. For more information, see the 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*

**ARABIC (ARB)**

**1101, 1102 Elementary Arabic**

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to Arabic used both as the medium of communication and the object of study. It enables the student accurately to express his or her daily experiences in spoken and written Arabic, and to understand communications of a moderate level of difficulty. Foreign Language.

**FRENCH (FRE)**

**1101, 1102 Elementary French**

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to French used both as the medium of communication and the object of study. It enables the student accurately to express his or her daily experiences in spoken and written French, and to understand communications of a moderate level of difficulty. 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. This course encompasses material presented in FRE 1101 and 1102. 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.) This course is taught in English. Humanities.

**2100 Introduction to Business French**

4 credits

An Intermediate-level language course stressing all four language skills (reading, writing, speaking, and listening) in the contexts of professional situations.

*Prerequisite:* French 1102 or 1103 Foreign Language

**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 1102 or any FRE 2000 level course. 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:* any French 2000 level course.

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:* any French 2000 level course.

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:* any French 3000 level course.

### 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:* any French 3000 level course.

### 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.

*Prerequisite:* any French 2000 level course.

### 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<sup>e</sup> siècle.

*Prerequisite:* any French 3000 level course.

### 2265; 3365; 4465 Special Topics in French

4 credits

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

### 2295;3395; 4495 Internships in French

0-4 credits

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

### 2298; 3398; 4498 Independent Studies in French

0-4 credits

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

### GERMAN (GER)

### 1101, 1102 Elementary German

4, 4 credits

The acquisition of oral/aural skills through intensive exposure to German used both as the medium of communication and the object of study. It enables students to express their daily experiences accurately in spoken and written German, and to understand communications of a moderate level of difficulty. 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. This course encompasses material presented in GER 1101 and 1102.  
Foreign Language.

### **1111 German Cinema**

*4 credits*

This class will explore 20th-century German identity, culture, history, and politics through film analysis and readings. This class will view and discuss 14 German films that were made between 1919 and 1999. This course will be taught in English. All readings are in English. All films are either in English or in German with English subtitles.  
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 German 1103.*

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:* any German 3000 level course.

**3320 German/English Translation***4 credits*

Practice in the art of rendering a text from one language to another using both literary and non-literary sources. This course will include a study of advanced German grammar and written translation of materials from the student's field of study.

*Prerequisite:* German 2212 or permission of the instructor.

**3331 German for International Business***4 credits*

A review and expansion of 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:* any German 3000 level course except 3320.

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

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

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

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

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

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

*GREEK (GRK)***1101, 1102 Elementary Greek***4, 4 credits*

Introduction to the grammar and vocabulary of Ancient Greek with emphasis on the development of reading skills. The courses include an overview of ancient Greek history, literature and culture, as well as beginning readings in ancient texts.

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)*

### **1001 Basic Hungarian (offered every Spring semester)**

*2 credits*

An introduction to the Hungarian language, history, and culture.  
Foreign Language.

## *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; 3365 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; 3398 Independent Studies in Latin**

*0-4 credits*

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

## *SPANISH (SPA)*

### **1101, 1102 Elementary Spanish**

*4, 4 credits*

The acquisition of oral/aural skills through intensive exposure to Spanish used both as the medium of communication and the object of study. It enables students to express their daily experiences accurately in spoken and written Spanish, and to understand communications of a moderate level of difficulty.  
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. This course encompasses material presented in SPA 1101 and 1102.  
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.

### 2224 Composition & Conversation I

4 credits

An opportunity to improve speaking and writing skills in Spanish. This course will include grammar review and specific vocabulary.

*Prerequisite: Spanish 2212 or permission of the instructor.*

Foreign Language.

### 3305 Introduction to Literary Analysis

4 credits

Critical methodology and vocabulary to do textual analyses in different literary genres. This course will familiarize students with

major representative works of Spanish and Spanish American Literature.

*Prerequisite: SPA 2212 or permission of the instructor.*

Foreign Language and Humanities

### 3306 Spanish Literature I

4 credits

The first half of a chronological study of Spanish literature. Students will become familiar with the most important writers of the period.

*Prerequisite: SPA 3305 or permission of the instructor.*

Foreign Language and Humanities

### 3307 Spanish Literature II

4 credits

The second half of a chronological study of Spanish literature. Students will become familiar with the most important writers of the period.

*Prerequisite: SPA 3306 or permission of the instructor.*

Foreign Language and Humanities

### 3308 Spanish American Literature

4 credits

The first half of a chronological study of Latin American literature. Students will become familiar with the most important writers of the period.

*Prerequisite: SPA 3305 or permission of the instructor.*

Foreign Language and 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 3301.*

### 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.*

## 3324 Composition & Conversation II

4 credits

An opportunity to improve speaking and writing skills prior to entering advanced level classes in Spanish. This course will review finer points of grammar at advanced level.

*Prerequisite:* Spanish 2224 or permission of the instructor

Foreign Language

## 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.

*Prerequisites:* Spanish 3301.

## 2265; 3365; 4465 Special Topics in Spanish

4 credits

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

Foreign Language.

## 2295; 3395; 4495 Internships in Spanish

0-4 credits

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

## 2298; 3398; 4498 Independent Studies in Spanish

0-4 credits

Directed study planned and conducted with reference to the needs of those students who are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

## FORENSIC SCIENCE

No major is offered in this field. A minor in Forensic Studies is offered through the departments of Chemistry and Sociology.

Contacts: 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 or CHE appropriate course approved by the program directors

BIO 1111 Principles of Biology I or BIO

appropriate course approved by the program directors

Recommended but not required ENG 3308

Writing in Law and Policy

## GENERAL SCIENCE

Professors Alspach, Herlocker, Iglich, Pagonis, and R. Smith; Associate Professors Mian, Mitschler, and Wladkowski; Assistant Professors Marx and Nilsson; Lecturer M. Smith, Adjunct Lecturers 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 Earth, and the process of evolution. The search for extraterrestrial life, extraterrestrial intelligence, habitable worlds, and the cosmic cataclysms that threaten our continuing existence will also be discussed. Current NASA missions that are devoted to this pursuit will be highlighted. The lecture material will be augmented by in-class videos and "mini-labs."

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; 3365; 4465; Special Topics In General Science**

*4 credits*

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

## **2295; 3395; 4495; Internships In General Science**

*0-4 credits*

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

## **2298; 3398; 4498 Independent Studies in General Science**

*0-4 credits*

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

## **GEOGRAPHY**

The course in Geography is offered in conjunction with the college education department. 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 biologi-

cally, 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 (Department Chair); Associate Professors D. Evergates, P. Miller; Assistant Professors de Pee and Upton; Visiting Assistant Professor Jakob Zejmis

Areas of particular teaching interest:

Professor T. Evergates: medieval and early modern Europe; Professor D. Evergates: Greek and Roman history, women's history; Professor Miller: modern Europe; Professor Upton: modern America, African-American history, Professor 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 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.

## **2221 The Chinese Renaissance**

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

Global Perspective, Humanities.

Cross-listed as Cross-Cultural Studies 2221.

## **2222 Gender and Society in America, Past and Present**

*4 credits*

An examination of women's experiences in American society with special emphasis on attitudes toward sex, the family, the workplace, and the political arena in order to explore the interaction between context and ideology in the process of social change. 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.

## **2231 History of East Asia to 1600**

*4 credits*

Survey of the history of China, Korea, and Japan, from mythical times to 1600.

Although this survey outlines the individual histories of China, Korea, and Japan, it emphasizes the cultural continuities and historical interactions that have made "East Asia" a coherent cultural region: shamanism, writing systems, rituals of kingship, Buddhism, Confucianism, literature and visual arts, technological development, travel, commerce, and war.

Global Perspective, Humanities.

Cross-listed with Cross-Cultural Studies 2231.

## **2232 History of East Asia since 1600**

*4 credits*

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

Global Perspective, Humanities.

Cross-listed with Cross-Cultural Studies 2232.

## **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.

### 3330 Brushes with Power: Text and Writing in Imperial China

4 credit hours

The power of the written word in ancient and imperial China, 1600 BCE – 1912 CE. Writing does not merely serve to record facts, nor are texts simply vehicles of information. Rather, writing is a cultural practice and a text is an historical object, both possessed of the power to affect human interaction and transform the physical landscape. Through a combination of scholarly articles and translations, this course explores topics such as bronze inscriptions and political legitimacy, stone inscriptions and ritual performance, writing and truth in miracle tales, writing and merit in Buddhist scriptures, calligraphy and authorial presence, writing and virtue in female poetry, and transformations of text and reading in the age of printing. Global Perspective, Humanities.

### 3331 Gender and the Family in China

4 credits

Examination of the changing constructions of gender and the shifting configurations of the family, from imperial times to the present. Primary sources (in translation) and secondary literature together convey how changing notions of kinship, property, ritual, space, and the body have informed notions of gender in China, from the traditional courtyard house to the modern high-rise apartment. Global Perspective, Humanities. Cross-listed with Cross-Cultural Studies 3331.

### 4492 History Colloquium

4 credits

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

*Prerequisite: History 3398, a one-credit Independent Study in the preceding semester.*

### 1165; 2265; 3365; 4465 Special Topics in History

4 credits

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

### 2295; 3395; 4495 Internships in History

0–4 credits

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

### 2298; 3398; 4498 Independent Studies in History

0–4 credits

Directed study with permission of the Department.

## HUMAN RESOURCES DEVELOPMENT

No major is offered in this field. A minor in Human Resources Development is offered through the Department of Psychology.

### HUMAN RESOURCES DEVELOPMENT MINOR (24 HRS.)

*Required:*

PSY 1106 Introduction to Psychology or  
SOC 1104 Introduction to Global Societies

PSY/BUA 2220 Psychology in the Workplace  
SOC 2410 Work and Occupations  
Internship or Independent Study in Human Resources Development (4 credits.)

Two courses from:

COM 3326 Organizational Communication

BUA 2214 Principles of Management

BUA/SOC/SWK 3325 Managing Systems in a Macro-Environment

BUA/PHI 2210 Ethics & Business

BUA/PSI 3305 Public Administration

PSY 2265 Topics in Psychology (Course must emphasize industrial or organizational issues)

PSY 2204 Social Psychology

*Recommended:*

STA 2215 Elem. Statistics for Social Science  
PSY 2223 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 offerings each semester. The following courses appear regularly in the curriculum.

### **1107, 1108 Women in Western Culture** *4, 4 credits*

A two-semester interdisciplinary study of the status and role of women in the western world. The first semester covers the period from pre-classical to the French Revolution. The second semester covers the period from the French Revolution to the present. Heritage Sequence, 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.  
Crosslisted as MUS-1135.

### **1152 (FR) African-American Culture: Three Perspectives**

*4 credits*

This interdisciplinary course explores African-American culture from a literary, musical, and sociological perspective. While these perspectives represent distinct fields of study, they also intersect and complement one another. Exploring a text from various vantage points, provides a fuller context and broadens and complicates its interpretation. Such a multi-disciplinary 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 literary, criminological, and scientific perspective. The literary portion of the course traces the development of the detective as hero, the antagonist as criminal, and the ways in which narrative patterns and societal attitudes have evolved in the Anglo-American detective story since the 1840s. The criminological section of the course focuses on the realities underlying fictional portrayals of crime solving, which vary markedly depending upon the identity of the victim and perpetrator, the setting, and the time period. The forensic section of the course explores the scientific aspect of crime solving. Topics include characterization of a crime scene, analysis of hair and fibers, arson and explosives, forensic serology, DNA testing, fingerprint, firearms, and document and voice analysis.  
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.

## 2215 The Arab World

*4 credits*

In ancient times, the present Arab world was the "cradle of civilization" and the birthplace of Judaism, Christianity and Islam. What is the Arab World today? An unknown and misunderstood world in turmoil. The course will offer an introduction to the history, language, literature, arts and politics of the Arab world in the Middle East and Africa. A special focus will be given to current events since 9/11/2001.

Global Perspective, Humanities.

Cross-listed with Cross-Cultural Studies 2215

## 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) 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.

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: Teacher Certification Secondary (middle/high school). Mathematics can also be combined with other disciplines (e.g., Biology, Business Administration and Economics, Chemistry, Computer Science, Physics, and various social sciences) through dual majors, double majors, or a student-designed major. A minor is available in Mathematics.

*Please see the Education section under Academic Programs in this catalog for teacher certification requirements in Mathematics. Please see the Dual Major section for dual majors with Biology, Computer Science, Economics, Physics.*

### *Departmental Honors in Mathematics*

In order to graduate with honors in Mathematics, a Mathematics major must complete at least two independent studies courses in a single topic over two semesters. Declaration of the intent to graduate with honors must be made to the head of the Department by the beginning of the second semester of independent studies. The project will consist of a paper and a one-hour talk, which must be judged worthy of honors by the Department. The student must also maintain a 3.50 GPA in the Mathematics courses taken.

## BASIC MAJOR (47 HRS.)

MAT 1118 Calculus II

MAT 2218 Linear Algebra

MAT 2219 Calculus III

MAT 2224 Fundamentals of Mathematics

MAT 3305 Introduction to Mathematical Analysis

MAT 3316 Complex Analysis

MAT 4406 Abstract Algebra

MAT 4494 Capstone Experience in Mathematics (1 hr.)

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

## 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 2005-2006 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 nonlinear 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 2005-2006 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 2005-2006 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; 3365; 4465 Special Topics In Mathematics**

*4 credits*

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

### **2295; 3395; 4495 Internships in Mathematics**

*0-4 credits*

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

### **2298; 3398; 4498 Independent Studies In Mathematics**

*0-4 credits*

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

## **MILITARY SCIENCE**

Lieutenant Colonel Brian Feser (Department Chair), Major Michael Feret, Lieutenant Colonel Mark Martin, Master Sergeant Jose Flores, Sergeant First Class James Tennant, Mr. Art Williams.

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

The Army Reserve Officers' Training Corps (ROTC) program has been a part of McDaniel College since 1919 and is one of the oldest programs in the nation. Through this program, men and women are commissioned as Army officers with a rank of Second Lieutenant upon graduation. Students can be guaranteed service as an officer with the Army Reserve or Army National Guard or serve full-time with the Active Army.

The courses are designed to develop the leadership ability of each student. Freshman and sophomore students can enroll in the program without obligating themselves to service to the Army. Freshman courses meet for one hour each week and sophomore courses for two hours. Junior and senior courses are designed for cadets selected by the Professor of Military Science to advance forward to commissioning and meet for three

hours each week. Cadets attend a one day leadership laboratory providing action and experiential learning in military and leadership skills such as rappelling, rifle marksmanship, first aid, patrolling, radio communications, and water survival.

Other optional activities are available for Army cadets including helicopter rappelling, mountaineering, parachuting, winter survival training in Alaska, and temporary assignments in active Army units throughout Korea, Europe, and the United States. Cadets can attend the Leadership Training Course and/or the Leadership Development Assessment Course. These are 4-week summer camps designed to hone military and leadership skills. The Ranger Platoon is a cadet-run organization open to all cadets that specializes in adventure training such as rappelling, patrolling, mountain operations, and river operations. Once each year they compete against 30 other schools in a two-day competition of physical and military events.

Freshman and sophomore students can compete for Army ROTC scholarships worth over \$32,000 per year. These merit scholarships pay \$ 20,000 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. McDaniel College generously supplements the Army's scholarship benefits for all students who are Army ROTC scholarship winners. These additional benefits consist of the remainder of tuition as well as reduced room and board costs.

Non-scholarship cadets entering the junior year and all scholarship recipients are obligated to military service as an Army officer. Non-scholarship cadets receive the 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. The course examines the unique duties and responsibilities of an Army officer. This includes an introduction to the organization and roles of the Army in American society. Students discuss basic leadership traits and skills such as interpersonal communication and team-building. Students also analyze Army values and ethical leadership.

Second Semester: Basic Leadership. The course presents fundamental leadership concepts and doctrine. Students learn effective problem-solving skills and apply active listening and feedback skills. Students also examine factors that influence leader and group effectiveness. An overview of the officer experience is given.

### **2201/2202 Individual and Leadership Studies/ Leadership and Teamwork**

*2.5 credits*

First Semester: Individual and Leadership Studies. Students develop introspective knowledge of self, individual leadership skills, and self-confidence. Students further develop their problem-solving and critical-thinking skills while applying more advanced communication, feedback, and conflict resolution skills.

Second Semester: Leadership and Teamwork. The focus is on self-development guided by knowledge of self and group processes. Course challenges student beliefs, knowledge, and skills. Students learn and execute squad-level battle drills.

### **3301/3302 Leadership and Problem Solving/Leadership and Ethics**

*3 credits*

First Semester: Leadership and Problem Solving. The course examines basic skills that contribute to effective problem solving. Students analyze the role officers played in the transition of the Army from Vietnam to the 21st century. Students learn how to execute the Leadership Development Program. An analysis of military missions and planning

military missions is conducted. Students learn and execute platoon-level battle drills.

Second Semester: Leadership and Ethics. Students probe leader responsibilities that foster an ethical command climate. Focus is on developing leadership competencies, studying leader responsibilities. Students apply techniques of effective written and oral communication. Students learn and execute platoon-level battle drills.

### **4401/4402 Leadership and Management/Officership**

*3 credits*

First Semester: Leadership and Management. The course builds on the Leadership Development Assessment Course experience by focusing on how to solve organizational and staff problems. Students discuss staff organization, functions, and processes. An analysis of leader counseling responsibilities and methods is undertaken. Students also examine principles of motivating subordinates and organizational change by applying leadership and problem-solving principles to complex case studies and simulations.

Second Semester: Officership. Capstone course designed to explore topics relevant to second lieutenants entering the Army. Students learn to describe the legal aspects of decision-making and leadership. They analyze Army operations from the tactical to strategic levels while also assessing administrative and logistics management functions. Finally, students perform platoon leader actions and examine leader responsibilities that foster an ethical command climate.

## **MUSIC**

Professors Boudreaux, Caldwell (Department Chair); Associate Professor Armstrong; Senior Lecturers Eckard, Engler, Kirkpatrick, and Kreider; Lecturer Byrd, Adjunct Lecturers Anderson, Baxter, DiClaudio, Dix, Duree, Dymiotis, Hooks, Horneff, Jenkins, Jimenez, Johnson, Ryon, Seligman, Tilden, 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 for dual majors with Theatre Arts.*

### *Departmental Honors*

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

- Maintain a 3.50 GPA in all music courses.
- Complete a special project to be connected with the senior recital, which must produce a written document. This project may take the form of a lecture-recital, composition and/or arrangement (see Composition Major), or a research paper.
- The student is required to work closely with an advisor on the project, and must formally declare the intent to pursue the project with that advisor and the Department Chair by the mid-terms of the semester before the

semester of the recital. A formal proposal must be approved by the advisor and chair by the end of that semester. Interested students are encouraged to talk with their advisor about this as soon as possible.

Final decision regarding honors status will be based on an acceptable level of quality of the project as determined by the 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

Three Basic Liberal Arts Requirements

Physical Education

*Contact: Dr. Boudreaux, Music*

#### MUSIC - THEORY AND COMPOSITION (56 HRS. PLUS COURSES NEEDED TO PASS PROFICIENCY REQUIREMENTS)

##### *Required Courses:*

MUT 1131 Music Theory I

MUT 1132 Music Theory II

MUT 2201 Advanced Music Theory I

MUT 2202 Advanced Music Theory II

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 composition and/or arranging

In order to better ensure success, students are strongly encouraged to begin their formal study of composing and/or arranging in the first semester of their junior year.

Students are encouraged to begin experimenting in this field as early as possible.

Eight hours of aural skills (as needed for proficiency)



Six hours of piano (as needed for proficiency)  
Eight hours of applied music lessons, one major instrument preferred\*

Participation in a Department musical performance group each semester in residence  
Attendance at a minimum of five (5) departmentally sponsored concerts or recitals per semester

MUS 4205 Capstone - One public recital  
A major composition or research project will be required. This project may be associated with the recital or one of the music theory courses. See department handbook for details.

\*Six of the eight credits in applied music lessons must be on the student's major instrument or voice. The three semesters prior to and including the semester of the senior recital must include applied study on the major instrument (the instrument of the recital). Transfer students must complete four of the eight required applied credits in their program on their major instrument and perform their senior recitals at McDaniel College.

*Suggested First-Year Schedule:*

See Basic Major

*Contact: Dr. Caldwell, Music*

### MUSIC - MUSIC HISTORY (56 HRS. PLUS COURSES NEEDED TO PASS PROFICIENCY REQUIREMENTS)

*Required:*

MUT 1131 Music Theory I  
MUT 1132 Music Theory II  
MUT 2201 Advanced Music Theory I  
MUT 2202 Advanced Music Theory II  
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 proficiency)

Six hours of piano (as needed for proficiency)  
Eight hours of applied music lessons, one major instrument preferred\*

Participation in a Department musical performance group each semester in residence  
Attendance at a minimum of five (5) departmentally sponsored concerts or recitals per semester

MUS 4205 Capstone - One public recital  
A major research project culminating in a paper will be required. This project may be associated with either the recital or one of the Music History courses.

\*Six of the eight credits in applied music lessons must be on the student's major instrument or voice. The three semesters prior to and including the semester of the senior recital must include applied study on the major instrument (the instrument of the recital). Transfer students must complete four of the eight required applied credits in their program on their major instrument and perform their senior recitals at McDaniel College.

*Recommended Courses:*

Two Years of Foreign Language

*Suggested First-Year Schedule:*

See Basic Major

*Contact: Dr. Armstrong, Music*

Music Education; There are two options for students interested in Music Education; a four-year program culminating in a Bachelor's Degree and Certification, or a five-year program culminating in a Master's Degree and Certification. STUDENTS SHOULD BE AWARE THAT THERE ARE SIGNIFICANTLY MORE REQUIREMENTS IN MUSIC COURSES FOR THE MUSIC EDUCATION PROGRAMS THAN IN THE BASIC MUSIC MAJOR. SEE THE EDUCATION SECTION FOR ALL OF THE MUSIC EDUCATION REQUIREMENTS.



## 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 participate in at least one performing ensemble for at least one full academic year.

## MINOR IN JAZZ STUDIES (28 HRS.)

MUT-1131 Music Theory I

MUT-1137 Jazz Theory

MUL-2210 History of Jazz

MUL-2231 Heritage of African-American Music or MUL-2232 Heritage of African-American Music 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 independent study work (jazz-related)

MUS-1140 Jazz Piano Class

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

MUT-1129 Jazz Fundamentals

MUT-2204 Jazz Improvisation

MUT-2205 Jazz Composition and Arranging

## *Music Ensemble Course Descriptions (MUE)*

### **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*

All college symphonic ensemble that performs compositions from all musical styles from the Baroque to the present. The orchestra consists of students from both McDaniel and Carroll Community Colleges as well as community musicians. At least one performance every semester.

*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: THE-1113 OR THE-1151, MUE-1104, and by audition during first week of class.*

Cross-listed with THE-3353.

## *Music Literature Course Descriptions (MUL)*

## **1134 Music Appreciation**

*4 credits*

A study of music through its elements, rhythms, melody, harmony, form, timbre; a survey of various musical styles. Increased listening perception in all types of music is the course goal.

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.

Crosslisted as IDS-1135.

## **1136 History of Rock and Roll**

*4 credits*

This class analyzes Rock and Roll music from its earliest beginnings and influences to the present. A wide array of popular music, topics and artists will be discussed and analyzed.

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: MUL-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 2005-2006 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 CCS-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 THE-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 philoso-

phy, 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 REL-2235.

Offered in spring 2006 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: MUS-1204.*

### *Music Course Descriptions (MUS)*

#### **Applied Music – Private Instruction**

<b>x001</b>	<b>Clarinet</b>
<b>x002</b>	<b>Organ</b>
<b>x003</b>	<b>Classical Piano</b>
<b>x004</b>	<b>Trombone</b>
<b>x005</b>	<b>Violin</b>
<b>x006</b>	<b>Voice</b>
<b>x007</b>	<b>Flute</b>
<b>x008</b>	<b>Baritone Horn</b>
<b>x009</b>	<b>Cello</b>
<b>x010</b>	<b>Jazz Piano</b>
<b>x011</b>	<b>Harpsichord</b>
<b>x012</b>	<b>String Bass</b>
<b>x013</b>	<b>Percussion</b>
<b>x014</b>	<b>Trumpet</b>
<b>x015</b>	<b>Saxophone</b>
<b>x016</b>	<b>Viola</b>
<b>x017</b>	<b>Electric Bass</b>
<b>x018</b>	<b>French Horn</b>
<b>x019</b>	<b>Tuba</b>
<b>x020</b>	<b>Bassoon</b>
<b>x021</b>	<b>Classical Guitar</b>
<b>x022</b>	<b>Jazz Guitar</b>
<b>x023</b>	<b>Recorder</b>

**1001-1024 Applied Music Study I***0.5-2 credits*

Private music instruction for students with basic skills in music reading and technical abilities. All students taking private lessons for the first time will be placed in this level. This level is appropriate for beginning to low intermediate students. Students will study levels 1-3\*\* repertoire. Students working with grade 3\*\* repertoire will be required to take a jury.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit).

An extra tuition fee is charged for lessons.

**2001-2024 Applied Music Study II***0.5-2 credits*

Private music instruction for students with an upper immediate level of music reading and technical abilities. Students will be able to proficiently perform at least one level 4\*\* piece.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit).

An extra tuition fee is charged for lessons.

*Prerequisite: Applied Music Study I, culminating in placement by jury to the 2000 level or permission of instructor.*

**3001-3024 Applied Music Study III***0.5-2 credits*

Private music instruction for students significantly interested in performance. Level of music reading and technical skills approach advanced. Students will be able to proficiently perform at least one level 5\*\* piece.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit).

An extra tuition fee is charged for lessons.

*Prerequisite: Applied Music Study II, culminating in placement by jury to the 3000 level or permission of instructor.*

**4001-4024 Applied Music Study IV***0.5-2 credits*

Private music instruction for students significantly interested in performance at an advanced level. Level of music reading and technical skill is advanced. Students will be

able to proficiently perform at least one level 6\*\* piece.

Lessons are generally offered in half-hour periods (0-.5 credit) or hour periods (1 credit).

An extra tuition fee is charged for lessons.

*Prerequisite: Applied Music Study III, culminating in placement by jury to the 4000 level or permission of instructor.*

**\*\* Repertoire levels:**

1-2 Beginning

3-4 Intermediate

5-6 Advanced

Level 6 is advanced conservatory performance. Specific definitions of the repertoire grade level expectations for each instrument will be found in individual studio syllabi for each level.

**1140 Jazz Piano Class***2 credits*

This class teaches improvisational techniques and playing jazz by segmenting elements of each song to be shared by multiple pianists.

*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. Placement is based on the instructor's evaluation of the student's ability.

## **1153 String Pedagogy**

*1 credit*

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

*Prerequisite: MUT-1132 or permission of the instructor.*

Offered Spring 2006 and alternate years.

## **1154 Woodwind Pedagogy**

*1 credit*

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

*Prerequisite: MUT-1132 or permission of the instructor.*

Offered spring 2007 and alternate years.

## **1155 Percussion Pedagogy**

*1 credit*

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

*Prerequisite: MUT-1132 or permission of the instructor.*

Offered Fall 2006 and alternate years.

## **1156 Brass Pedagogy**

*1 credit*

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

*Prerequisite: MUT-1132 or permission of the instructor.*

Offered fall 2005 and alternate years.

## **1157 Voice Pedagogy for Singers**

*1 credit*

An overview of comparative vocal methods for the future teacher primarily concerned

with vocal and choral instruction. Emphasis is placed on the International Italianate School (Bel Canto method).

*Prerequisite: MUS-1149 or permission of the instructor.*

Offered as needed.

## **1159 Voice Pedagogy for Instrumentalists**

*1 credit*

An overview of comparative vocal methods for the future teacher primarily concerned with instrumental instruction. Emphasis is placed on the International Italianate School (Bel Canto method).

*Prerequisite: permission of the instructor.*

Offered as needed.

## **1201 Piano Proficiency**

*0 credits*

A piano proficiency exam required of all Music Education majors, which is expected to be completed before the junior year. Students without prior piano study are expected to take sufficient piano to prepare for the exam or to pass Piano Lab III with a "B" or better. See department handbook for details.

## **1202 Voice Proficiency**

*0 credits*

A voice proficiency exam required of all Music Education majors, which is expected to be completed before the junior year. Students without prior voice study are expected to take sufficient voice to prepare for the exam or to pass Voice Class II, Voice Pedagogy, and Lyric Diction with a "B" or better. See department handbook for details.

## **1203 Guitar Proficiency**

*0 credits*

A guitar proficiency exam required of all Music Education majors, which is expected to be completed before the junior year. Students without prior guitar study are expected to take sufficient guitar to prepare for the exam or to pass Guitar Class II with a "B" or better. See department handbook for details.

**1204 Aural Training/Musicianship***0 credits*

Students are required to pass the Aural Training/Musicianship Proficiency Exam in order to take music courses at the 3000 level or higher. This exam will be offered at the end of each semester. The student will be encouraged to take an independent-study course in aural training/musicianship in the spring semester of their junior year if the exam has not been passed by the fall semester of their junior year. The minimum passing proficiency is 86 percent, or passing MUT 1105 with a "B" or better. See department handbook for details.

**2210 Music, Mind and Brain***4 credits*

An exploration of how the brain processes musical experience. After a review of the elements of music and the structure/function of the nervous system, students will examine how concepts such as musical training and style correlate with brain function, how the brain responds to emotional content in music, and how music impacts hemispheric laterality. Special topics, such as creativity, the Mozart effect and the relationship between musical genius and creativity will be examined. The course includes a laboratory, using tools such as EEG, EMG, GSR, EKG, skin temperature readings and pulse rate.

*Prerequisite: Psychology 1106 and Music 1134 or permission of instructor.*

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 phoeticization will be used.

*Prerequisite: MUS-1149 or permission of instructor.*

**3311 Instrumental Conducting***4 credits*

An analysis of the principles and practices of instrumental conducting, development of conducting pattern skills, score analysis,

rehearsal procedures, and program development.

*Prerequisites: Music 1201 and 1204, Music Theory 2202, and permission of the instructor. Corequisite: participation in the College Band. Offered in the fall.*

**3313 Choral Conducting***4 credits*

An analysis of the principles and practices of choral conducting, development of conducting pattern skills, score analysis, rehearsal procedures, and program development.

*Prerequisites: Music 1202, 1201, and 1204, Music Theory 2202, and permission of the instructor.*

*Corequisite: participation in the College Choir. Offered in the spring.*

**3335 Methods for Teaching Piano***4 credits*

Methods of teaching piano to students of all levels and all ages. This course includes a survey of teaching materials for all grades, as well as a discussion of the pianistic and musical problems involved in teaching piano. It also involves actual teaching of volunteer beginning piano students in a lab setting.

*Prerequisite: permission of the instructor. Offered as needed.*

**4205 Senior Recital***0 credits*

The last formal performance required of all Music majors. Non-majors with private lesson experience at the College may be eligible to give a senior recital, but only with permission of the private instructor. Refer to the Music Department handbook for guidance on preparation for Senior Recitals.

**2295; 2296; 3395; 3396; 4495; 4496 Internships in Music***0-4 credits*

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

*Prerequisite: permission of the instructor.*

## **2298; 2299; 3398; 3399; 4498; 4499** **Independent Studies in Music**

*0-4 credits*

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

*Music Theory Course Descriptions (MUT)*

### **1102 Aural Musicianship I**

*2 credits*

The study and practice of ear-training incorporating the basic musical elements: (1) melody, (2) harmony, and (3) rhythm. This course emphasizes the beginning development of musicianship skills, which include sight-singing (using movable do solfege) and dictation exercises.

*Prerequisite: This course is to be taken concurrently with MUT-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 MUT-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 MUT-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 MUT-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 multi-faceted approach will include ear training, sight singing, and basic keyboard skills. Students will learn to read rhythmic, melodic, and harmonic notation.

**1131, 1132 Music Theory***4, 4 credits*

Basic knowledge of musical materials, written and keyboard harmony through the dominant seventh chord, sight singing, melodic and harmonic dictation. Some aspects of orchestration will also be included.

*Prerequisite:* For MUT-1131, MUT-1130 or placement by test.

*Prerequisite:* For MUT-1132, MUT-1131 or permission of instructor.

**1137 Jazz Theory***4 credits*

An introduction to the basic language and rudiments of jazz: including rhythm, articulations, style considerations, major, minor and modal systems, harmonic systems, forms, harmonic substitutions, simple analysis, chord/scale relationships, and ear-training in the jazz language.

*Prerequisite:* MUT-1131.

**2201, 2202 Advanced Music Theory I, II***4, 4 credits*

The continuation of Music 1131, 1132 through the use of remote harmonies, 20th-century compositional styles, counterpoint, and form. Special emphasis will be given to analysis.

*Prerequisite:* MUT-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:* MUT-1129 or permission of instructor.

**2205 Jazz Composition and Arranging***2 credits*

Concentration on developing fundamental compositional and orchestration/arranging skills in various jazz skills. The course culmi-

nates with an arrangement for 4 horns and a rhythm section.

*Prerequisites:* MUT-1137 or permission of instructor.

**3309 Counterpoint***4 credits*

Study of 18th-century counterpoint with an emphasis on both analysis and composition.

*Prerequisites:* MUT-2202, MUS-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:* MUT-2202, MUS-1204, and permission of instructor.

Offered as needed.

**PHILOSOPHY**

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

Areas of particular teaching interest:

Professor Alles: religions of South Asia and the Mediterranean world, method and theory in the study of religions; Professor Hadley: social ethics, comparative religious thought and ethics; Professor Jakoby: 19th- and 20th-century continental philosophy, history of philosophy; Professor Bradley: philosophy of science, cognitive science, logic

Philosophy has been called the queen of sciences because it deals with basic questions concerning our world and ourselves, the underlying ideas upon which the more specialized disciplines are based. Because its methodology is one of rigorous and critical thinking, students find it a valuable preparation for such fields as law, medicine, business, literature, history, and religion, to mention a few. Courses are offered in both the historical and contemporary perspectives, with many of them being issue-oriented.

Philosophical studies are generally divided into two groups: the historical and the issues-oriented. Courses in the history of philosophy cover topics from early Greek thought to contemporary philosophy and are closely related

to other fields of study such as the sciences, literature, political thought, the arts, language, and economics. Issues-oriented courses deal with the nature of knowledge and truth, the meaning of justice, and ethical values of our time such as war, sex, honesty in government and business, the determination of freedom, the relationship between mind and body, the most desirable society, and gender relations.

The Department offers classes in Continental, Anglo-American, and Asian philosophy and a number of courses in Asian civilization, which allow students to explore various ways of living, thinking, expression, and self-development. Students may plan their programs for general liberal education, for graduate study, or for special objectives in related fields.

#### *Other Educational Options in Philosophy:*

Dual major in Philosophy and Religious Studies, and special programs combining Philosophy and other disciplines.

*Please see the Dual Major section for dual majors with Religious Studies.*

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

#### *Departmental Honors*

Students who have a 3.50 GPA in courses in the major, a 3.20 GPA overall and receive an "A" grade on their senior thesis (PHI 4492) receive departmental honors.

#### **BASIC MAJOR (40 HRS.)**

##### *Required:*

PHI 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, 3365

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 Philosophy

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 infor-



mal 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.

Heritage Sequence, Humanities.

*Prerequisite: Philosophy 1113.*

### **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 corpora-



tions, 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; 3365; 4465 Special Topics In Philosophy

4 credits

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

### 2295; 3395; 4495 Internships in Philosophy

0-4 credits

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

### 2298; 3398; 4498; Independent Studies in Philosophy

0-4 credits

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

## PHYSICS

Professor Pagonis; Associate 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 for dual majors with Mathematics.*

### *Departmental Honors*

Students who wish to graduate with Honors in physics are expected to complete a research project during their senior year, prepare a written thesis and give an oral presentation. In addition, students need a minimum average GPA of 3.50 in courses required for the major.

### **BASIC MAJOR (49 HRS.)**

#### *Required Courses:*

PHY 1101 General Physics I

PHY 1102 General Physics II

PHY 1103 Applied Electronics & Computers

PHY 2204 Introduction to Modern Physics

PHY 2211 Mathematical Physics

PHY 2212 Intermediate Mechanics

PHY 3311 Intermediate Electricity & Magnetism

PHY 4491 Capstone - Physics Seminar (1 hr.)

MAT 1117 Calculus I

MAT 1118 Calculus II

Two courses from:

PHY 1151 Computer Interfacing for Scientists

PHY 2209 Optics & Waves

PHY 3306 Thermodynamics

PHY 3309 Topics in Quantum Mechanics

PHY 3310 Computer Modeling of Physical Systems for Physicists

PHY 4402 Intro. Quantum Mechanics

One course from:

CSC 1106 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 2209 Optics & Waves

PHY 3306 Thermodynamics

PHY 3309 Topics in Quantum Mechanics

PHY 3310 Computer Modeling of Physical Systems for Physicists

PHY 4402 Introductory Quantum Mechanics

CHE 1101 Intro. Chem. I: Structure & Bonding

CHE 1102 Intro. Chem. II: Chemical Reactivity

CSC 1106 Fundamentals of Computing I

CSC 1107 Fundamentals of Computing II

MAT 3304 Differential Equations

#### *Suggested First-Semester Schedule:*

Physics 1101 General Physics I

English Composition (based on placement)

First-year Seminar

Mathematics (based on placement)

### **PHYSICS WITH A SPECIALIZATION IN COMPUTER SCIENCE (49 HRS.)**

#### *Required Courses:*

PHY 1101 General Physics I

PHY 1102 General Physics II

PHY 1103 Applied Electronics & Computers

PHY 1151 Computer Interfacing for Scientists

PHY 2211 Mathematical Physics

PHY 2212 Intermediate Mechanics

PHY 4491 Capstone - Physics Seminar (1 hr.)

MAT 1117 Calculus I

MAT 1118 Calculus II

CSC 1106 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 3306 Thermodynamics  
 PHY 3309 Topics in Quantum Mechanics  
 PHY 4402 Introductory Quantum Mechanics  
 CHE 1101 Intro. Chem. I: Structure & Bonding  
 CHE 1102 Intro. Chem. II: Chemical Reactivity  
 CSC 1106 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 2211.*

### **2209 Optics And Waves**

*4 credits*

Geometrical and physical optics, with emphasis upon the latter; study of wave phenomena such as polarization, interference, diffraction, and scattering; comparison of electromagnetic and mechanical waves.  
Course includes laboratory.  
*Prerequisites: Physics 2211.*  
Offered in 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.*

### **3306 Thermodynamics**

*4 credits*

Understanding thermodynamics means understanding how energy is allocated in simple and complex systems. This course will cover the basic laws of thermodynamics, equations of state, thermodynamic potentials, and classical and quantum statistics of gases. All aspects of the course will consider connections between theory and application.  
*Prerequisite: PHY 2212*

### **3309 Topics In Quantum Mechanics**

*4 credits*

Intensive study of one or two areas of contemporary physics such as atomic physics, elementary particle physics, molecular physics, nuclear physics, quantum statistical mechanics, and solid state physics.  
*Prerequisites: Physics 2204.*  
Offered in 2005-2006 and alternate years.

### **PHY 3310 Computer Modeling of Physical Systems for Physicists**

*4 credits*

An introduction to the computer modeling of physical systems using the program Mathematica. The course will focus on the numerical methods and graphing techniques that physicists use to model physical systems encountered in physics and engineering. General examples will be taken from Newtonian mechanics, electricity and magnetism, modern physics, quantum mechanics, and thermodynamics. This course is intended primarily for physics majors who wish to learn how to apply computer modeling to physical systems encountered in nature. No previous experience with Mathematica is necessary.

*Prerequisites: Physics 1101, 1102, 2211.*

### **3311 Intermediate Electricity And Magnetism**

*4 credits*

Electrostatics in free space and in dielectric media, magnetostatics in free space and in magnetic media, scalar, and vector potentials, electromagnetic induction, and introduction to Maxwell's equations.  
Course includes laboratory.  
*Prerequisite: Physics 2211.*

### **4402 Introductory Quantum Mechanics**

*4 credits*

Origins of quantum theory, the Schroedinger equation, physical meaning of quantum mechanics, and solutions of one- and three-dimensional problems.  
*Prerequisites: Physics 2204.*  
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; 3365; 4465 Special Topics In Physics

4 credits

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

### 2295; 3395; 4495 Internships In Physics

0-4 credits

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

### 2298; 3398; 4498 Independent Studies In Physics

0-4 credits

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

## POLITICAL SCIENCE AND INTERNATIONAL STUDIES

Professors 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 theo-

ry, American political behavior; Professor Franke: security studies, international relations, foreign policy, political psychology, political theory; Professor Johnson-Ross: comparative politics of developing nations, African politics, ethnicity and nationalism, gender, politics and popular culture.

To study the science and arts of politics is to examine and understand human behavior in a governmental context. The major in political science provides an informed sense of knowledge about governmental systems in general and of the American government and world affairs in particular. The curriculum in political science is directed towards an understanding of National and International Studies. It 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
- PSI/CCS 3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World

*(Students must take a total of seven courses from the two groups above.)*

*Recommended:*

- Computer Science
- Economics
- 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 GOVERNMENT (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/CCS 3333 Conflict Resolution, Peacemaking, and Peacekeeping in Post-Cold War World

Two Foreign Language courses beyond the College requirement

Four additional courses in consultation with the student's academic 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
- PSI/CCS 3333 Conflict Resolution

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

Social Science.

**2203 International Law and Organization***4 credits*

An introduction to the history, purpose, environmental policy and scope of international law and organizations. Questions this course attempts to answer include: How does international law affect states, international organizations, non-state actors, and individuals? Who creates international law, and who is governed by it? What is the relation between international and domestic law? What role do international organizations play in the international system? How does membership in international organizations influence states' abilities to achieve their goals?

*Prerequisite: Political Science and International Studies 1101.*

Social Science.

**2204 Approaches to International Relations***4 credits*

An introduction to the major theories and approaches for analyzing global develop-

ments, 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, environmental policy, 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 (recommended)*  
(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, environmental policy, 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, economic and environmental 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, environmental policy, and economic problems of "third world" development with Latin America as the regional area of focus. The models of corporatism, bureaucratic-authoritarianism, civil-military relations, and dependency theory are applied to case studies in Argentina, Brazil, Cuba, and Peru. An examination of the role of women in development as well as the impact of development on the environment is also included. Sustainable development models are offered as an alternative to the failed attempts at development. 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 homogenous. 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, environmental policy, 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, environmental policy, and determinants of conflict, presenting the various perspectives on the genesis and the amelioration of conflict, and utilizing some case method analysis to demonstrate the life cycles of some specific conflicts and the management or resolution thereof. The cases vary each semester but have included the following: The Middle East Conflict, the Anglo-Irish Conflict, the Gulf War (and now the second war against Iraq), the war on terrorism, and the conflict in former Yugoslavia and Rwanda. The course also covers the spread of radical fundamentalist Islam as a source of conflict in the Post Cold War World and specifically with regard to the "War on Terror". Social Science and Global Perspective. Cross-listed with Cross Cultural Studies 3333.

### 4492 Senior Seminar

4 credits

An analysis of various topical or recurring problems in the area of either domestic or international politics. This course serves as a focal point for an integration of methodology, theory, and substantive problem areas.

### 4493 Honors Project

4 credits

An independent research paper for students who are candidates for departmental honors.

## **2265; 3365; 4465 Special Topics in Political Science**

*4 credits*

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

## **2295; 3395; 4495 Internships in Political Science**

*0-4 credits*

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

## **1198; 2298; 3398; 4498 Independent Studies in Political Science**

*0-4 credits*

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

## **PSYCHOLOGY**

Professors Hughes (Department Chair) and W. Miller; Associate Professor McDevitt, Assistant Professor Madsen and Morris, Senior 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; 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; Professor Morris: social psychology and the psychology of stigmatization and prejudice; Lecturer Mazeroff: introductory psychology, psychopharmacology, psychopathology and stress, "music and the brain."

Psychology is a pluralistic discipline with roots in and connections to the natural sci-

ences, the social sciences, and the humanities. This Department reflects the diversity in the field. The program in psychology offers instruction in a variety of fields including human learning, behavior analysis and modification, adulthood and aging, counseling, psychological research, social psychology, child and adolescent development, psychological assessment, and industrial/organizational psychology. The Department offerings provide comprehensive courses and laboratory experiences, extensive internship possibilities and field placements, and opportunities for student-faculty research. The emphasis in all of the courses is on scholarship, research, and pre-professional activities in psychology and related fields. The Department urges all interested and qualified students to pursue Departmental Honors in Psychology. Recent graduates have entered masters or doctoral programs at universities across the country and others have pursued careers in human resources, nursing, law, research, education, and human services.

Other Educational Options in Psychology: Teacher Certification - Elementary (1-6). The Department offers a minor in psychology and a dual major in psychology-sociology. The Department offers various options for majors. Courses listed for these options are only minimum requirements.

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

*Please see the Dual Major section for the dual major with Sociology.*

### *Departmental Honors*

Requirement: A 3.50 GPA in all courses taken in the major and completion of an honors project.

An honors project is a very important consideration for graduate study in psychology. Students are encouraged to engage in any one of a variety of projects (laboratory research, field studies or surveys, case histories, theoretical analysis, etc.) Students should see any full-time faculty member of the Psychology department for information and assistance. Projects should be initiated by the

end of the student's junior year. The final honors project is evaluated and must be approved by all members of the department.

## BASIC MAJOR (40 HRS.)

### *Required:*

PSY 1106 Introduction to Psychology  
 PSY 2201 Psychology of Learning and Animal Laboratory  
 PSY 3211 Psychology of Abnormality  
 PSY 2223 Psych. Methods I: Measurement & Assessment (lab included)  
 PSY 2224 Psych. Methods II: Research Design & Analysis (lab included)  
 Four 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.*

## **2220 Psychology in the Workplace**

*4 credits*

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

*Prerequisite: Psychology 1106 or Sociology 1104.*

Cross-listed with Business Administration 2220.

## **2223 Psychological Methods 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.*

## **2211 Psychology of Abnormality**

*4 credits*

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

*Prerequisite: Psychology 1106.*

## **3303 Psychology of Personality**

*4 credits*

An overview of the major theories of personality and assessment strategies. Emphasis will be on the normal personality in a diverse world with some attention to disordered personalities.

*Prerequisite: Psychology 1106 or Sociology 1104.*



### 3305 Health Psychology

4 credits

An introduction to the foundations and practice of health psychology. A bio-psycho-social perspective is applied to the promotion and maintenance of health and the prevention and treatment of illness. Behavioral components of health risk factors and improvement of the health care system are addressed.

*Prerequisite:* Psychology 1106.

### 3306 Adolescence

4 credits

An in-depth study of development during adolescence, including biological, cognitive, and social transitions. Students will examine how changes in the adolescent's environment (e.g., school, family, peer groups, and culture) intersect with individual advances (e.g., identity, autonomy, intimacy, and moral development). Special attention will be given to current research on adolescence and application of research to promote adolescents' psychological well being.

*Prerequisite:* Psychology 1106; Psychology 2209 recommended.

### 3307 Psychology of the Exceptional Child

4 credits

An overview of the psychological effects of major exceptionalities including giftedness, deafness, blindness, mental retardation, brain injury, speech defectiveness, mental illness, and orthopedic problems, with the emphasis upon children and on the treatment, rehabilitation, and educational techniques available to serve persons with these exceptionalities.

*Prerequisite:* Psychology 1106.

### 3308 Adulthood and Aging

4 credits

Psychological and personality changes from young adulthood through old age; adult socialization and the age status system; changing concomitants of family relationships, employment, leisure, and retirement; health issues, psychopathology, and death.

*Prerequisite:* Psychology 1106.

Cross-listed with Sociology 3308.

### 3325 Cognitive Neuroscience

4 credits

This course examines current ideas of how brain activity generates behavior in humans. The course will begin with a study of the basic principles of the structure of the brain and the function of nerve cells. Emphasis will be placed on how the brain's processing of information underlies cognitive aspects of human behavior, including sensory perception, attention, memory, action, planning, emotion, language, and consciousness.

*Prerequisite:* Psychology 1106; Biology 1111 and 1112 are recommended.

### 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.*

### **3392 Internship in Gerontology**

*2 credits*

Supervised field experiences in appropriate settings designed to assist students in acquiring and using skills and knowledge of the field of study unique to gerontology. Possible settings for internships include long-term care facilities, voluntary health organizations, professional associations, senior centers, churches, pastoral counseling centers, social service agencies for the aged, and research centers. Cross-listed with Biology 3392, Religious Studies 3392, Social Work 3392, and Sociology 3392.

### **4492 Capstone in Psychology**

*4 credits*

An advanced study of a specific topic or overarching theme in psychology. Emphasis will be on discussion and analysis of original literature, psychological theory, and research. One capstone course will be offered each semester with rotating topics and instructors.

*Prerequisites: junior or senior status, PSY 1106 and three courses from PSY 2201, 2211, 2223, and 2224; permission of the instructor. Some specific offerings may have additional prerequisites.*

### **2265; 3365; 4465 Special Topics in Psychology**

*4 credits*

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

### **2295; 3395; 4495 Internships in Psychology**

*0-4 credits*

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

### **2298; 3398; 4498 Independent Studies in Psychology**

*0-4 credits*

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

## **RELIGIOUS STUDIES**

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

Areas of particular teaching interest: Professor Alles: religions of South Asia and the ancient Mediterranean world, methods and theories in the study of religions; Professor 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 Education section under Curriculum in this catalog for teacher certification requirements in Religious Studies. Please see the Dual Major section for dual majors with Philosophy.*

### Departmental Honors

Students who have a 3.50 GPA in courses in the major, a 3.20 GPA overall and receive an "A" grade on their senior thesis (REL 4492) receive departmental honors.

### BASIC MAJOR (42 HRS.)

REL 1102 Religion & Culture or REL 1151 The Good Life

PHI 1102 Critical Thinking or PHI 2233 Elementary Logic

REL 2240 Religion & Critical Thought

REL 4492 Capstone - Senior Thesis

Two courses from:

Historical and analytical studies of religions

REL 2204 Women and Religion

REL 2210 Jesus at the Movies

REL 2222 Hinduism

REL 2224 Buddhism

REL 2251 Religion in Western Culture I  
REL 2252 Religion in Western Culture II  
REL 2254 Religions of Africa and the Indigenous Americans  
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

**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.

**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.

**2210 Jesus at the Movies**

*4 credits*

An academic examination of the manner in which filmmakers both portray the story of

Jesus in film and use, consciously and unconsciously, motifs and themes from the Jesus story in other films.  
Humanities.

**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.

**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.

**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.

**2222 Hinduism**

*4 credits*

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

**2224 Buddhism***4 credits*

An examination of the history of Buddhism, the practices, teachings, and forms of organization of its three major traditions

—Theravada, Mahayana, and Vajrayana—and the development of Buddhism in the United States. The course includes visits to Buddhist institutions in the surrounding area.

Global Perspectives, Humanities.

Cross-listed with Cross-Cultural Studies

2224.

**2232 Religion and Evil***4 credits*

An examination of the nature and meaning of evil. The course focuses upon several forms of evil with particular attention to the Jewish experience in the Holocaust and the African-American legacy of racial discrimination during and after slavery. Readings are drawn from a variety of religious and philosophical traditions and from historical and literary narratives.

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.

**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.



## 2291 Directed Readings in Philosophy and Religious Studies

### 1 credit

A close reading of a major text in philosophy and/or religious studies. Students will also become familiar with selected critical studies of the text.

Course may be repeated up to four semesters for credit.

## 3302 Classical Indian Philosophy

### 4 credits

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

Global Perspective, Humanities.

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

## 3303 God, Self, and World

### 4 credits

A comparative study of how human beings have variously envisioned divine reality. The course examines a variety of religious traditions’ and thinkers’ conceptions of 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.

## 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 cele-

brations, 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.

## 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; 3365; 4465 Special Topics In Religious Studies

4 credits

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

## 2295; 3395; 4495 Internships in Religious Studies

0-4 credits

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

## 2298; 3398; 4498 Independent Studies in Religious Studies

0-4 credits

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

## SCHOOL LIBRARY MEDIA

Associate Professor M. Kerby.

Areas of particular teaching interest: Professor Kerby: school library media program, children's and young adult literature.

No major is offered in this field.

### *Library Science Course Descriptions (SLM)*

### 3317 Children's Literature

4 credits

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 for dual majors with Political Science.*

#### *Departmental Honors*

Students are encouraged to request consideration for departmental honors at the beginning of the fall semester of their senior year. The basic academic criteria is a cumulative 3.20 GPA and a 3.50 in the major. General standards to complete the process along with past honors projects are presented and discussed during the initial three weeks of class in senior seminar. Students are required to request consideration by October 1st.

Student selection is made by faculty consensus. In addition to academic performance, other criteria include a consistent demonstration of emotional and interpersonal intelligence (i.e., effective interpersonal communication, coping and adapting ability, high ethical standards) along with a highly developed sense of social responsibility (i.e., social justice and advocacy). A maximum of two students are selected per academic year.

Once selected, students are assigned to work with a sponsoring Social Work faculty member. However, the project's objectives and methodology are decided by faculty consensus. Length, time, and type of project varies significantly dependent on student professional interest and ability. All projects, however, are required to reflect core social work theory and models that not only contribute to understanding people and society (assessment) but also those that support practical methods for working with them (intervention). In addition, all approved projects must include student activity that require the fundamental liberal arts skills of competence with information technology, writing, and public speaking.

#### BASIC MAJOR (44 HRS.)

Required:

- SWK 2202 The Family
  - SWK 2214 Human Behavior & the Social Environment
  - SWK 2217 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 think-  
 ing

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).

## **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 sys-

tem 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.

## **2274 Drama Therapy**

*4 credits*

This course is a group process emphasizing play, spontaneity, embodiment, relatedness and role flexibility. This course will use experiential ways of learning both the theory and processes of drama therapy. Drama therapy techniques can be used to work with groups in clinical, education, corporate and social service settings. The course is especially useful for (1) theatre arts students who are interested in applying their skills to "real world" situations, and (2) for social work, psychology, education, communication or business



students who wish to learn embodied, spontaneous ways to approach group process and content.

*Prerequisite:* Theatre Arts 1117 or Social Work/Sociology 2214.

Cross-listed with Theatre Arts 2274.

### **3318 Social Work in Special Practice Fields**

*4 credits*

An in-depth study of programs, policies, and practices in a specialized area of social service. Unique needs of the service population and appropriate intervention techniques are emphasized.

### **3322 Social Work Practice I**

*4 credits*

An introduction to the conceptual framework for generalist practice with individuals, families, groups, organizations, and communities. Students are introduced to the common knowledge, values, techniques, and skills that serve as the foundation for social work practice. The ecosystems and strengths perspective are emphasized throughout the course.

*Prerequisite:* Social Work 2217.

### **3325 Managing Systems in a Macro Environment**

*4 credits*

Within a person-environment framework, this course presents social and organizational theories, which allow for a critical analysis of communities, social institutions, and social organizations. Human relations issues as they pertain to the workplace are explored. Social inequalities and social injustices are examined while issues such as affirmative action, equal opportunity, and human diversity are understood more fully.

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.

### **4415, 4416 Field Instruction Seminar I, II**

2, 2 credits

A weekly seminar focusing on integration of social work concepts and theories with field instruction. Emphasis is on preparing students for generalist practice with a diversity of population groups and within systems of various sizes. Assignments are related to students' agency experiences. Practice evaluation, social work, ethics, and the development of the professional self are emphasized.

*Prerequisite:* Social Work 3322.

### **4417, 4418 Field Instruction in Social Work I, II**

4, 4 credits

Supervised experience in the practice of generalist social work in a community social agency. Students assume direct service responsibility using a variety of social work methods and roles. Each student is assigned to a specific agency for the year. Sixteen hours of field instruction per week is required.

*Prerequisites:* Social Work 3322 and permission of the instructor.

### **2265; 3365; 4465 Special Topics in Social Work**

4 credits

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

### **2295; 3395; 4495 Internships in Social Work**

0-4 credits

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

### **2298; 3398; 4498 Independent Studies in Social Work**

0-4 credits

Directed study planned and conducted with reference to the needs of those students who

are candidates for departmental honors.

Qualified students who are not candidates for such honors but who desire to do independent studies are also admitted with permission of the Department.

## **SOCIOLOGY**

Associate Professors Dundes Lemke (Department Chair) and Shin; Assistant Professors Harlow and Semu.

Areas of particular teaching interest:

Professor Dundes: criminology, criminal justice, medical sociology; Professor Lemke: social theory, research methods, social stratification, gender roles; Professor Harlow: race and ethnicity and sociology of education and society and the individual; Professor Semu: globalization/international development, family, social policy and urban sociology; Professor Shin: work and occupations, social change, and 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 for dual majors with Communication, Foreign Language, and Psychology.*

*Departmental Honors*

To receive departmental honors, students must:

- 3.50 GPA for all students
- 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 2410 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, 2298, 3395, 3398, 4495, 4498.  
 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 3429 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 2410 Work and Occupations

#### 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

#### Social Inequality:

SOC 2203 Urban Sociology

SOC 2212 Wealth, Power, & 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.

*Contact: Dr. Lemke, Sociology*

## 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*

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

#### 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.*



## **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.*

## **2410 Work and Occupations**

*4 credits*

A look into the sociological study of work and occupations, especially the analysis of industries, occupations, labor markets, and technical/social relations of production. Students will examine work patterns, divisions of labor, labor disputes, and the effects of technological innovation on the nature of work, and also deal with demographic variations in work populations and settings. Much attention is paid to how sociologists themselves do their work on a daily basis.

*Prerequisites: Sociology 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 2005-2006 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 and one additional SOC course, 2000 level or above.*

### 3325 Managing Systems in a Macro Environment

4 credits

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

organizations. Students will be involved in field experiences with community organizations.

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 multigenerational 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: 2 SOC classes, 2000 level or above*

### **3360 Sociology of Education**

*4 credits*

This course will examine, from a sociological perspective, the relationship between the educational system and society. We will analyze the dynamics occurring within schools and classrooms as well as the broader external influences that impact the educational institution in the context of an entire social system.

*Prerequisite: Sociology 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 and 3358.*

### **2265; 3365; 4465 Special Topics in Sociology**

*4 credits*

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

*Prerequisites: Sociology 1103 or permission of the instructor.*

### **2295; 3395; 4495 Internships in Sociology**

*0-4 credits*

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

*Prerequisites: Sociology 1103 and permission of the instructor.*

## 2298; 3398; 4498 Independent Studies in Sociology

0-4 credits

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

*Prerequisite: Sociology 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: interactive and community-based theatre, drama therapy, acting, performance theory; 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 and design. 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 applied theatre and for a variety of other vocations which demand the interpersonal, creative, and problem solving skills developed by theatre majors.

Other Educational Options in Theatre Arts:

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

*Please see the Education section under Curriculum in this catalog for teacher certification requirements in Theatre Arts.*

BASIC MAJOR (46 credits)

*Required core courses:*

THE 1111 Stagecraft

THE 1113 Acting or 1151FR: Acting: The

Creative Process

THE 1117 Group Process in Interactive Theatre

(12 credits)

Two courses from Texts and Traditions:

THE 2216 History of Musical Theatre  
(cross-listed MUS 2216)

THE 2225 Theatre of the Western World I  
(cross-listed CLT 2225)

THE 2226 Theatre of the Western World  
II (cross-listed CLT 2226)

THE 2227 The Contemporary Theatre  
(cross-listed CLT 2227)

THE 2230 Performance and Culture  
(cross-listed CCS 2230)

THE 3350 Shakespeare (cross-listed ENG  
3350) (8 credits)

Two 2000-level courses from different focus  
areas:

Acting

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor

Production

THE 2244 Theatre Management

THE 2247 Theatre Technology

Interactive Theatre

THE 2272 Play, Ceremony and  
Performance

THE 2274 Drama Therapy (cross-listed  
SWK 2274)  
(8 credits)

Two 3000-level courses from any one focus  
area:

Acting

THE 3332 Scene Study

THE 3333 Classic Acting Styles

THE 3335 Modern Acting Styles

THE 3337 Asian Approaches to Acting

THE 3353 Musical Theatre Scene Study  
(cross-listed MUS 3353)

THE 3363 Special Topics in Acting

Production

THE 3354 Set Design

THE 3356 Light Design

THE 3358 Costume and Makeup Design

THE 3365 Special Topics in Production

Interactive Theatre

THE 3001 Teaching Theatre to Young  
People (cross-listed EDU 3001)

THE 3373 Theatre and Community

THE 3375 Playback Theatre

THE 3365 Special Topics in Interactive  
Theatre

(8 credits)

Two laboratory courses from different areas:

(The same laboratory course may be repeated  
for credit, but will not meet a major  
requirement the second time.)

THE 3321 Performance Laboratory

THE 3322 Management Laboratory or

THE 3323 Production Laboratory

THE 3324 Interactive Theatre Laboratory  
(4 credits)

One culminating course and one senior lab  
course:

Culminating courses:

THE 4450 Directing

THE 4460 Drama Workshop

Senior labs:

THE 4493 Senior Performance Laboratory

THE 4495 Senior Production Laboratory

THE 4497 Senior Interactive Theatre  
Laboratory

THE 4499 Senior Directing Laboratory  
(2 credits)

MINOR IN THEATRE ARTS (24 credits)

*Required core courses:*

THE 1111 Stagecraft

THE 1113 Acting (or 1151FR: Acting: The  
Creative Process)

THE 1117 Group Process in Interactive  
Theatre  
(12 credits)

One course from Texts and Traditions:

THE 2216 History of Musical Theatre  
(cross-listed MUS 2216)

THE 2225 Theatre of the Western World I  
(cross-listed CLT 2225)

THE 2226 Theatre of the Western World  
II (cross-listed CLT 2226)

THE 2227 Contemporary Theatre (cross-  
listed CLT 2227)

THE 2230 Performance and Culture  
(cross-listed CCS 2230)

THE 3350 Shakespeare (cross-listed ENG  
3350)  
(4 credits)

Two 2000-level courses from different focus  
areas:

Acting

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor



**Production**

THE 2252 Theatre Technology

THE 2254 Theatre Management

**Interactive Theatre**THE 2272 Play, Ceremony and  
PerformanceTHE 2274 Drama Therapy (cross-listed  
SWK 2274)  
(8 credits)**MINOR IN ACTING (30 credits)***Required core courses:*THE 1113 Acting (or 1151FR: Acting: The  
Creative Process)THE 1117 Group Process in Interactive  
Theatre  
(8 credits)**One course from Production:**

THE 1111 Stagecraft

THE 3358 Costume and Makeup Design  
(4 credits)**One course from Texts and Traditions:**THE 2216 History of Musical Theatre  
(cross-listed MUS 2216)THE 2225 Theatre of the Western World I  
(cross-listed CLT 2225)THE 2226 Theatre of the Western World  
II (cross-listed CLT 2226)THE 2227 Contemporary Theatre (cross-  
listed CLT 2227)THE 2230 Performance and Culture  
(cross-listed CCS 2230)THE 3350 Shakespeare (cross-listed ENG  
3350)  
(4 credits)**Two intermediate acting courses:**

THE 2232 Creating a Character

THE 2234 Voice/Movement for the Actor  
(8 credits)**One advanced acting course:**

THE 3332 Scene Study

THE 3333 Classic Acting Styles

THE 3335 Modern Acting Styles

THE 3337 Asian Approaches to Acting

THE 3353 Musical Theatre Scene Study  
(cross-listed MUS 3353)THE 3363 Special Topics in Acting  
(4 credits)**One laboratory course:**THE 3321 Performance Laboratory  
(2 credits)*Contact: Prof. Ira Domser, Theatre**Theatre Arts Course Descriptions (THE)***1111 Stagecraft***4 credits*

An introduction to the theory and practice of stagecraft in the live theatre. This course concentrates on the machines, materials and methods used by the theatre technician to accomplish the set and prop designs of a play. This course will concentrate on stage carpentry, prop construction, scene painting, and stage management. The course is a combination of lecture and shop work and requires backstage participation.

**1113 Acting***4 credits*

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

**1117 Group Process in Interactive Theatre***4 credits*

An investigation of group dynamics within the theatrical process. Using techniques drawn from dramatic play, sociodrama, image theatre and mythodrama, students will experience working independently, in small groups and in the large group. 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 contemporary texts on acting. Emphasis is placed on scene analysis and scene work, as well as written exercises in performance analysis and acting theory. Humanities.

## 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 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, which may include those of Asia, Africa, Native America, the Middle East, and South America. Intercultural performance will also be considered with an eye toward the global community.

Global Perspective, Humanities.

Cross-listed with Cross Cultural Studies 2230.

Offered every other year

## 2232 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 every other year.

*Prerequisite:* Theatre Arts 1113 or 1151

## 2234 Voice and Movement for the Actor

4 credits

An introduction and exploration of the range of techniques used in developing the potential of the actor's instruments: his own voice and body. Exercises will emphasize physical and vocal articulation, posture, proper breathing, and disciplines of movement helpful to the actor. These exercises will be applied through work on texts and other forms of performance.

*Prerequisite:* Theatre Arts 1113 or 1151.

Offered every other 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 every third year.

## 2252 Theatre Technology

4 credits

A study of the technical knowledge and skills necessary for the creation and operation of theatrical light and sound designs. This course concentrates on roles of the stage electrician, sound technician and theatrical rigger. The course is a combination of lecture and shop work and requires backstage participation.

## 2272 Play, Ceremony & Performance

4 credits

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

Global Perspective.

Offered every other year.

## 2274 Drama Therapy

4 credits

Drama Therapy is a group process emphasizing play, spontaneity, embodiment, relatedness and role flexibility. This course will use experiential ways of learning both the theory and processes of drama therapy. Drama therapy techniques can be used to work with groups in clinical, educational, corporate and social service settings. The course is especially useful for (1) theatre arts students who are interested in applying their skills to "real world" situations, and (2) for social work, psychology, education, communication or business students who wish to learn embodied, spontaneous ways to approach group process and conflict.

*Prerequisites:* Theatre Arts 1117 or Social Work 2214.

Offered every other year.

## 3001 Teaching Theatre to Young People

4 credits

Study of specific methods for the teaching of Theatre Arts to young people, including classroom management techniques involving theatre games, and ways to develop performances based on curriculum material. Students will learn exercises and games designed to teach young people the skills for performing live theatre. Topics include instructional objectives, teaching strategies, parent/teacher communication, and evaluation techniques. Field experience includes a 6-week practicum of after school classes (in association with Theatre on the Hill) during the second half of the semester.

Cross listed with Education 3001

## 3321 Performance Laboratory

2 credits

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

*Prerequisites:* Theatre Arts 2232 or 2234 and permission of the instructor.

This course may be repeated for credit.

## 3322 Management Laboratory

2 credits

A practicum in stage management, box office management, or theatre management associated with a production from the Department's theatre season, which provides the student with management challenges at an advanced level.

*Prerequisite:* Theatre Arts 2244 or permission of the instructor.

This course may be repeated for credit.

## 3323 Production Laboratory

2 credits

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

*Prerequisites:* Theatre Arts 1111 or 2247 and permission of the instructor.

This course may be repeated for credit.

### **3324 Interactive Theatre Laboratory**

*2 credits*

A practicum in interactive theatre associated with a departmental or community-based performance, or with a series of workshop sessions designed and implemented by students.  
*Prerequisite:* A 2000-level course in interactive theatre.

This course may be repeated for credit.

### **3325 Dramaturgy Laboratory**

*2 credits*

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

*Prerequisite:* Two courses from *Texts and Traditions* and permission of the instructor.

This course may be repeated for credit.

### **3326 Playwriting**

*4 credits*

The principles of playwriting through the analysis of scripts written for the stage. The techniques and demands of playwriting are developed through the construction and composition of original scripts and adaptations. Offered as needed.

### **3333 Classic Acting Styles**

*4 credits*

A laboratory course exploring the approaches to acting required by classic theatrical texts in four major styles: Greek tragedy, Shakespeare, comedy of manners, and farce. Work on monologues and scenes; exercises in voice, movement, and imagination; text analysis and research.

*Prerequisites:* Theatre Arts 2232 or 2234.

Offered every third year.

### **3335 Modern Acting Styles**

*4 credits*

A laboratory course exploring modern acting styles: Epic theatre, Theatre of the Absurd, and Environmental theatre. Work on monologues and scenes; exercises in voice, movement, and imagination; text analysis and research.

*Prerequisites:* Theatre Arts 2232 or 2234.

Offered every third year.

### **3337 Asian Approaches to Acting**

*4 credits.*

An approach to acting using Asian forms.

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

*Prerequisites:* Theatre Arts 2232 or 2234.

Cross-listed as Cross-Cultural Studies 3337 Global Perspective.

### **3339 Scene Study**

*4 credits*

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

*Prerequisite:* Theatre Arts 2232 or 2234.

Offered every third year.

### **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.

### 3354 Set Design

4 credits

An in-depth study of the function and creation of scenic designs for the theatre. Practical experience is provided through both hypothetical and realized design assignments. *Prerequisite: Theatre Arts 1111 or Theatre Arts 2247*

Offered every third year.

### 3356 Lighting Design

4 credits

An in-depth study of the function and creation of lighting designs for the theatre. Practical experience is provided through both hypothetical and realized design assignments. *Prerequisite: Theatre Arts 1111 or Theatre Arts 2247*

Offered every third year.

### 3358 Costume and Makeup Design

4 credits

A study in costume design theories and techniques for modern and period plays in a wide variety of styles. Students will be introduced to the history of Western dress and will be expected to research period costume. A laboratory session each week will explore the principles of makeup design and application.

Offered every third year.

### 3373 Theatre and Community

4 credits

Theatre and Community is an experiential and process-oriented course exploring the ways in which theatre artists and community organizers can use theatre creatively to work with communities and bring forth their stories, examine sources of conflict and tension, and create group solidarity and commitment to change. Two approaches will be explored: (1) community-based theatre and (2) theatre of the oppressed.

*Prerequisite: Theatre Arts 1117.*

Offered every other year.

### 3375 Playback Theatre

4 credits

A spontaneous, improvised and community-based form of theatre. Performances consist of non-scripted improvisations based on stories told by audience members. The purpose of playback theatre is to develop a sense of community based on the sharing of stories, embodied by actors in a public setting. Students will learn how to approach playback performance from four vantage points: as actors, conductors, audience members and either musicians or lighting operators.

*Prerequisite: Theatre Arts 1117.*

Offered every other year.

### 4450 Directing

4 credits

A capstone course designed for theatre majors and dual majors interested in directing, stage management, acting, design or management. Minors may also register for the course as an elective. This course allows the student to apply principles of staging the play to projects designed to provide experience in approaching the particular problems of the director. The course culminates in a public performance of a short (ten minute) play, chosen in collaboration with the instructor, and is a prerequisite for those interested in the senior directing lab.

Offered every other year.

*Prerequisites: Senior theatre arts major, dual major, acting minor, or permission of the instructor, and all required 1000 and 2000-level courses for the major or minor.*

### 4460 Drama Workshop

4 credits

A Capstone course for majors and dual majors in Theatre Arts. It is a theme-based course combining performance theory and interactive theatre practice. The emphasis is on non-scripted theatre, such as experimental theatre, community-based theatre, theatre of the oppressed, drama therapy, dramatic play and dramatic ritual. It is best suited for graduating seniors focusing on interactive theatre or acting.

*Prerequisite: A 3000-level course in interactive theatre or acting.*



#### **4490 Senior Performance Laboratory**

*2 credits*

A final performance associated with a production from the department's theatre season, which provides the student with acting challenges at an advanced level.

*Prerequisites: A 3000 level course in acting. Senior standing.*

#### **4492 Senior Production Laboratory**

*2 credits*

A final design or project in technical theatre associated with a production from the department's theatre season which provides the student with acting challenges at an advanced level.

*Prerequisites: A 3000 level course in production. Senior standing.*

#### **4493 Senior Interactive Theatre Laboratory**

*2 credits*

A final project in interactive theatre associated with a departmental or community-based performance, or with a series of workshop sessions designed and implemented by students.

*Prerequisites: A 3000 level course in interactive theatre. Senior standing.*

#### **4494 Senior Directing Laboratory**

*2 credits*

A final design or project in play directing associated with a production from the department's theatre season, which provides the student with acting challenges at an advanced level.

*Prerequisite: Theatre Arts 4450. Senior Standing.*

#### **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; 3395; 4495 Internships in Theatre Arts**

*0-4 credits*

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

#### **2298; 3398; 4498 Independent 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

HIS 3331 Gender and the Family in China  
Independent Studies in Women's Studies  
(IDS 2299-4499)

REL 2204 Women & Religion

REL/SOC 3328 Social Inequality and Justice

SOC/SWK 2202 The Family

SOC 2427 Gender and Society

SOC 3355 Aging and Gender

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 Communication 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

COM 2204 Quantitative Research Methods

Three additional four-credit courses in

Communication at the 3000 level or above. (Internships do not apply.)

At least one Capstone 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. T. Evergates, History*

## BIOLOGY - CHEMISTRY (BIOCHEMISTRY) (65 hrs.)

This dual major is intended to serve the needs and interests of students who wish to concentrate 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 German course at the 3000  
level

One additional German course taught in  
English from among:

GER 1111 German Cinema

GER 1125 From the Holocaust to German  
Unification

GER 1131 Culture of German Speaking  
Countries

GER 2231 German Women in Literature  
and Society

Four hours from among:

BUA 2201 Intermediate Accounting I

BUA 2209 Principles of Marketing

BUA 2213 Auditing

BUA 2215 Cost Acct.: A Managerial  
Emphasis

BUA 3307 Investments

BUA 4323 Capstone - Corporate Finance  
(4323 must be taken at the College)

Four hours from among:

- BUA 2205 Legal Environment of Business
- BUA 2210 Ethics and Business
- BUA 2211 Entrepreneurship
- BUA 2214 Principles of Management
- BUA 2220 Psychology in the Workplace
- BUA 3305 Public Administration
- BUA 3325 Managing Sys. in a Macro Envir.

One semester spent studying abroad or one year in German House or Suite on campus

*Contacts: Dr. J. Olsh, Economics; Dr. Esa, Foreign Languages*

### BUSINESS ADMINISTRATION - ECONOMICS (56 hrs.)

Our most popular option, stressing both liberal arts and business preparation.

- BUA 1101 Principles of Acct. I
- BUA 1102 Principles of Acct. II
- Four hours from Mathematics
- STA 2215 Elementary Statistics for Social Science

- STA 2216 Statistical Methods
- ECO 2201 Principles of Economics
- ECO 3303 Microeconomic Theory
- ECO 3320 Macroeconomic Theory
- ECO 4405 History of Economic Thought

Eight hours from among:

- ECO 3304 International Economics
- ECO 3305 American Economic History
- ECO 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 Corp. Finance & 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 2220 Psychology in the Workplace
- BUA 3305 Public Administration
- BUA 3325 Managing Sys. in a Macro Envir.

Four hours from among:

- COM 1110 Public Speaking
- ENG 2203 Intro. to Journalism
- ENG 2208 Advanced Composition
- ENG 2212 Professional Communication

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*

### 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  
 COM 2204 Qualitative Research Methods  
 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 Romanticism

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.  
 Mangan, English*

COMMUNICATION - FOREIGN LAN-  
 GUAGE (64 hrs.)

*Required Courses in Foreign Language:*

1101 Elementary Foreign Language I  
 1102 Elementary Foreign Language II  
 or 1103 Elementary Foreign Language for  
 Advanced Beginners  
 2 courses at the 2000 level  
 2 courses at the 3000 level  
 1 course taught in English in relevant lan-  
 guage by Foreign Languages Department,  
 such as:  
 FRE 1131 Culture of France  
 FRE 1123 The French-Speaking World  
 GER 1111 German Cinema  
 GER 1125 From the Holocaust to German  
 Unification  
 GER 1131 Culture of German Speaking  
 Countries  
 GER 2231 Women in German Literature  
 and Society



SPA 1131 Culture History of Spain  
 SPA 2223 Culture History of Latin America  
 4410 Advanced Studies in Foreign Language (Capstone)

*Required Courses in Communication:*

COM 1102 Interpersonal Communication  
 COM 1103 Mass Communication  
 COM 1110 Public Speaking  
 COM 2203 Communication Research  
     Methods: Quantitative  
 COM 2204 Communication Research  
     Methods: Qualitative  
 COM 3352 Intercultural Communication  
 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  
 COM 2203 Quantitative Research Methods  
 COM 2204 Qualitative Research Methods  
 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 2410 Work and Occupations  
 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 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 4450 Directing OR THE 4460 Drama Workshop (Culminating Capstone courses)  
 COM 1102 Interpersonal Communication  
 COM 1103 Mass Communication  
 COM 1110 Public Speaking  
 COM 2203 Quantitative Research Methods  
 COM 2204 Qualitative Research Methods  
 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/EDU 3001 Teaching Theatre to Young People

Two courses from:

- THE 2232 Creating A Character
- THE 2234 Voice & Movement for the Actor
- THE 2244 Theatre Management
- THE 3354 Set Design
- THE 3356 Lighting Design
- THE 3358 Costume & Make-up Design
- THE 3326 Playwriting
- THE 3332 Scene Study
- THE 3333 Classical Acting Styles
- THE 3335 Modern Acting Styles

One course from:

- THE 3321 Performance Laboratory
- THE 3322 Management Laboratory
- THE 3323 Production Laboratory
- THE 3325 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 from:
  - CSC-2205 Software Engineering
  - CSC-2208 Algorithms
  - CSC-2213 Computer Architectures
- Three additional four-credit courses in
  - Computer Science, 2000 level or above
  - 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 four-credit courses in Mathematics, 2000 level or above

Two hours of Mathematics Problem Seminar  
CSC 4494/MAT 4494 Capstone Experience in Computer Science or Mathematics (1 hr.)

*Contacts: Dr. R. Boner, Mathematics*

#### ECONOMICS - BUSINESS GERMAN (64 hrs.)

- ECO 2201 Principles of Economics
- ECO 3303 Microeconomic Theory
- ECO 3320 Macroeconomic Theory
- ECO 4405 Capstone - History of Economic Thought (4405 must be taken at the College.)

Eight hours of Economics at the 3000 or 4000 level

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods

GER 1101 Elementary German

GER 1102 Elementary German

or for both GER 1103 Advanced Elementary German

GER 2211 Intermediate German I: Lang. & Culture

or GER 2212 Intermediate German II: Conv. & Comp.

GER 2221 Principles of German for Business

GER 3331 German for International Business

GER 4410 Capstone - Advanced Studies in German (4410 must be taken at the College)

One four-hour German course at the 3000 level

One additional German course taught in English from among:

GER 1111 German Cinema

GER 1125 From the Holocaust to German Unification

GER 1131 Culture of German Speaking Countries

GER 2231 German Women in Literature and Society

One semester spent studying abroad or one year in German House or Suite on campus

*Contacts: Dr. J. Olsh, Economics; Dr. Esa, Foreign Languages*

ECONOMICS - FOREIGN LANGUAGE\*\*  
(68 hrs.)

\*\*Programs are available in French, German, and Spanish

ECO 2201 Principles of Economics  
ECO 3303 Microeconomic Theory  
ECO 3320 Macroeconomic Theory  
ECO 4405 Capstone - History of Economic Thought (4405 must be taken at the College.)

Eight hours of Economics at the 3000 or 4000 level

STA 2215 Elementary Statistics for Social Science

STA 2216 Statistical Methods  
Foreign Language (FRE, GER, or SPA)

1101 Elem. Foreign Lang. I

1102 Elem. Foreign Lang. II or 1103  
Elementary Foreign Language for  
Advanced Beginners

2211 For. Lang. World & Culture I or another 2000-level course.

2212 For. Lang. World & Culture II or another 2000-level course.

4410 Capstone - Adv. Studies in For. Lang. II (4410 must be taken at the College.)

Three additional Foreign Language courses only one of which may be taught in English.

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

*Contacts: Dr. J. Olsh, Economics; Dr. 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 Romanticism

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. Mangan, English; Dr. T. Evergates, 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 & Contemporary

*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. Mangan, 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 4450 Directing OR THE 4460 Drama Workshop (Culminating Capstone courses)

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

Two courses from:

- THE 2232 Creating A Character
- THE 2234 Voice & Movement for the Actor
- THE 2244 Theatre Management
- THE 3354 Set Design
- THE 3356 Lighting Design
- THE 3358 Costume & Make-up Design
- THE 3326 Playwriting
- THE 3332 Scene Study
- THE 3333 Classical Acting Styles
- THE 3335 Modern Acting Styles

One course from:

- THE 3321 Performance Laboratory
- THE 3322 Management Laboratory
- THE 3323 Production Laboratory
- THE 3325 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

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. Mangan, 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, 2000 level or above

Foreign Language 1101, 1102 (or 1103), 2211 (or another 2000-level course), 2212 (or another 2000-level course), 4410 (Capstone)

(4410 must be taken at the College)

Four additional Foreign Language courses; only one may be taught in English

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

*Contacts: Dr. Motard-Noar, Foreign Languages; Dr. T. Evergates, History*

FOREIGN LANGUAGE\*\* - POLITICAL SCIENCE (60 hrs.)

\*\*Programs are available in French, German, and Spanish.

Foreign Language 1101, 1102 (or 1103), two 2000-level courses, 4410 (Capstone)

(4410 must be taken at the College)

Four additional Foreign Language courses; only one may be taught in English on a relevant topic

(i.e., FRE/CCS 1123 or FRE 1131; GER 1111, GER 1125, GER 1131, or GER 2231; SPA/CLT 1125, SPA 1131, or SPA/CCS/HIS 2223)

One semester spent studying abroad or one year in residence in a language house on campus  
 PSI 1101 Intro. to Political Science  
 PSI 1111 Early Western Political Thought or  
 PSI 1112 Modern Western Political Thought  
 PSI 4492 Capstone-Senior Seminar  
 Three additional Political Science and International Studies courses

*Contacts: Dr. 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 on a relevant topic, such as

FRE 1131 The Culture of France or FRE 1123 The French-Speaking World  
 GER 1111 German Cinema, GER 1125 From the Holocaust to German Unification, GER 1131 Culture of German-Speaking Countries, or GER 2231 Women in German Literature & Society;  
 SPA 1131 Cultural History of Spain or SPA 2223 Cultural History of Latin America  
 One semester spent studying abroad or one year in residence in a language house on campus.

SOC 1104 Introduction to 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 2206, 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

*Contacts: Dr. Motard-Noar, Foreign Languages; Dr. Lemke, Sociology*

#### 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. T. Evergates, 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 3306 Thermodynamics  
 MAT 4494 Capstone Experience in Mathematics (1 hr.) or PHY 4491 Capstone - Physics Seminar (1 hr.)

*Contacts: Dr. R. Boner, Mathematics; Dr. Mian, Physics*



## MUSIC - THEATRE ARTS (60 hrs.)

*Required:*

THE 1111 Stagecraft

THE 4450 Directing OR THE 4460 Drama

Workshop (Culminating Capstone courses)

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 &amp; Culture

THE 2284 Modern American Drama

Two courses from:

THE 2232 Creating A Character

THE 2234 Voice &amp; Movement for the Actor

THE 2244 Theatre Management

THE 3354 Set Design

THE 3356 Lighting Design

THE 3358 Costume &amp; Make-up Design

THE 3326 Playwriting

THE 3332 Scene Study

THE 3333 Classical Acting Styles

THE 3335 Modern Acting Styles

THE 3353 Musical Theatre Scene Study

One course from:

THE 3321 Performance Laboratory

THE 3322 Management Laboratory

THE 3323 Production Laboratory

THE 3325 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. Caldwell, Music; Prof. Domser, Theatre*

## PHILOSOPHY - RELIGIOUS STUDIES (50 hrs.)

REL 1102 Religion &amp; Culture or REL 1151

The Good Life

REL 2240 Religion &amp; 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 &amp; Business

PHI/REL 2211 Issues of Social Justice

PHI/BIO 3350 Bioethics

Two additional courses in Philosophy, 2000 level or higher

Two hours of:

PHI 2291 Directed Readings in Philosophy, REL 2291 Directed Readings in Religious Studies

PHI 4492 Capstone - Senior Thesis, or

REL 4492 Capstone - Senior Thesis

*Contact: Dr. 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 considered. The curriculum includes an emphasis on human behavior and the social environment and its relationship to public opinion, administration, interest groups, and campaign politics. Students are required to participate in an internship during their senior year in a public agency, which involves an integration of macro- and micro-level issues and activities. This major should be strongly considered by students who have a career interest in community organization, social action legislation, and policy-making. Several graduate schools, including the University of Maryland, offer simultaneous degrees in social work and law.

### *Required Social Work courses (44 hrs.)*

- SWK 2202 The Family
- SWK 2214 Human Behavior in the Social Environment
- SWK 2217 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 2265 International Human Rights\*
- PSI 2265 Identity Politics\*
- PSI 3333 Conflict Resolution
- \*Special Topics courses presently offered 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 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. Hughes, Psychology; Dr. Lemke, Sociology*

# College Organization

## Presidents

1867-1886	<b>James Thomas Ward, D.D.</b>
1886-1920	<b>Thomas Hamilton Lewis A.B., A.M., D.D., LL.D.</b>
1920-1935	<b>Albert Norman Ward A.B., A.M., D.D., LL.D.</b>
1935-1947	<b>Fred Garrigus Holloway A.B., B.D., D.D., LL.D., L.H.D.</b>
1947-1972	<b>Lowell Skinner Ensor B.A., B.D., D.D., L.H.D., LL.D.</b>
1972-1984	<b>Ralph Candler John B.A., S.T.B., S.T.M., Ph.D., L.H.D., Litt.D., D.H.L.</b>
1984-2000	<b>Robert Hunter Chambers, III A.B., B.D., Ph.D.</b>
2000-	<b>Joan Develin Coley A.B., M.Ed., Ph.D.</b>

## Chairs of the Board

1868-1892	<b>John Smith, Esq.</b>
1892-1897	<b>The Reverend James Thomas Ward, D.D.</b>
1897-1913	<b>Joshua Webster Hering, A.M., M.D., LL.D.</b>
1914-1918	<b>Charles Billingslea, D.D.S.</b>
1919-1922	<b>Elias Oliver Grimes, Esq.</b>
1922-1928	<b>The Reverend Francis T. Little, D.D.</b>
1929-1949	<b>The Bishop James Henry Straughn, B.A., D.D., LL.D.</b>
1949-1963	<b>Franklin Murray Benson, B.A., LL.B., LL.D.</b>
1963-1968	<b>Brigadier General Robert Joshua Gill, B.A., LL.B., LL.D.</b>
1968-1971	<b>Joshua Weldon Miles, B.A., LL.B., LL.D.</b>
1971-1982	<b>Wilbur Day Preston, Jr., B.A., J.D., D.C.L.</b>
1982-1986	<b>Robert Edwin Bricker, B.A., LL.D.</b>
1986-1991	<b>William Sorrell Keigler, B.S., L.H.D.</b>
1991-1996	<b>Millard Lee Rice, B.A., Sc.D.</b>
1996-	<b>James Irvin Melhorn, A.B., M.Div.</b>

## **Board of Trustees**

*Date in parentheses indicates year of election to the Board of Trustees. City and state indicate place of residence.*

### **Richard D. Adams** (1997)

Mercantile Investment & Wealth  
Management Division  
Severna Park, Maryland

### **George R. Benson, Jr.** (1996)

Annapolis, Maryland

### **Carol A. Carter '69** (1993)

Vice President, University Advancement  
Duquesne University  
Pittsburgh, Pennsylvania

### **Wayne K. Curry '72** (1990)

Member of The Murphy Firm  
Upper Marlboro, Maryland

### **William B. Dulany '50, L.L.D., '89** (hon) (1976)

Managing Partner  
Dulany, Leahy, Curtis & Williams L.L.P.  
Westminster, Maryland

### **Mary Lynn Durham '71** (2003)

Mary Lynn Durham LPA Co.  
Shaker Heights, Ohio

### **William Elliott '70** (2000)

President, Elliott & Associates  
Chicago, Illinois

### **John A. Emens '66** (1996)

Vice President & Deputy Head  
Export-Import Bank of the United States  
Washington, D.C.

### **Philip G. Enstice '71**

Senior Vice President  
Mercantile-Safe Deposit and Trust Company  
Ellicott City, Maryland

### **Jerome H. Fader '56** (1997)

President & COO,  
Atlantic Automotive Corp.  
Baltimore, Maryland

### **J. Elizabeth Garraway LL.D. '84** (hon.) (2003)

President Emerita  
Maryland Independent College and  
University Association  
Annapolis, Maryland

### **Kenneth R. Gill '61** (2002)

Chairman, Gill Group, Inc.  
Crofton, Maryland

### **Joel Goldblatt '68** (2003)

Managing Member  
Spire Capital Partners, LP  
Manasquan, New Jersey

### **Kevin F. Hanley '72** (1993)

Orthopedic Surgeon  
Davidsonville, Maryland

### **Martin K. P. Hill** (1993)

President  
Hill Development Group, LLC  
Lineboro, Maryland

### **Donald P. Hutchinson** (2003)

President & CEO  
SunTrust Bank  
Baltimore, Maryland

### **David M. Jernigan** (2003)

Senior Vice President & Director of Northern  
Division  
Legg Mason Wood Walker, Inc.  
Cockeysville, Maryland

### **Steven D. Kesler** (1997)

Reisterstown, Maryland

### **Carolyn P. Landis** (1993)

Managing Member  
Catalyst Partners, LLC  
Key Biscayne, Florida

### **Laura L. Lange** (1998) (one year leave of absence)

Senior Vice President & Director  
Legg Mason Wood Walker, Inc.  
Monkton, Maryland

### **James I. Melhorn** (1993)

President/CEO  
EMA, Inc.  
Baltimore, Maryland

**Frank H. Menaker, Jr.** (1992)  
Sr. Vice President and General Counsel  
Lockheed Martin Corporation  
Potomac, Maryland

**Albert J. Mezzanotte, Jr.** '78 (1997)  
Managing Partner  
Whiteford, Taylor & Preston L.L.P.  
Sykesville, Maryland

**Charles E. Moore** '71 (1993)  
Davidsonville, Maryland

**Carol S. Parham** (1997)  
Professor of Practice  
University of Maryland College Park  
Annapolis, Maryland

**Caryl E. Peterson** '58 (1992)  
Professor of Biology Emerita  
Towson University  
Lutherville, Maryland

**Bruce H. Preston** '75 (1995)  
Preston Realty, LLC  
Baltimore, Maryland

**Diane Rehm, D. Journ.** '92 (hon.) (1994)  
Host and Executive Producer  
The Diane Rehm Show  
Bethesda, Maryland

**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

**Carolyn L. Scott, B.A.** '67; **M.L.A.** '76 (1996)  
Community Leader & Real Estate Manager  
Manchester Manor  
Westminster, Maryland

**Dennis G. Sisco** '68 (1999)  
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)  
Minister of Foreign Affairs, Republic of Hungary  
Director for EU Integration and International Regulatory Affairs of  
MATAV Hungarian Telecommunications Company Limited  
Budapest, Hungary

**Barbara A. Thomas** '70  
Okatie, South Carolina

**Constance M. Unseld** (1999)  
Educational Director, Unselds' School  
Baltimore, Maryland

**George F. Varga** '61; **H.H.D.** '92 (hon.) (1989)  
Former President and CEO, Tungsram Co., Ltd.  
Aventura, Florida

**Nancy C. Voss** '54 (1981)  
Educator (Retired)  
Denton, Maryland

**Robert E. Warfield** (2004)  
Residential Broker  
Ocean City, Maryland

**Michael E. Weinblatt** '71 (1994)  
Professor of Medicine, Harvard Medical School  
Director of Clinical Rheumatology  
Brigham & Women's Hospital  
Waban, Massachusetts

**Leslie A. Wiley** (1999)  
President, TYL Associates  
Washington, D.C.

**James H. Yates** '72 (2003)  
President/CEO  
N.H. Yates & Company, Inc.  
Phoenix, Maryland

## **Emeriti Trustees**

**Robert E. Bricker '42; LL.D. '84** (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

**Wilbur D. Preston, Jr. '44; D.C.L. '75**  
(hon.) (1967)

Chairman, Whiteford, Taylor & Preston,  
L.L.P.  
Towson, Maryland

**Alleck A. Resnick '47; D.C.L. '81** (hon.)  
(1972)

Attorney  
Baltimore, Maryland

**Rebecca G. Smith '37** (1976)

Educator (Retired)  
Easton, Maryland

**Lloyd B. Thomas** (1980)

President (Retired)  
Thomas, Bennett and Hunter, Inc.  
Westminster, Maryland

## **Honorary Trustees**

**Laurence J. Adams L.H.D. '93** (hon.)  
(1992)

President/COO (Retired)  
Martin Marietta Corporation  
Potomac, Maryland

**Charles C. Fenwick, Sr.** (1978)

Chairman, Valley Motors, Inc.  
Glyndon, Maryland

**Dorothy P. John** (2002)

Berlin, Maryland

**Elizabeth J. Marshall** (1994)

Landscape Architect  
Sykesville, Maryland

**Ann K. W. McCool '38** (1988)

Retired Educator and Owner/Manager  
Walls' Apartments  
Rehoboth Beach, Delaware

**Margaret Lee Tawes '32** (1994)

Community Leader  
Crisfield, Maryland

## **Officers of the Board**

Chair: **Mr. Melhorn**

Chair Emeriti: **Mr. Preston, Mr. Bricker,  
Mr. Keigler, Mr. Rice**

Vice Chair: **Mr. Hill**

## **Alumni Visitors to the Board**

President, **Pamela H. Zappardino** ('71)  
Westminster, MD

President-Elect, **Carroll L. Yingling** ('68)  
Westminster, MD

Executive Secretary, **Robin Adams  
Brenton** ('86)  
Hanover, PA

## **Faculty Visitors to the Board**

**Francis "Skip" Fennell**, Professor of  
Education (2005)

**Kathy S. Mangan**, Professor of English  
(2006)

**Jean H. Shin**, Assistant Professor of  
Sociology (2007)

**Harry L. Rosenzweig**, Professor of  
Mathematics (alternate)



## Student Visitors to the Board

**Heather J. Kirwood** ('05), White Hall, MD

**Dustin L. Jeter** ('06), Germantown, MD

**Emily Funk** ('07), Salisbury, MD

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President, **Joan Develin Coley**

Provost and Dean of the Faculty, **Thomas M. Falkner**

Dean and Vice President of Student Affairs, **Philip R. Sayre**

Vice President, Institutional Advancement, **Richard G. Kief**

Vice President, Administration and Finance, **Ethan A. Seidel**

Vice President, Enrollment Management & Dean of Admissions, **M. Martha O'Connell**

## Academic Affairs

**Thomas M. Falkner**, Provost and Dean of the Faculty  
A.B., LeMoyne College; M.A., Ph.D., SUNY-Buffalo

**Michael R. Rosenthal**, Special Assistant to the Provost  
B.A., Case Western Reserve University; M.S., Ph.D.,  
University of Illinois at Urbana-Champaign

**Jean Shin**, Associate Dean of Academic Affairs for First Year Students  
B.A., University of Virginia; M.A., Ph.D., Indiana University

**Sherri L. Hughes**, Associate Dean of Academic Affairs  
B.A., Davidson College; M.S., Ph.D., Georgia Institute of Technology

**Henry B. Reiff**, Associate Dean of Academic Affairs  
A.B., Princeton University; M.Ed., Ph.D., University of New Orleans

**Jan C. Fazzari**, Institutional Research Analyst  
B.A., University of Maryland Baltimore County; M.S., Western Maryland College\*

**Anna M. Thomas**, Executive Secretary

**Gretchen Krehling McKay**, Director of the Honors Program  
B.A., Colby College; M.A., Ph.D., University of Virginia

**Thomas G. Deveny**, Assistant Director of the Honors Program  
B.A., State University of New York-Albany; M.A., University of Florida;  
Ph.D., University of North Carolina

**Kevin D. Selby**, Director, Student Academic Support Services  
B.S., Frostburg State University; M.S., Western Maryland College\*

**Susan C. Dorsey**, Co-Director, Student Academic Support Services  
B.A., University of Maryland, Baltimore County; M.S., Western Maryland College\*

**Carrie A. Waddell**, Learning Specialist, Student Academic Support Services  
B.A., McDaniel College

**Lynda M. Casserly**, Coordinator of Interpreting/Transcribing Services  
B.S., Saint Bonaventure University

**Constance J. Newton**, Staff Interpreter/Braille Services Coordinator  
B.S., Indiana State University; M.S., Butler University

**Lisa M. Breslin**, Coordinator of the Writing Center  
B.A., Colorado College; M.A., Indiana University

**Joshua A. Selzer**, Arts Manager  
B.A., Western Maryland College\*; M.F.A., California Institute of the Arts

**Zephia M. Bryant**, Director of Multicultural Services  
B.A., M.P.A., Jacksonville State University

**Walter M. Michael**, Artist in Residence & Executive Director of Common Ground on the Hill  
B.A., Western Maryland College\*

\*McDaniel College

## **Administration and Finance**

**Ethan A. Seidel**, Vice President,  
Administration and Finance  
B.A., The Johns Hopkins University; M.B.A.,  
Wharton Graduate School, University of  
Pennsylvania; Ph.D., The Johns Hopkins  
University

**Arthur S. Wisner**, Director of Financial  
Services/Treasurer  
B.S., Iowa State University

**Kimberly A. Seeley**, Director of Financial  
Planning & Budget/  
Assistant Treasurer  
B.S., Towson University

**Clement J. Ani**, Senior Accountant  
B.S., Central State University; M.B.A.,  
Morgan State University

**Barbara J. Kashen**, Payroll and Accounts  
Payable Manager  
B.A., M.A., Western Maryland College\*

**Maureen L.T. Meloche**, Administrative  
Assistant

**Ernest L. Ogle**, Telecommunications  
Manager

## **Admissions**

**M. Martha O'Connell**, Vice President,  
Enrollment Management & Dean of  
Admissions  
B.S., M.Ed., Rutgers University

**Julie A. Jones**, Senior Associate Director of  
Admissions  
B.A., Western Maryland College\*

**Stephanie D. DeSanctis**, Associate  
Director of Admissions  
B.A., Washington College

**Jill R. Morsberger**, Associate Director of  
Admissions  
B.S., Villa Julie College

**Heidi M. Reigel**, Associate Director of  
Admissions  
B.A., Western Maryland College\*

**Jason A. Doll**, Assistant Director of  
Admissions  
B.S., Pennsylvania State University

**Gina M. Rende**, Assistant Director of  
Admissions  
B.A., Western Maryland College\*

## **Alumni Relations & Annual Giving**

**Robin Adams Brenton**, Associate Vice  
President for Alumni Relations &  
Annual Giving  
B.A., Western Maryland College\*

**Cathleen B. Nosel**, Associate Director of  
Alumni Relations & Annual Giving  
B.S. & M.A., Indiana University of  
Pennsylvania

**Kathryn E. Crowe**, Associate Director of  
Alumni Relations & Annual Giving  
B.A., Western Maryland College\*

**John G. Boyle**, Assistant Director of  
Alumni Relations & Annual Giving  
B.S., Boston University

**Kristin C. Lister**, Assistant Director of  
Alumni Relations & Annual Giving  
B.A., Western Maryland College\*

**TBD**, Assistant Director of Alumni Relations  
& Annual Giving

## **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, **TBD**

Women's Basketball, **Rebecca L. Martin**

Cross Country, **Douglas J. Renner**

Field Hockey, **Marjorie E. Bliss**

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, **Marjorie E. Bliss**

Men's Soccer, **John P. Plevyak**

Women's Soccer, **Thomas J. Gosselin**

Softball, **Philip D. Smith**

Swimming, **Catherine E. Easterday**

Men's Tennis, **Kevin T. Klunk**

Women's Tennis, **Sonya M. Fox**

Track, **Douglas J. Renner**

Volleyball, **Carole J. Molloy**

Wrestling, **Samuel Gardner**

### Biology

**Douglas C. Yust**, Lab Preparator  
B.A., Western Maryland College\*; M.S.,  
Johns Hopkins University

### Bookstore

**Kyle H. Meloche**, Manager, Book Store  
B.A., Western Maryland College\*

**Vickie Carlson**, Assistant Manager, Book  
Store

### Bursar's Office

**Susan L. Schmidt**, Bursar  
B.S., Towson University

**Harriett E. Corbran**, Assistant Bursar  
A.A., Brookdale Community College

### Campus Safety

**Michael N. Webster**, Director of Campus  
Safety  
B.S., Northeastern University; M.S., 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 F. 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 E. Muller**, Associate Vice President,  
Communications & Marketing  
B.S., Towson University

**Peggy D. Fosdick**, Director of  
Communications  
B.A., University of Delaware

**TBD**, Associate Director/Media Relations

**Susan E. Duke**, Office Manager & Public  
Information Assistant

## **Conference & Auxiliary Services**

**Mary Jo Colbert**, Director of Conference  
& Auxiliary Services  
B.S., Erskine College; M.S., McDaniel  
College

**TBD**, Director of Conference Services

**Katherine L. Cousins**, Special Events  
Coordinator, Conference Services

**Cameron Smith**, General  
Manager/Executive Chef, Food Services

**Melvin J. Whelan**, Building Services  
Coordinator

## **Development**

**Steven P. Krahling-Haddad**, Associate  
Vice President of Development  
B.A., Indiana University at Bloomington

**Toni L. Condon**, Director of Major Gifts &  
Campaign Director  
B.A., University of Nebraska at Omaha;  
M.T.S.C., Miami University

**Gail S. Oppel**, Director of Gift Planning  
B.A., Goucher College

**Erika R. Seth**, Director of Corporate &  
Foundation Relations  
B.A., Georgetown University

**Marcus Lee Primm**, Director of Special  
Projects  
B.A., Western Maryland College\*

**Vicky E. Shaffer**, Director of Advancement  
Services

**Kimberly S. Parks**, Associate Director of  
Major Gifts  
B.A., Lynchburg College

**Martha Dudley Keller**, Associate Director  
of Major Gifts  
B.A., Duke University

**Debbie V. Leazer**, Assistant Director of  
Donor Relations

**Troy A. Smith**, Assistant Director for  
Prospect Research  
B.A., Catawba College

**Sandra V. Miller**, Special Events  
Coordinator

## **Education**

**Susan N. Travetto**, Coordinator of Teacher  
Professional Development  
B.S., University of Wisconsin-LaCrosse;  
M.A., Bowie State University;  
Ed.D., University of Maryland

**David A. Martin**, Instructional Support for  
ASL Studies  
B.A., Galludet; M.S., Western Maryland  
College\*

**Joan C. Epler**, PDS Liaison  
B.S., Towson University

**Gay J. Love**, PDS Liaison

**Donna L. McPartland**, PDS Liaison  
B.S., Towson University; M.Ed., Western  
Maryland College\*

**Nannabeth H. Sanders**, PDS Liaison  
B.S., Frostburg State University

## **Facilities Planning & Capital Projects**

**Edgar S. Sell, Jr.**, Director of Facilities  
Planning & Capital Improvements

**Philip R. Boob**, Director of Grounds &  
Special Events

**Joseph P. Bentz**, Director of Building  
Operations & Maintenance

**M. Elaine Simpson**, Work Order  
Coordinator

## Financial Aid

**Patricia M. Williams**, Director of Financial Aid  
B.S., M.A.S., The Johns Hopkins University

**Eleanor L. Geiman**, Assistant Director of Financial Aid

## School of Graduate & Professional Studies

**Kenneth W. Pool**, Dean of Graduate & 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

**Janet E. Conley**, Associate Coordinator of Deaf Education  
B.S., M.Ed., Western Maryland College\*;  
Ph.D., New York University

**Sheila R. Deane**, Programs Support Manager, Deaf Education & Teacher Professional Development Office

**Linda L. Parker**, Coordinator, C&I Program on Campus  
B.S., University of Delaware; M.A., Ph.D., University of Maryland

**Leslie J. Simpson**, Coordinator, Off-Campus Post Baccalaureate Offerings  
B.S., University of Maryland, College Park; M.Ed, Western Maryland College\*

**Randi D. Shamer**, Administrator, C&I and Off-Campus Programs  
A.A., Carroll Community College

**Crystal L. Perry**, Administrator of Graduate Records

## Human Resources

**Thomas G. Steback**, Director of Human Resources  
A.A., Marietta College; B.S., St. Francis College;  
M.S., Western Maryland College\*

**Juanita A. Feustel**, Benefits and Employment Manager

## Information Technology

**Christine J. Mathews**, Director of Information Technology  
B.A., Salem College; M.S., Hood College

**Steve A. Kerby**, Director of Instructional Technology  
B.A., Texas Wesleyan University

**Kevin W. Clark**, Colleague System Administrator  
B.S., Highpoint University

**Cathy S. Brown**, Colleague System Administrator  
A.A., Frederick Community College; B.A., M.S., Hood College

**Maxine A. Groft**, Systems and Network Administrator/Programmer  
B.A., M.S., Hood College

**Edward H. Holthouse, III**, Technical Services Specialist

**Wallace H. Newsome**, Programmer/Analyst  
B.A., Ohio Northern University

**Benjamin A. Koger**, Webmaster/Assistant Systems & Network Administrator  
B.A., Lynchburg College

**Amy S. Bell**, Web Advisor Administrator  
B.A., Hood College

**Anita A. Thiernian**, Software Support Specialist/Trainer  
B.A., McDaniel College

**Kellie J. Wuorinen**, Student Network Manager  
A.S., Devry Institute of Technology

**Christopher N. Palsgrove**, PC Support Technician

\*McDaniel College

## Institutional Advancement

**Richard G. Kief**, Vice President,  
Institutional Advancement  
B.S., St. Joseph's University

**Beverly G. Staub**, Executive Secretary  
B.S., Shippensburg University

## Library

**Michele M. Reid**, Chief Information  
Officer and Library Director  
B.A., University of Central Florida; M.A.,  
University of South Florida; M.A.,  
Rutgers University

**Linda J. Garber**, Acquisitions Supervisor  
B.S., Towson University

**Barbara J. O'Brien**, College Archivist  
A.A., Green Mountain College; B.A.,  
University of Maryland Baltimore County

**M. Roxane Brewer**, Cataloging Supervisor

**Lisa M. Russell**, Interlibrary Loan  
Supervisor  
B.A., University of Maryland Baltimore  
County

**Heshmat Badiee**, Coordinator of Audio-  
Visual Services

## Math/Computer Science

**Carolyn B. Boner**, Director, Math  
Proficiency Program  
B.S., Wittenberg University; M.A.T., Indiana  
University

## President's Office

**Joan Develin Coley**, President  
A.B., Albright College; M.Ed., Ph.D.,  
University of Maryland

**Mary Ann Friday**, Executive Assistant/  
Secretary of the College and the Board

**Susan J. Cullison**, Executive Secretary/  
Assistant Secretary of the College and the  
Board

## Purchasing and Support Services

**Margaret G. Bell**, C.P.M., Director of  
Purchasing & Receiving  
B.A., University of Maryland

**Larry S. Shockney**, Manager, Printing &  
Mailing Services

**Beverly J. Herndon**, Support Services  
Assistant, Central Services

**Esther E. Griffith**, Support Services  
Assistant, Post Office

## Registrar

**Jan A. Kiphart**, Registrar  
B.S., Colorado State University

**Diane M. Morris**, Associate Registrar  
B.A., M.A., Western Maryland College\*

**Kathleen A. Rice**, Assistant Registrar for  
Graduate & Professional Studies  
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

## Residence Life

**Stephanie D. Cook**, Residence Life  
Coordinator  
B.S., Pennsylvania State University

**Amanda D.G. Isaac**, Residence Life  
Coordinator  
B.A., High Point University; M.A., Virginia  
Tech

**Rachel L. Spencer**, Residence Life  
Coordinator  
B.A., Western Maryland College\*; M.A.,  
McDaniel College

**TBD**, Residence Life Coordinator



## 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

## Study Abroad

**Rose R. Falkner**, Coordinator of Study Abroad  
B.A., College of Notre Dame of Maryland;  
M.Ed., Kent State University

## Emeriti

*The dates in parentheses following the listing of each person are the dates of first appointment and retirement. Persons are listed in order of retirement from the College.*

## Emeriti Administration

**Philip Elwood Uhrig**, B.A., M.Ed.  
Director of Alumni Affairs Emeritus (1949-1980)

**Philip Blettner Schaeffer**, B.A.  
Vice President for Business Affairs & Treasurer  
Emeritus (1959-1982)

**Leonard Stanley 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 Pédagogique de Lille,  
Licence de l'Académie de Paris, Mention  
Honorifique en Pédagogie de l'Académie de Paris  
Assistant Professor of French Emeritus (1963-1976)

**Jean Kerschner**, A.B., Ph.D.  
Professor of Biology Emerita (1952-1980)  
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)

**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., Ph.D.  
Professor of Political Science & International  
Studies  
Emeritus (1969-1998)

**Stephen Wheeler Colyer**, A.B., M.A.,  
Ph.D.  
Associate Professor of Psychology Emeritus  
(1970-1999)

**Donald Eugene Jones**, A.B., Ph.D.  
Professor of Chemistry Emeritus (1963-1999)

**Joan Rita Weyers**, B.S., M.Ed.  
Assistant Professor of Exercise Science and  
Physical Education  
Emerita (1963-1999)

**Alton Dennis Law**, B.S., M.S., Ph.D.  
Professor of Economics Emeritus (1966-  
2000)

**Richard W. Dillman**, B.E.S., M.S.  
Associate Professor of Communication  
Emeritus (1981-2001)

**Harold David Neikirk**, A.B., M.A., M.L.S.  
Librarian Emeritus (1987-2002)

**Howard Bernard Orenstein**, B.A., M.A.,  
Ph.D.  
Associate Professor of Psychology Emeritus  
(1971-2002)

**Nancy Baugh Palmer**, B.S., M.A.  
Senior Lecturer of English Emerita (1965-  
2002)

**William Clinton Chase**, A.B., J.D., Ph.D.  
Associate Professor of History Emeritus  
(1981-2003)

**Wasył Palijczuk**, B.A., M.A., M.F.A.  
Professor of Art Emeritus (1967-2003)

**Daniel Anthony Williams**, B.A., M.A.,  
Ph.D.  
Associate Professor of Foreign Languages  
Emeritus (1972-2003)

**Laurence Ching-Fang Wu**, B.A., M.A.,  
Ph.D.  
Associate Professor of Philosophy & Religious  
Studies Emeritus (1976-2003)

**Howard Samuel Case**, B.S., M.Ed., Ph.D.  
Professor of Exercise Science & Physical  
Education Emeritus (1965-2004)

**Linda Ruth Eshleman**, B.S., M.A., Ph.D.  
Professor of Mathematics and Computer  
Science Emerita (1969-2005)

**Robert Patrick Reed**, B.S., M.A., Ph.D.  
Associate Professor of History Emeritus  
(1989-2005)

## Faculty

**Gregory D. Alles**, Professor of Religious  
Studies, B.A., Valparaiso University; M.A.,  
The Divinity School, University of Chicago;  
M.Div., Lutheran School of Theology; Ph.D.,  
The Divinity School, University of Chicago.  
(1987)

**George Samuel Alspach, Jr.**, Professor of  
Biology, A.B., Antioch College; M.S., Ph.D.,  
Oregon State University. (1969)

**Robin Armstrong**, Associate Professor of  
Music, B.M., M.A., California State  
University; Ph.D., The University of  
Michigan. (1995)

**Mary M. Bendel-Simso**, Associate  
Professor of English, B.A., The College of St.  
Catherine; M.A., Ph.D., The State University  
of New York at Binghamton. (1995)

**Marjorie Eastman Bliss**, Coach Lecturer,  
Field Hockey and Women's Lacrosse Head  
Coach, B.A., Goucher College. (2004)

**Susan Ruddick Bloom**, Professor of Art,  
B.F.A., M.F.A., The Maryland Institute  
College of Art. (1986)

**Bo Ann Bohman**, Assistant Professor of  
Education, B.A., Shepherd College; M.Ed.,  
Shippensburg State University; Ph.D.,  
University of Maryland. (2004)

**Robert Philip Boner**, Professor of  
Mathematics, A.B., Rockhurst College; A.M.,  
Indiana University; Ph.D., University of  
Notre Dame. (1970)

**Margaret A. Boudreaux**, Professor of  
Music, B.M., University of Arizona, Tucson;  
M.Mus., University of Oregon, Eugene;  
D.M.A., University of Colorado, Boulder.  
(1989)

**Peter Bradley**, Assistant Professor of  
Philosophy, B.A., Antioch College; Ph.D.,  
Temple University. (2004)

**Michael Mathison Brown**, Professor of  
Biology, B.S., Lebanon Valley College; Ph.D.,  
University of Delaware. (1968)

**Jill R. Burkert**, Assistant Professor of  
Education, B.S., Mary Washington College;  
M.Ed., George Mason University; Ph.D.,  
University of South Florida, Tampa. (2003)

**Eric Byrd**, Lecturer in Music, B.A., Western  
Maryland College\*; M.A., Morgan State.  
(2002)

**Glenn G. Caldwell**, Professor of Music,  
B.S., North Carolina Agricultural and  
Technical State University; M.Ed., Rutgers  
University; M.A., Ph.D., The Ohio State  
University. (1991)

**James Richard Carpenter, Jr.**, Professor  
of Exercise Science and Physical Education,  
B.S., West Virginia Wesleyan College; M.Ed.,  
Western Maryland College\*; Ed.D., West  
Virginia University. (1969)

**Rebecca Carpenter**, Associate Professor of  
English, B.A., Amherst College; Ph.D.,  
University of California, Berkeley. (1995)

**Joseph L. Carter, Jr.**, Senior Lecturer in  
Business Administration and Internship  
Coordinator, B.A., Western Maryland  
College\*; M.B.A., The Johns Hopkins  
University. (1981)

**Jack E. Clark**, Associate Professor of  
Mathematics, B.S., Massachusetts Institute of  
Technology; M.S., Ph.D., Stanford  
University. (1978)

**Richard J. Claycombe**, Professor of  
Economics and Business Administration,  
B.A., DePauw University; M.Phil., Ph.D.,  
George Washington University. (1981)

**Joan Develin Coley**, Professor of Education, President, A.B., Albright College; M.Ed., Ph.D., University of Maryland. (1973)

**Sharon Craig**, Assistant Professor of Education, B.S., University of Arizona; M.S., Western Maryland College; Ed.D., University of Maryland (2000)

**Terence A. Dalton**, Professor of English, B.A., Lafayette College; M.A., The Pennsylvania State University. (1990)

**Christian de Pee**, Assistant Professor of History, M.A., Leiden University; Ph.D., Columbia University. (2004)

**Thomas George Deveny**, Ralph and Dorothy John Professor in the Humanities, Professor of Foreign Languages, B.A., State University of New York-Albany; M.A., University of Florida; Ph.D., University of North Carolina. (1978)

**Kathryn E. Dobson**, Assistant Professor of English, B.S., Vanderbilt University; M.A., Ph.D., University of Maryland, College Park. (2003)

**Ira F. Domser**, Professor of Theatre Arts, B.A., Utica College of Syracuse University; M.F.A., Boston University. (1981)

**Lauren Dundes**, Associate Professor of Sociology, B.A., Stanford University; M.H.S., D.S., The Johns Hopkins University. (1996)

**Catherine A. Easterday**, Coach Lecturer and Head Swimming Coach, B.A., Denison University. (1976)

**Steven C. Eckard**, Senior Lecturer in Music. (2002)

**Kyle Engler**, Senior Lecturer in Music, B.Mus., M.Mus., Peabody Institute of The Johns Hopkins University. (2002)

**Mohamed Esa**, Associate Professor of Foreign Languages, M.A., Ph.D., University of Heidelberg. (1994)

**Donna Evergates**, Associate Professor of Foreign Languages and History, B.A., Goucher College; Ph.D., The Johns Hopkins University. (1987)

**Theodore Evergates**, Professor of History, A.B., Brown University; Ph.D., The Johns Hopkins University. (1973)

**Thomas M. Falkner**, Professor of Classics, Provost and Dean of the Faculty, A.B., LeMoyne College; M.A., Ph.D., SUNY (Buffalo). (2004)

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**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)

**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, UK. (2000)

**Hogan Hayes**, English, B. A., University of Wisconsin; M.A., University of California (2004)

**József Horváth**, Assistant Professor of Economics, M.S., Budapest University of Economics. (1997)

**Laszlo Horvath**, Assistant Professor of Economics, M.S., Budapest University of Economics. (1998)

**Liia Karsakova**, Political Science, B.A., Samara State University, Russia; M.A., Central European University, Budapest (2005)

**Cristina Medilo Kiss**, Economics, M.A., University of the Philippine (2005)

**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 Sándor Pintér**, History, Diploma, Sverdlovsk Law School, USSR; M.A., Harvard University; J.D., Eötvös Loránd University of Liberal Arts and Sciences; Ph.D., Hungarian Academy of Sciences. (1994)

**Attila Pók**, History, M.A., Ph.D., Eötvös Loránd University of Liberal Arts and Sciences. (1994)

**Réka Ránky**, Physical Education, B.S., Budapest Business School; M.S., University of Physical Education, Budapest (2004)

**Mariann Rigó**, Economics, M.S., Budapest University of Economic Sciences and Public Administration; M.A., Central European University, Budapest (2005)

**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 Tör**, 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)

**Steven Utzig**, World Music, B.A., Coe College; Masters in Music, University of Minnesota (2005)

# Endowed Scholarships and Loans

For more information regarding scholarships, funds, and awards, please contact the Office of Institutional Advancement at 410-857-2251.

## **Scholarships**

The Alumni Classes Memorial Scholarship Fund

The Dr. George Stansbury Baker Memorial Scholarship Fund

The Richard J. Baker and Jean L. Baker Scholarship Fund

The William G. Baker, Jr. Scholarship Fund

The Ballard-McDonald Treasure Seekers Scholarship Fund

The Barnes Scholarship Fund

The Albert Neumann Barrenger '45 Scholarship Fund

The Paul L. Bates Memorial Scholarship Fund

The D. Robert '43 and Edna Haller '46 Beglin Scholarship Fund

The Darryl G. Behrman Memorial Scholarship Fund

The Wilmer V. and Alice H. Bell Memorial Scholarship Fund

The Clarence H. and Dorothy Gilligan Bennett Memorial Scholarship Fund

The Dennis F. '45 and Margaret Fredrich '45 Blizzard Memorial Scholarship Fund

The Doris Kemp Boone '46 Endowed Scholarship Fund

The Margaret A. Bowers Scholarship Fund

The Bessie C. Branin Music Scholarship Fund

The Arthur Gorsuch "Otts" Broll Endowed Scholarship Fund

The George E. Brown Family Memorial Scholarship Fund

The Peter H. Büttner Memorial Scholarship Fund

The Franklin L. Byers and Louise C. Byers Memorial Scholarship Fund

The Virginia Calloway Scholarship Fund  
The William W. Chase Scholarship Fund  
The Class of 1932 Scholarship Fund  
The Class of 1939 Extra Mile Scholarship Fund

The Class of 1962 Scholarship Fund

The Class of 1963 Scholarship Fund

The Katharine H. Clower Memorial Scholarship Fund

The Catherine W. Cockburn Scholarship Fund

The James F. and Hazel Gompf Coleman Scholarship Fund

The Samuel '36 and Elizabeth Rankin '41 Corbin Endowed Scholarship Fund

The Crawley Scholarship Fund

The Dahlka Family Scholarship Fund

The Laura Panebaker Darby Scholarship Fund

The Hugh '69 and Kathy Dawkins Scholarship Fund

The Julie Ann Dawson Memorial Scholarship Fund

The John DeMey '62 Memorial Scholarship Fund

The Lillian Frey Dexter, Class of 1934, and Edward B. Dexter Scholarship Fund

The William and Winifred Dulany Scholarship Fund

The Lowell R. Duren Mathematics Scholarship Fund

The Dorothy Elderdice International Student Scholarship Fund

The Lloyd M. '33 and Ruth G. '34 Elderdice Memorial Scholarship Fund

The Ellin Scholars Fund

The Dr. Homer O. and Laura Breeden Elseroad Scholarship Fund

The Joseph Englar Scholarship Fund

The Charles "Rip" and Mary Broughton Engle Scholarship Fund

The Eloise B. and Lowell S. Ensor Scholarship Fund

The Dr. James D. Essig Memorial Scholarship Fund  
 The Dr. Page Etchison/Dr. Willis Morse Memorial Scholarship Fund  
 The Jerome H. '56 and Rheda Fader Scholarship Fund  
 The Charles and Mary Falkenstein Memorial Scholarship Fund  
 The Beulah and John Farson Memorial Scholarship Fund  
 The William A. '48 and Esther "Bonnie" Gutbub '49 Finck Scholarship Fund  
 The Gaither Lee Fischbach, Jr. Memorial Scholarship Fund  
 The Richard C. Flavin, Jr. Memorial Scholarship Fund  
 The Benjamin E. Fleagle Memorial Scholarship Fund  
 The Benjamin E. Fleagle and Rena F. Kennedy Scholarship Fund  
 The Charles '32 and Lois Forlines Scholarship Fund  
 The Arthur Pue and Amanda Clark Forsyth Memorial Scholarship Fund  
 The Sterling F. "Sheriff" and Virginia Karow Fowble Memorial Scholarship Fund  
 The Dr. Grace E. Fox Scholarship Fund  
 The Sidney M. Friedberg Scholarship Fund  
 The Samuel R. Frost '85 Memorial Scholarship Fund  
 The Eleanor B. Gaither Memorial Scholarship Fund  
 Arnold W. Garrett Memorial Scholarship Fund  
 The Idamae T. Riley Garrott Scholarship Fund  
 The Madeleine W. Geiman Scholarship Fund  
 The Mae Rowe Geist Endowed Scholarship Fund  
 The Hering Leister Giggard Educational Fund  
 The Ken '61 and Joanne '62 Gill Scholarship Fund  
 The L. Carleton Gooden Scholarship Fund  
 The William P. Grace Memorial Scholarship Fund  
 The Reverend Frank W. Grippin Memorial Scholarship Fund  
 The Norman M. and Eleanor H. Gross Scholarship Fund  
 The Anna Forsyth Grove Memorial Scholarship Fund  
 The Stephen Haje Memorial Scholarship Fund  
 The Betty Jean Hallmark Scholarship  
 The William L. Hawkins, Jr. '48 and Louise Sapp "Sunny" Hawkins '49 Scholarship Fund  
 The William Randolph Hearst Endowed Scholarship Fund  
 The Heinbaugh and Clayton Family Scholarship Fund  
 The Mark Helfrich Scholarship Fund  
 The James R. Hendon Memorial Scholarship Fund  
 The Edwin C. Hermann, Jr. '70 and Susan Burgard Hermann '77 Scholarship Fund  
 The Dorothy McDaniel Herr Memorial Scholarship Fund  
 The Jim Hindman Scholarship Fund  
 The Hines Scholarship Fund  
 The Ralph G. Hoffman Scholarship Fund  
 The Abbie White Holland Memorial Scholarship Fund  
 The Colonel Webster R. and Doris Mathias Hood Scholarship Fund  
 The Samuel and Elsie Hoover Scholarship Fund  
 The Gerald W. Hopple Memorial Scholarship Fund  
 The Henry P. and Gretchen Stein Hornung Scholarship Fund  
 The David Huddle '52 Memorial Scholarship Fund  
 The Paul S. and Carrie E. Hyde Memorial Scholarship Fund  
 The Dr. Alvey Michael Isanogle Memorial Scholarship Fund  
 The Philip J. and Doris L. Jenkins Scholarship Fund  
 The Virginia Hastings Johns Class of 1927 Scholarship Fund

- The Dorothy Reed Johnson Memorial Scholarship Fund
- The Florence Johnson Memorial Scholarship Fund
- The Harry C. Jones Scholarship Fund
- The Dr. John Bayley Jones Scholarship Fund
- The June Beaver Jordan Endowed Scholarship Fund
- The D. M. Keel Scholarship Fund
- The Myra Goodling Keigler Memorial Scholarship Fund
- The Drs. Kerschner, Royer, and Sturdivant Endowed Scholarship Fund
- The Richard C. and Catherine S. '46 Kiddoo Scholarship Fund
- The Richard W. '34 and Susannah Cockey '33 Kiefer Scholarship Fund
- The Doris Adair Howe Kilkuskie Memorial Scholarship Fund
- The Emma Bowen Kistler Scholarship Fund
- The Leon F. Lamb Memorial Scholarship Fund
- The Hilda C. Landers Scholarship Fund
- The Dr. Henry P. and Page Laughlin Scholarship Fund
- The Jeanine Lave Memorial Scholarship Fund
- The Lee Scholarship Fund
- The Eva L. Lewis Memorial Scholarship Fund
- The Dr. Annabel Glockler Liebelt '48 Scholarship Fund
- The James Lord, Jr. and Ruby K. Lord Scholarship Fund
- The D. Carlisle MacLea '22 Memorial Scholarship Fund
- The Frederick Malkus Scholarship Fund
- The Mann Family Scholarship Fund
- The Dr. Frank C. Marino Scholarship Fund
- The Kendrick M. '51 and Elizabeth Muth '54 McCall Scholarship Fund
- The Anna Kenney Walls McCool Scholarship Fund
- The William McCormick, Jr. Memorial Scholarship Fund
- The McDaniel Budapest Scholarship Fund
- The McDaniel College Community Scholarship Fund
- The John P. McGlaughlin and Shirley R. McGlaughlin '43 Memorial Scholarship Fund
- The Middendorf Foundation Scholarship
- The Gerald F. Minnaugh Scholarship Fund for Future Teachers
- The Veronica Kompanek '40 and Alvan N. '38 Moore Scholarship Fund
- The Mund Scholarship Fund
- The Beverly Schott Myers '60 and Jonathan P. Myers '61 Scholarship Fund
- The Dorothy "Dot" Myers Endowed Scholarship Fund
- The Sylvia Friedberg Nachlas Memorial Scholarship Fund
- The Elsie Held Naclerio and Thomas A. Naclerio Scholarship Fund
- The Nelson Family Scholarship Fund
- The Charlotte W. Newcombe Foundation Endowed Scholarship Fund
- The Nichols Scholarship Fund
- The R. Y. Nicholson Scholarship Fund
- The Nicodemus Scholarship Fund
- The Northrop Grumman Scholarship Fund
- The Opportunity Scholarship Fund
- The Sandra Lynne Parise Memorial Scholarship Fund
- The Eloise Chipman Payne Scholarship Fund
- The Austin E. Penn Endowed Scholarship Fund
- The Duane L. and Clementine Lewis Peterson Memorial Scholarship Fund
- The Michael James Pitts Scholarship Fund
- The Helen E. Porter Scholarship Fund
- The Wilbur D. Preston, Jr. Scholarship Fund
- The Ralph B. Price Scholarship Fund
- The Queen Anne's County Scholarship Fund
- The Donald R. Rabush '62 Scholarship Fund
- The Lewis C. Radford Memorial Scholarship Fund
- The Martha Harrison Ramsey Scholarship Fund
- The William C. and Isabel D. Rein Scholarship Fund
- The Charles Reisenweber Memorial Scholarship Fund

The Alleck A. '47 and Harriet S. Resnick  
 Scholarship Fund  
 The L. Kennard "Dusty" '34 and Mary Frey  
 Rhodes, Jr. Scholarship Fund  
 The Jean and Donald Richards Scholarship  
 Fund  
 The Ridgaway-Knott Scholarship Fund  
 The Ruth B. Rosenberg Scholarship Fund  
 The Lois Rowland Memorial Scholarship  
 Fund  
 The Isabel I. Royer Biology Scholarship Fund  
 The Isabel I. Royer Scholarship Fund  
 The Jesse C. and Ruth H. Royer Scholarship  
 Fund  
 The Fred '73 and Wanda Rudman  
 Scholarship Fund  
 The Reverend Russell Wells Sapp Memorial  
 Scholarship Fund  
 The Agnes B. and Robert D. Schreck  
 Memorial Scholarship Fund  
 The Donna Sellman Alumni Children Grant  
 Fund  
 The J. S. Reese Shanklin Scholarship Fund  
 The Walter and Judy Shober Family  
 Scholarship Fund  
 The John H. Simms Scholarship Fund  
 The James Herman and Marvel Jackson  
 Simpson Scholarship Fund  
 The Richard and Sue Singer Scholarship  
 Fund  
 The Emma Knox Sisco Memorial Scholarship  
 Fund  
 The Jessie Dubel Smith '20 Scholarship Fund  
 The Margaret F. Smith Scholarship Fund  
 The James D. Smyth, Jr. Memorial  
 Scholarship Fund  
 The Joseph Carroll '63 and Linda Mahaffey  
 '66 Spear Scholarship Fund  
 The Eleanor Wheeler '40 and Harry L.  
 Stalcup Scholarship Fund  
 The Mary Anne Thomas Stazesky '49  
 Scholarship Fund  
 The George L. and Sara Stern Memorial  
 Scholarship Fund  
 The Stone Scholarships Fund  
 The Florence E. Stoner Scholarship Fund

The Bishop James H. Straughn Scholarship  
 Fund  
 The Student Foundation Scholarship Fund  
 The George M. Sullivan Scholarship Fund  
 The Surdna Foundation Scholarship Fund  
 The William and Lucretia Tanner Scholarship  
 Fund  
 The Margaret Lee Tawes Scholarship Fund  
 The Dr. Charles Roberts Thomas Scholarship  
 Fund  
 The G. Frank Thomas Scholarship Fund  
 The Theron Barker Thompson Memorial  
 Scholarship Fund  
 The Metro J. Truly, Jr. Memorial Scholarship  
 Fund  
 The Henrietta Roop Twigg Memorial  
 Scholarship Fund  
 The William Tyeryar Scholarship Fund  
 The Maurice S. H. Unger Memorial  
 Scholarship Fund  
 The Varga Budapest Scholarship Fund  
 The Michael Victor Scholarship Fund  
 The Sidney H. Waghelstein '39 Memorial  
 Scholarship Fund  
 The Douglas A. Wagner Scholarship Fund  
 The C. Harry Wahmann Memorial  
 Scholarship Fund  
 The Leon and Betty Wahrhaftig Scholarship  
 Fund  
 The Douglas and Carolyn Powell '61  
 Walkling Scholarship Fund  
 The Margaret Wappler Memorial Scholarship  
 for Applied Music Fund  
 The Robert and Margaret Warfield  
 Scholarship Fund  
 The W. Edwin Warfield Memorial  
 Scholarship Fund  
 The George Henry and Georgie Milby '43  
 Washington Scholarship Fund  
 The William A. and Gladys B. Weech  
 Endowed Scholarship Fund  
 The Daniel I. Welliver, M.D. '50 Scholarship  
 Fund  
 The Joseph S. Whiteford Scholarship Fund  
 The Dr. and Mrs. Theodore M. Whitfield  
 Scholarship Fund



The Roger H. Willard Memorial Scholarship Fund  
 The Dr. Charles H. and Margaret V. Williams Scholarship Fund  
 The 1st Lt. George W. "Geordie" Williams Memorial Scholarship Fund  
 The Clarence M. Willis Scholarship Fund  
 The Anna May Gallion Wilson Memorial Scholarship Fund  
 The W. Wilson Wingate Memorial Scholarship Fund  
 The Winkelman Family Memorial Scholarship Fund  
 The William R. Winslow Scholarship Fund  
 The Mary Wooden Memorial Scholarship Fund  
 The Yingling Memorial Scholarship Fund  
 The B. Irene Young Pre-Medical Scholarship Fund  
 The Raymond L. and Jessie B. Young Scholarship Fund  
 The Karen Zadavec Scholarship Fund

### **Other Endowed Funds**

The Phyllis Elizabeth Geiser Ashcraft Memorial Fund  
 The Baker Chapel Endowment Fund  
 The Francis Eugene Belt Memorial Fund  
 The F. Murray Benson Memorial Fund  
 The B. Christopher Bothe Memorial Lectureship Fund  
 The L. S. Bowsbey, Jr. Endowment  
 The Burch/Stiller Endowment  
 The Robert H. Chambers Presidential Endowment  
 The Class of 1927 Endowed Library Fund  
 The Class of 1938 Music Fund  
 The Class of 1993 Endowed Book Fund for the Hoover Library  
 The Dunning Memorial Fund  
 The Eaton Endowment  
 The John T. and Birdie S. Ensor Memorial Fund  
 The Hilary A. Faw Loan Fund  
 The Katherine Frizzell Fund

The Laura Kendall Garland Endowed Fund for Music  
 The Maude Gesner Professor of Music Endowed Fund  
 The Samuel A. and Dorothy H. Graham and Robert R. and Ethel H. Jackson Endowed Fund  
 The Donald and Jeanne Heck College Activities Fund  
 The Edwin R. Helwig Science Endowment  
 The Eileen C. Henze Memorial Fund  
 The Tony and Sherry Hill Periodical Publications Fund  
 The Fred Garrigus Holloway Lectureship Fund  
 The Frank Hurt Tennis Fund  
 The Information Technology Endowment  
 The Dr. and Mrs. Edgar B. Jenkins Student Loan Fund  
 The Ralph and Dorothy John Professorship  
 The Ralph and Annette Johnson Fund  
 The Richard C. Johnson Memorial Fund  
 The Drs. Kerschner, Royer, and Sturdivant Growth Endowment  
 The Margaret Reisler Kishbaugh Memorial Fund  
 The Sharon L. Klompus Music Student Support Fund  
 The Evelyn C. Mackenzie Endowed Fund in Music  
 The Makosky Book Collection Fund  
 The Thomas F. Marshall Endowed Library Fund  
 The Corinthia Caldwell Meyls Memorial Fund  
 The George and Sally Bridges Meyls Memorial Fund  
 The Oscar Lafayette Morris Library Memorial Fund  
 The Ivah M. Norman Memorial Fund  
 The Edward Nygren Music Endowment  
 The Melvin D. Palmer Faculty Development Fund  
 The Col. Harry A. Patterson Memorial Fund  
 The Virginia Phillips '43 Endowed Library Fund

The Alleck A. and Harriet S. Resnick  
 Endowed Lecture Fund in International  
 Relations or Multicultural Studies  
 The Jean and Donald Richards Endowed  
 Fund for Chemistry  
 The Jean and Donald Richards Student  
 Research Fund  
 The Keith and Eleanor Richwine Collections  
 Room Endowment  
 The William and Edith Ridington Annual  
 Lectureship Fund  
 The E. McClure Rouzer Memorial Fund  
 The R. Christine Royer Faculty Development  
 Fund  
 The Evelyn Pusey Ruark Endowment  
 The Samuel and J. Corinne Schofield  
 Memorial Endowment in Chemistry  
 The Robert A. and Phyllis M. Scott  
 Endowment  
 The Frank E. Shipley Memorial Fund  
 The Richard Singer Student Research Fund  
 The Spinelli Endowed Fund for Faculty  
 Development  
 The Laura F. Stalnaker Scholarship Loan  
 Fund  
 The Grace T. Stewart Memorial Fund  
 The TARGET Endowment  
 The James Thompson Memorial Fund  
 The Tillman "Little" Baker Chapel Endowed  
 Fund  
 The Dr. McCay Vernon Fund for Support of  
 Deaf Education  
 The David '80 and Suzanne Wahrhaftig  
 Endowed Fund  
 The Robert E. and Margaret Hoey Warfield  
 Tennis Center Endowed Fund  
 The Wenner-Wingate Memorial Lecture on  
 the History and Literature of Sport Fund  
 The William J., Jr. and Laura Westervelt  
 Fund for Student Academic Support  
 Services  
 The Joseph S. Whiteford Fund  
 The Louise Scott Widdup Music Endowment  
 The Eugene "Stoney" Willis Memorial Fund  
 The Pauline L. and John F. Wooden, Jr.  
 Endowment

The Mr. and Mrs. William R. Woodfield, Sr.  
 Fund  
 The Ira G. Zepp Distinguished Teaching  
 Award Fund  
 The Ira G. Zepp Teaching Enhancement  
 Grant Fund

## **Endowed Awards/Prizes**

The John A. Alexander Medal  
 The Jean Alpaugh Award for Interdisciplinary  
 Study  
 The Aristotle Award for Excellence in  
 Communication  
 The Award for Excellence in Chemistry or  
 Biochemistry  
 The Joseph R. Bailer Award  
 The Bates Prize  
 The Michael and Polly Beaver Award for  
 Excellence in Education  
 The Margaret Fredrich Blizzard Memorial Art  
 Competition  
 The Elizabeth Lintz Burkhardt Memorial  
 Service Award  
 The H. Samuel Case '63, M.Ed. '66 and  
 Susan Snodgrass Case '65, M.Ed. '84  
 Award for Excellence in Scholarly Research  
 The Richard A. Clower Award for Excellence  
 in Exercise Science and Physical Education  
 The Joan Develin Coley Award for Excellence  
 in Education  
 The David Brian Cross Memorial Award for  
 Achievement in Mathematics  
 The Distinguished Teaching Award  
 The James P. Earp Sociology Award  
 The Eloise B. and Lowell S. Ensor Award for  
 Graduate or Professional Study  
 The Lynn F. Gruber Medal  
 The Charles W. Havens Award  
 The Dr. Reuben Holthaus Award in  
 Philosophy  
 The Ralph Candler and Dorothy Prince John  
 Award for Academic Excellence and Service  
 to the College Community  
 The Dr. Henry P. and Page Laughlin Special  
 Awards  
 The Mary Ward Lewis Prize

The Makosky Award for Excellence in English  
 The Frank and Margaret Malone Award for Excellence in a Foreign Language  
 The McLuhan Award for Excellence in Communication  
 The Malcolm L. Meltzer Psychology Award  
 The Charles J. Miller Award for Excellence in Mathematics  
 The James B. Moore Memorial Award  
 The Felix Woodbridge Morley Memorial Award  
 The Philip and Azalea Myers Award for Creativity in English  
 The John D. Nawrocki Memorial Award  
 The Outstanding Sophomore Art Award  
 The Wasyl Palijczuk Art Award  
 The Phi Delta Gamma Award  
 The Jane M. Prichard Memorial Award  
 The Millard Milburn Rice Journalistic Prize  
 The Western Maryland Norman E. Sartorius Gift and Citation  
 The Gordon B. Shelton '68 Award for Excellence in the Life Sciences  
 The M. Louise Shipley Art Award of Excellence  
 The Esther Smith Award  
 The SOS/Hinge Griswold-Zepp Award  
 The Hugh Barnette Speir, Jr. Prize  
 The Dr. Clyde A. Spicer Award  
 The James Stephens Memorial Award  
 The H. P. Sturdivant Biology Award  
 The Anna J. Treff Award for Excellence in Pre-Medical or Biological Studies  
 The United States History Award  
 The Michael L. Waghelstein Memorial Award  
 The Robert Joseph Weber Award for Excellence in Political Science and International Studies  
 The Mr. and Mrs. Harold F. Wentz Most Promising Art Freshman Prize  
 The Kathryn E. Wentz Art Awards  
 The Steve Robert Wilson Memorial Award  
 The Barry A. Winkelman Memorial Award

## **Annual Scholarships**

The Anonymous Scholarship  
 The Baltimore Alumni Chapter Scholarship  
 Barnes and Noble Annual Scholarship  
 The Roscoe G. Bartlett Scholarship  
 The William E. Beatty Scholarship  
 The Board of Beneficence of St. John's I.M.P. Church Scholarship  
 The Frederick W. Callahan Memorial Scholarship  
 The Coca-Cola Scholarship Fund  
 The John Crooms Annual Scholarship Fund  
 The Deutsche Bank Alex Brown Scholarship  
 The Erickson Retirement Communities Scholarship  
 The Robert M. Gagnon '71 Annual Scholarship Fund  
 The Julia McCaskill Garraway Annual Scholarship Fund  
 The Graduate Student Scholarship  
 James M. Johnston Trust for Charitable and Educational Purposes Scholarship  
 The Richard and Judith Callahan Klitzberg Annual Scholarships  
 The Samuel and Lillian Klitzberg Memorial Scholarship  
 The Loats Foundation Scholarship  
 The MacPherson Annual Scholarship  
 The Nationwide Scholarship  
 The T. Rowe Price Associates Foundation, Inc. Scholarship  
 The Ina Puleri '04 International Student Annual Scholarship  
 The Robert W. Schaefer Scholarship  
 The Deborah Dale Seidel '84 and Ethan Seidel Scholarship  
 The Verizon Reads Scholarship

# Academic Calendar

## Summer Term 2005

Summer Session 1 . . . . .	Tuesday, May 24-Friday, June 17
Summer Session 2 . . . . .	Monday, June 20-Friday, July 15
Graduate Comprehensive Exams . . . . .	Saturday, July 16
No classes . . . . .	Monday, July 4
Summer Session 3 . . . . .	Monday, June 20-Friday, July 29

## Fall Semester 2005

Opening Faculty Meeting. . . . .	Wednesday, August 24
Introduction Convocation . . . . .	Wednesday, August 24
Orientation . . . . .	Wednesday - Sunday, August 24 thru August 28
Daily class schedule begins, 8:00 a.m. . . . .	Monday, August 29
Graduate classes begin, 4:50 p.m. . . . .	Monday, August 29
Labor Day—no classes. . . . .	Monday, September 5
Last day to add a class, 4:30 p.m. . . . .	Wednesday, September 7
Last date for course drops & Credit/Fail, 4:30 p.m. . . . .	Monday, September 19
January Term registration . . . . .	Monday, September 26 – Friday, September 30
Families Weekend . . . . .	Saturday, October 1
No classes . . . . .	Monday & Tuesday, October 17 & 18
Mid semester grades are due in the Registrar's Office, 12 Noon . . . . .	Wednesday, October 19
Graduate Comprehensive Exams . . . . .	Saturday, October 22
Homecoming . . . . .	Saturday, October 29
Last date for withdrawal from courses with "W" grade, 4:30 p.m. . . . .	Monday, October 31
Spring registration . . . . .	Monday, November 14-Friday, November 18
Thanksgiving recess begins, 7 p.m. . . . .	Tuesday, November 22
Graduate recess begins, 10:00 p.m. . . . .	Tuesday, November 22
Classes resume, 8:00 a.m. . . . .	Monday, November 28
First semester classes end . . . . .	Friday, December 9
Reading Days . . . . .	Saturday & Sunday, December 10 & 11
Examinations begin . . . . .	Monday, December 12
Graduate semester ends . . . . .	Monday, December 12
Graduate final grades due in Registrar's Office, 10 a.m. . . . .	Wednesday, December 14
First semester ends. . . . .	Friday, December 16
Undergraduate final grades due in Registrar's Office, 10 a.m. . . . .	Tuesday, December 20

January Term 2006

January Term begins, 10 a.m. . . . . Tuesday, January 3  
Last day for course changes, 4:30 p.m. . . . . Wednesday, January 4  
Last date for withdrawal from course  
    with "W" grade, 4:30 p.m. . . . . Thursday, January 5  
College Holiday--no classes-Martin Luther  
    King, Jr., day . . . . . observed Monday, January 16  
January Term Ends . . . . . Friday, January 20  
January Term final grades due in Registrar's  
    Office, 10 a.m.. . . . . Friday, January 27

Spring Semester 2006

Second semester classes begin, 8:00 a.m. . . . . Monday, January 23  
Graduate classes begin, 4:50 p.m. . . . . Monday, January 23  
Last day to add a class, 4:30 p.m. . . . . Tuesday, January 31  
Last date for course drops and  
    Credit/Fail, 4:30 p.m. . . . . Monday, February 13  
Spring recess begins, 7 p.m. . . . . Friday, March 10  
Mid semester grades are due in the  
    Registrar's Office, 12 Noon . . . . . Tuesday, March 14  
Graduate Comprehensive Exams . . . . . Saturday, March 18  
Classes resume, 8:00 a.m. . . . . Monday, March 20  
Last date for withdrawal from course  
    with "W" grade, 4:30 p.m. . . . . Friday, March 24  
Fall registration . . . . . Monday, April 3-Friday, April 7  
Spring Undergraduate Awards . . . . . Sunday, April 23  
Honors & Investiture Convocation. . . . . Sunday, April 30  
Graduate classes end . . . . . Thursday, May 4  
Second semester classes end . . . . . Friday, May 5  
Reading days . . . . . Saturday & Sunday May 6 & 7  
Examinations begin . . . . . Monday, May 8  
Second semester ends. . . . . Friday, May 12  
Graduate final grades due in the  
    Registrar's Office, 10 a.m. . . . . Tuesday, May 9  
Undergraduate final grades due in the  
    Registrar's Office, 10 a.m. . . . . Tuesday, May 16  
Senior Week . . . . . Sunday- Saturday, May 14-20  
Baccalaureate Service . . . . . Friday, May 19  
Commencement . . . . . Saturday, May 20

# 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

**Jean Shin**, Associate Dean Academic Affairs for First Year Students

**Henry Reiff**, Associate Dean of Academic Affairs

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**Martha O'Connell**, Vice President, Enrollment Management & Dean of Admissions

## ATHLETICS:

**Jamie Smith**, Director of Athletics

## CAMPUS SAFETY:

**Michael Webster**, Director

## COLLEGE ACTIVITIES:

**Mitchell Alexander**, Director of College Activities

## COLLEGE BILLS:

**Susan Schmidt**, Student Accounts/Bursar

## COMMUNICATIONS AND MARKETING:

**Joyce E. Muller**, Associate Vice President, Communications and Marketing

## COUNSELING AND CAREER SERVICES:

**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

## INFORMATION TECHNOLOGY AND LIBRARY

### SERVICES:

**Michael M. Reid**, Chief Information Officer and Director of Hoover Library

## 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:

**Larry Shockney**, Manager

## 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



# 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 138-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.

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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.

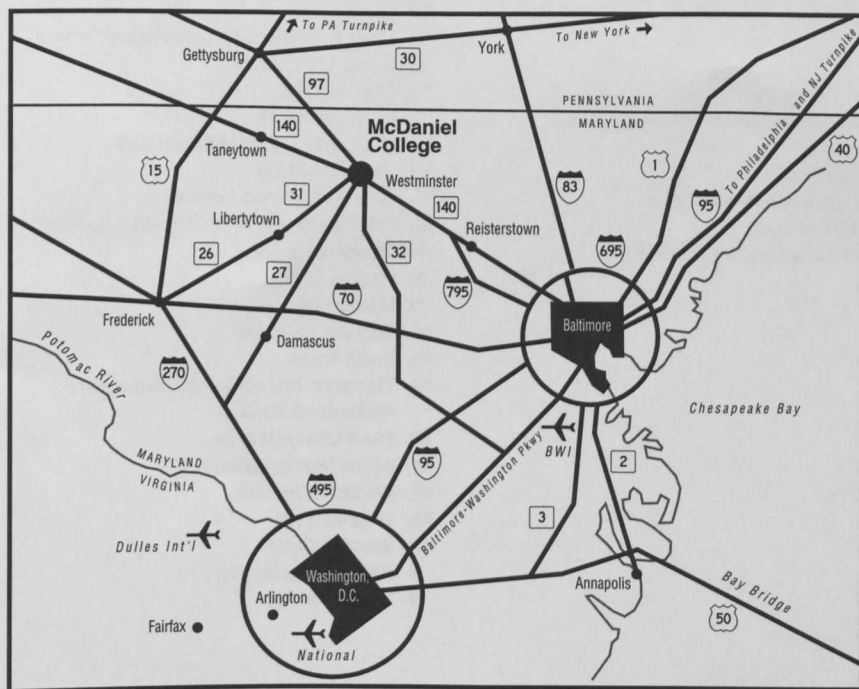
## Directions to Campus

**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](mailto:admissions@mcdaniel.edu)**  
**Web site: <http://www.mcdaniel.edu>**

McDaniel College, in compliance with Federal and State laws and regulations governing affirmative action and non-discrimination, does not discriminate in the recruitment, admission, and employment of students, faculty, and staff in the operation of any of its educational programs and activities as defined by law. Accordingly, nothing in this publication should be viewed as directly or indirectly expressing any limitation, specification, or discrimination as to race, religion, color, or national origin, or to disability, age, sex, sexual orientation, or status as a disabled or Vietnam-era veteran. Any inquiries regarding the above may be directed to the Director of Affirmative Action.

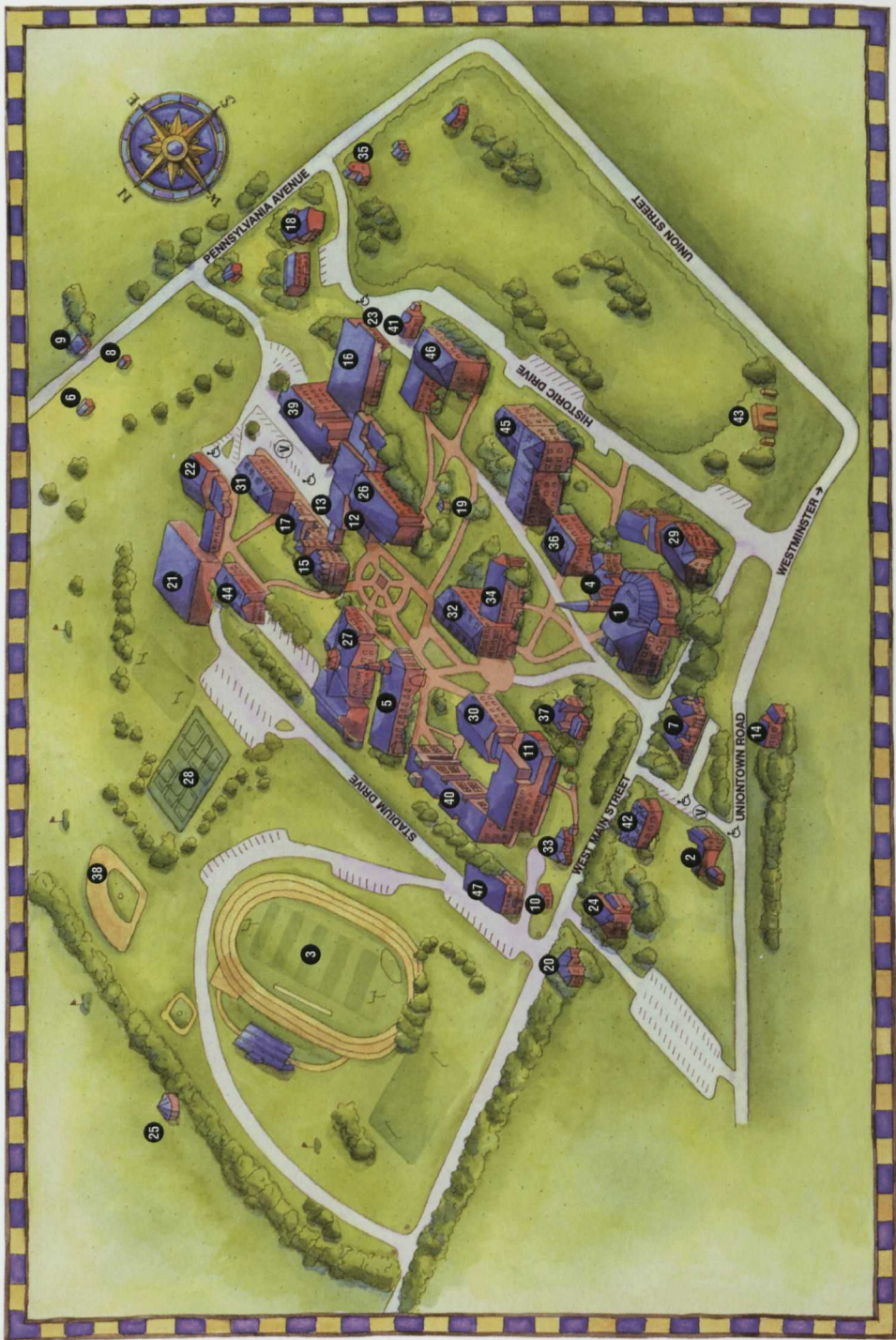
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## Campus Map

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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