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# MARIETTA COLLEGE

## Chartered 1835

### 2009-2010 CATALOG

## Undergraduate Programs

#### The Mission

Marietta College offers students a contemporary liberal arts education. The College's mission is to provide students with an integrated, multidisciplinary approach to critical analysis, problem solving, and the leadership skills required to translate what is learned into effective action.

This education is the responsibility of all members of the campus community, including the students, the faculty, the administration, and the staff. It is accomplished in many ways: through classroom instruction, student life, co-curricular activities, and a variety of employment and leadership experiences.



**Marietta College**

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Phone (740) 376-4000

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<http://www.marietta.edu>



# The Nine Core Values

## 1. Liberal Arts Foundation

As a contemporary liberal arts college, Marietta reaffirms a liberal arts foundation as essential preparation for any career. Students will take a breadth of general education courses in the major areas of knowledge within the ever-changing liberal arts. This approach to teaching and learning stresses the development of critical thinking, problem solving and effective communication skills.

## 2. In-Depth Programs of Study

Marietta College is committed to offering programs of in-depth study that prepare students for both challenging careers and admission to well-respected graduate and professional schools. Marietta College offers majors, minors and other academic programs in those select areas that are consistent with the mission of the College and where it has the expertise and resources to meet or exceed baselines of excellence.

## 3. Residential College

Marietta College will remain primarily a residential college. A residential college is a living, dynamic community. It builds a sense of community among the students, faculty and administration. Through a residential college we create a stronger sense of belonging to the institution and to the students' matriculating class. As a residential community we develop our distinctive ethos, our dedication to the whole student, and affirm the interdependence between life inside and outside the classroom. We expect a critical mass of students will live on campus and participate in campus activities.

## 4. Technology

Marietta College students will be prepared to succeed in our increasingly technological society. Students will be technologically proficient, comfortable and capable with methods of communication and ways to gather information intelligently. They will use a variety of computer software, but will also be made aware of non-computer technology in science, mathematics, and/or engineering courses. Equally important, students will understand the importance of technology to culture, ways of learning, and our sense of being human.

## 5. World of Work

As a contemporary liberal arts college, Marietta today remains true to the founders' emphasis on an education "in the various branches

of useful knowledge." We are steadfast in our commitment to liberal education, yet our curriculum also reflects today's realities of economic expansion, worldwide market orientation, and our recognition that, ultimately, Marietta College prepares its students for the world of work. As we enter the 21st Century, Marietta will build a connection between the liberal arts and the pre-professions by integrating our belief that the liberal arts are the best preparation for any career with an equal commitment to practical experience as a necessary prerequisite for the world of work.

## 6. Financial Planning

Marietta College reaffirms the importance of following sound financial planning as a means to ensure that the institution achieves its operational and strategic goals. The primary goal of budget planning is to provide a framework for decision making that results in a balance between expected revenues and projected expenditures. The primary goal of financial planning is to facilitate the development of long range policy initiatives.

## 7. Service to the Region

Marietta College is a source of pride for the Mid-Ohio Valley, having brought regional and national attention to the area for nearly two centuries. As the only private liberal arts college in Southeast Ohio, Marietta is positioned to serve as a cultural and intellectual center for area residents. Whereas the College is proud of the contribution it has made to the area, it likewise appreciates the benefits it has received from the Mid-Ohio Valley. Marietta College of the 21st Century maintains its commitment to the area.

## 8. Leadership

A successful society demands familiarity with the principles of responsible citizenship and knowledge of leadership behaviors and skills. Marietta College believes that the role of citizen-leader must become a way of life if we are to create a livable, sustainable, ethical future.

## 9. Internationalization

We are living in what has been called the "global village," a term which embodies a recognition that economic growth and political stability in the 21st Century will come through cooperative efforts among the nations of the world. Marietta College students will be prepared to thrive in a diverse, global society.

# From the President

**W**ELCOME TO MARIETTA COLLEGE, a college with a proud history and a dynamic present. Chartered in 1835 to provide an education in “the various branches of useful knowledge,” Marietta has long been recognized as one of the best small private liberal arts colleges in the Midwest. The fact that the College is home to a chapter of Phi Beta Kappa underscores the rigor of the intellectual experience here. As it celebrates its 175th anniversary in 2010, Marietta College retains its commitments to liberal arts education as the best preparation for graduate school, careers, and productive lives and to a special and distinctive blend of liberal arts and professional programs. The College’s goal is to produce leaders and problem solvers for the rapidly changing world of the 21st century.

At Marietta College, you will learn in a variety of new and interesting ways, via technology, through service learning and internships, in learning communities where groups of students and faculty connect two or more courses around common themes, through study abroad, and of course, through interaction with dedicated faculty and other bright students. You will study with faculty members who are experts in their fields and committed teachers. You will grow and develop as you explore new academic fields, develop intellectual and social self-confidence, and establish your own place in this community. You will benefit from new academic facilities, including the high-tech Legacy Library and the Anderson Hancock Planetarium, both of which opened in spring 2009. The nine Core Values approved as part of our Strategic Plan in 2000 and found on the previous page of this catalog provide the basis for the educational experience at Marietta College. In the spirit of those Core Values, I offer you the following challenges:

**Commit yourself to become a liberally educated person.** Liberal arts education is described as an education befitting a free person. What do free persons need to know? Among other things, we need to understand what it means to be human, how to define our roles as individuals in society, how social systems interact with each other, and how the natural world works. Serious consideration of those subjects is essential if we are to take well-informed and ethical positions on such issues of our day as the development of energy sources, protection of the environment, healthcare and wellness, ordering international and personal relationships in an increasingly global society, and the need for leadership in all aspects of human endeavor. Marietta College is especially well positioned to give all of its students an understanding of these issues and to provide majors leading to careers addressing them. Our understanding of these issues, both personal and collective, changes over time, and it is the responsibility of the liberally educated person to continue to learn throughout life, to understand how knowledge is created, to evaluate information critically, to make judgments, and to communicate clearly. That breadth and depth of knowledge and skills is the essence of a liberal arts education. You will achieve that through Marietta College’s general education program, through your major, and through a wise choice of elective courses.

**Assume leadership in at least one area of College and community life.** Marietta College prepares you to be a citizen/leader, not only in some distant future, but now. The College’s leadership program provides opportunities for you to think about leadership in a systematic way, to understand the variety of leadership styles and responsibilities, and to make the connection between leadership and service. Campus organizations are laboratories in which you can develop and evalu-

ate your own skills and learn from the styles of others. The future of our society depends upon the leadership of educated people, and the present-day health of our campus community depends upon your active involvement. You will create your own identity and your own role in the Marietta College community, and as you apply what you have learned about yourself and others, you can help us build a better place for all students.

**Develop an understanding of your own place in the global village.**

In the past few years, we have been reminded how interconnected all of the people of the world are, and how severe the consequences of ignorance, misunderstanding and hatred can be. It is up to educated people to bring knowledge and understanding to bear to solve society’s problems. You can begin that process at Marietta College by getting to know at least one person from another culture and one whose perspective is radically different from your own; learning a language; taking courses that deal with American diversity and with other cultures; studying abroad; getting to know our international students; and taking advantage of the unique opportunity at Marietta College to immerse yourself in the language, history and culture of China, and considering working or teaching there.

**Embrace the newest electronic technologies for the tools they are.** The technological revolution is changing the way we teach and learn, and it will continue to do so as faculty members integrate new technologies into their classes to enhance your knowledge and communications skills. The new technologies demand not only technical skills, but critical and analytical approaches to the evaluation of a wealth of new material. As you increase your understanding in this area, you will not only stay abreast of current trends, but you will gain experience in accommodating the rapid rate of change that characterizes our world.

**Involve yourself.** At Marietta College, you will have many opportunities to test and expand through practical experience what you have learned in the classroom. We are serious about our commitment to link the liberal arts to the world of work, and we urge you to prepare for the many careers you will experience in your working life. For example, consider having an internship, getting to know the alumni speakers who come to campus, pursuing an investigative studies project, and participating in service learning programs. Explore with your faculty advisor the options for graduate or professional study in your field of interest. As you build your resume, you will gain a sense of your own strengths, weaknesses, and interests and contribute to the life of your community.

**Develop a passion.** Highly successful people are separated from others more by their passion and commitment than by their talent. At



## 4 MARIETTA COLLEGE

From the President

Marietta College, as you explore a variety of academic fields, you will find that some interest you more than others. Our goal for you is that you find one or two that become lifetime passions—areas you consider worth an ongoing commitment of time and personal energy. You are likely to find that your passion will be an area that challenges you, not the one that you find easiest. Commit to pursuing your passion in an ethical way, and you will make your mark.

**Get to know at least one faculty member each year.** Our faculty serve as role models of the kind of passion I described above, as they dedicate themselves to at least two endeavors—being first-rate, inspiring teachers and doing serious work in their fields of expertise. As you get to know them through conversation in their offices, through joint work on research and creative projects, and in informal ways, you will gain a deeper understanding of the meaning of committed work. Alumni frequently tell us that the best part of their Marietta experience was getting to know the faculty well, and that the friendships they developed with faculty mentors have lasted far beyond the college years.

**Celebrate with us.** Throughout the 2009-2010 academic year, we will celebrate the 175th anniversary of the chartering of Marietta College. It is exciting to be part of an institution that is bigger than any of us,

one whose history is so long and so rich. It is encouraging to see that the College continues to get stronger and more responsive to the needs of its students and our society. This year, we will have opportunities to attend lectures, concerts, athletic competitions and other events celebrating this special time in Marietta College's history. Enjoy this time with us, and take the opportunity to learn about the great college of which you are now a part.

Those are the challenges. As you meet them, you will experience the frustrations and the ultimate joys of serious learning, of developing your own view of the world and your own place in the community. You will find that a Marietta College education is indeed education for a lifetime because it encourages you to think deeply, to make real commitments, and to bring the best of your skills to bear to build community and solve problems. Such an education enhances the pleasure you find in work, in leisure pursuits, and in human relationships. It leads to a lifetime of intellectual curiosity and satisfaction. We look forward to working with you, and hope that you find your years at Marietta intellectually and personally challenging and fun.

JEAN A. SCOTT



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# The College Year

## 2009-10 Academic Calendar

The College year consists of two semesters and a summer term.

### 2009 Fall Semester

#### August

- Thu 20 Freshmen and transfer students move into residence halls, beginning at 9:00 a.m.
- Thu 20 Freshman Orientation
- Thu 20 Freshman Matriculation Ceremony
- Fri 21 Transfer student orientation at 1:00 p.m.
- Sun 23 Residence halls open for all returning students
- Mon 24 Enrollment verification and PSEO registration
- Mon 24 Classes begin – 8:00 a.m.
- Fri 28 Last day to add/change courses

#### September

- Fri 4 Last day to drop courses without “W” on transcript
- Mon 7 Labor Day – Classes meet but offices closed
- Fri 22-24 Family Weekend

#### October

- Sat 10 Four Day Break
- Wed 14 Classes resume and mid-semester grades due – 9:00 a.m.
- Fri 16 Homecoming
- Fri 23 Last day to withdraw from a course with a grade of “W”

#### November

- Wed 25 Thanksgiving Break
- Mon 30 Classes Resume

#### December

- Fri 4 Last day of classes
- Sat 5 Reading Days
- Mon 7 Final examinations
- Tue 15 Final grades due – 9:00 a.m.

### 2010 Spring Semester

#### January

- Sun 10 Residence halls open, beginning at 9:00 a.m.
- Mon 11 Enrollment verification and PSEO registration
- Mon 11 Classes begin – 8:00 a.m.
- Fri 15 Last day to add/change courses
- Fri 22 Last day to drop courses without “W” on transcript

#### February

- Thu 18 Founders’ Day

#### March

- Sat 6 Spring break
- Wed 10 Mid-semester grades due – 9:00 a.m.
- Mon 15 Classes resume
- Fri 19 Last day to withdraw from courses with grade of “W”

#### April

- Fri 23 Last day of classes
- Sat 24 Reading Days
- Mon 26 Final examinations

#### May

- Tues 4 Final grades due – 9:00 a.m.
- Sun 9 Commencement

# Notices

## Statement of Accreditation

Marietta College is accredited by the Higher Learning Commission and is a member of the North Central Association. As required by the United States Department of Education, contact information for the Higher Learning Commission is provided: [www.ncahigherlearning-commission.org](http://www.ncahigherlearning-commission.org), telephone: (312) 263-0456.

## Statement of non-discrimination

Marietta College admits students of any race, color, national or ethnic origin, disability, gender orientation, or religious affiliation to all the rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national or ethnic origin, disability, gender orientation, or religious affiliation in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other college-administered programs. If you have questions regarding our non-discrimination policy, please contact our Director of Human Resources.

## Services for Students with Disabilities

Marietta College complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act regarding non-discrimination against persons with disabilities. Any person having inquiries concerning Marietta College's compliance with Section 504 of the Rehabilitation Act of 1973 should contact the 504 Compliance Officer, Academic Resource Center, Marietta College, Marietta, Ohio 45750, (740) 376-4700, who has been designated by the College to coordinate efforts to comply with Section 504.

The College seeks to offer support to all students and strives to make reasonable accommodations for individuals with documented disabilities. All campus services for students with disabilities are coordinated through the College's Academic Resource Center (known as the "ARC"). Documentation of a student's disability from a licensed psychologist, psychiatrist, or physician must be provided to the ARC to establish recommended accommodations. In addition to reviewing documentation to facilitate arrangements for specific classroom

accommodations, ongoing individualized guidance is available from the ARC's Disabilities Specialist to include referrals to outside agencies for testing and assessment as necessary. Additional services available include tutoring, study skills assistance, access to adaptive technology (such as the Kurzweil 3000 Scan/Read System, the Dragon Naturally Speaking Voice Dictation Software, and a TTY) and other personalized services based upon documented needs.

Students needing assistance with disability-related issues should contact the ARC (Andrews Hall, 740-376-4700, [arc@marietta.edu](mailto:arc@marietta.edu)) for more information. In addition, students are strongly encouraged to discuss individual class-specific needs with each faculty member at the outset of each academic course.

## And now The Fine PrintÖ

This Catalog reflects the curriculum, policies, personnel, and expenses at Marietta College at the time of printing. It is intended for the guidance of current and prospective students and the College's faculty and staff. The catalog is not intended and should not be regarded as a contract between the College and any student currently enrolled or applying for admission, or any other person. The College reserves the right to depart without notice from the terms of this Catalog. To the extent possible, a student who has been continuously enrolled full-time and who has continuously made satisfactory progress towards a degree will be allowed to graduate according to policies and requirements in effect during the first semester in which the student is enrolled at Marietta College.

It is the student's responsibility to ensure that he or she understands the requirements, policies and procedures governing the academic program being followed. The student is also responsible for notifying the Records Office by submitting appropriate forms, concerning the addition or removal of a major, minor, or certificate from his or her program of study, and classes added or dropped, or changed on their schedule. The College strongly encourages students to review questions concerning their curriculum requirements with the Records Office. In cases where there is a disagreement of interpretation of part of the curriculum requirements, the Academic Standards Committee will be the final arbiter.

# The College and the City

In 2000, the College trustees, faculty, staff, and students endorsed the Nine Core Values which guide the College as it plans the educational experiences of Marietta's students. These Core Values are to be found on page 2 of the Catalog.

## The College

Marietta College traces its roots to the establishment of the Muskingum Academy, which was founded by pioneer settlers in 1797, in Marietta, Ohio. Accordingly, the College has been recognized as one of America's 37 "Revolutionary Colleges." The Academy became the first institute of higher education in the Northwest Territory. In 1835, the State of Ohio created Marietta College by granting a charter to offer college-level degrees. Marietta has always been a private, non-sectarian, co-educational (from 1897), residential college.

But antiquity guarantees nothing, and in its mission statement, the College professes to offer a contemporary liberal arts education, meaning that the College provides academic programs that are based on the best of the past and have a high relevance for today. The traditional liberal arts have always been the core of the College's intellectual life. For example, the College's Phi Beta Kappa chapter dates from 1866, making it one of the oldest in the nation. Examples of the College's ability to stay "contemporary" are the establishment some years ago of programs in petroleum engineering and in athletic training, both of which were the first to receive separate professional accreditation at a private college. A recent addition which is taking on increasing significance in the undergraduate curriculum is a program in Investigative Studies. The program provides opportunities for students, in any discipline, to undertake research projects within a mentoring relationship with a member of the faculty. The College provides financial support for students participating in the program. Also, unusual teaching opportunities have been developed for students, again regardless of discipline, in China and Brazil.

Adding distinctiveness to the programs at Marietta is the McDonough Center for Leadership and Business, the nation's first developed opportunity for undergraduate students to examine issues clustered around the themes of civic engagement and corporate leadership. And so, the College invites students to explore the ideas of the past and discover their meaning for today while simultaneously providing a preparation for life after college. The College has consistently been ranked by *U.S. News & World Report* as one of the best private colleges in the Midwest.

The Fall 2008 enrollment at the College was 1442 undergraduate (1392 full-time and 50 part-time) and 117 graduate (73 full-time and 44 part-time) students. The students came from 29 states and 18 countries. The male-to-female ratio is close to 50:50, while the student-to-faculty ratio is an attractive 13:1.

## Accreditation

The College offers degrees at the undergraduate and graduate level. Undergraduate degrees are Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Petroleum Engineering. At

the graduate level, three masters programs are available: Master of Arts in Psychology, Master of Corporate Media, and Master of Science in Physician Assistant Studies.

The College is accredited by the Higher Learning Commission and is a member of the North Central Association. The College's Department of Education and all teacher licensure programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE) and approved by the Ohio Department of Education. The petroleum engineering program is accredited by the Education Accreditation Commission of the Accreditation Board for Engineering, and the athletic training program is accredited by the Commission on Accreditation of Allied Health Education Programs. The chemistry program is approved by the American Chemical Society. The public accounting program (150 semester hours, 4 1/2-year) has been approved by the Accountancy Board of the State of Ohio as satisfying the requirements for students wishing to sit for the Uniform Certified Public Accounting examinations. This accounting program also meets the requirements of most states with 150-hour education requirements.

The College's three masters programs have all been approved by the Ohio Board of Regents and by the Higher Learning Commission. The Master of Science in Physician Assistant Studies enrolled its first class in June 2002 and has received continued accreditation from the Accreditation Review Commission for Physician Assistant programs.

The graduate programs are described in a separate Graduate Programs Catalog.

## The College's Mission Today

Marietta College offers students a contemporary liberal arts education. The institution's mission is to provide students with an integrated, multidisciplinary approach to critical analysis, problem solving, and the leadership skills required to translate what is learned into effective action.

This education is the responsibility of all members of the campus community: the students, the faculty, the administration, and the staff. It is accomplished in many ways: classroom instruction, student life, co-curricular activities, and a variety of employment and leadership experiences.

In order to provide the students with the tools needed to function effectively in a rapidly changing world, the College offers programs and activities to foster an environment in which students can

- address global and multicultural issues,
- develop a basic understanding of science and technology
- investigate different models of social and personal behavior
- sharpen the aesthetic sense
- enhance their own social and personal development.

Marietta College faculty members from all disciplines contribute to this environment by integrating the following into their teaching:

- critical thinking and problem solving,
- oral and written communication,
- locating, evaluating, and using information,

- historical and philosophical perspectives,
- ethical issues,
- leadership,
- relationships with other disciplines,
- preparation for life-long learning and professional growth.

Through teaching and advising, as well as close personal interaction with students, the faculty provide educational leadership for the campus.

Other campus groups, ranging from Student Life to service organizations, contribute to the richness of a Marietta education by offering experiences to help students grow as individuals and develop effective leadership skills. Leadership as a theme is an essential component of the contemporary liberal arts education offered at Marietta College, providing a bridge between the world of thought and the world of action.

## The City

The city of Marietta, Ohio, was settled in 1788 by Revolutionary War veterans led by General Rufus Putnam, and became the Northwest Territory's first organized American settlement. Marietta, a city of 15,000, has retained a particular pioneer spirit of independence and New England charm. The first educational leaders came from Massachusetts and Vermont.

Marietta is a rivertown situated at the confluence of the Ohio and Muskingum Rivers – at one time it was possible, by leaving the Ohio River and joining the Muskingum River, to travel by boat from the Gulf of Mexico to the Great Lakes. Regular stops are still made at Marietta by the passenger steamboats *Delta Queen* and *Mississippi Queen*. The origins of the city and its continuing links with the rivers are reflected in two fine museums: the Campus Martius Museum and the Ohio River Museum (at both of which, incidentally, students may intern).

Marietta is part of a much larger Mid-Ohio Valley metropolitan area which includes nearby Parkersburg, West Virginia. This area sustains a combined population of around 150,000. Marietta is located 15 miles north of Parkersburg; 90 miles northwest of Charleston, West Virginia; 120 miles southeast of Columbus, Ohio; 140 miles southwest of Pittsburgh, Pennsylvania; and 170 miles south of Cleveland, Ohio.

There are several flights daily between the Marietta/Parkersburg (PKB) airport and Washington D.C. The airport is only five miles from the campus. The College is a stop on a Cleveland-Charleston route operated by the Lakefront bus service.

# Undergraduate Programs of Instruction

Provost's Office  
Provost and Dean of the Faculty:  
Dr. Rita Smith Kipp  
Rita.Smith.Kipp@marietta.edu

Marietta College offers both undergraduate (Bachelors) degrees and graduate (Masters) degrees. The undergraduate majors with the appropriate degree are listed below. The minors available are also listed. Information on graduate degrees will be found in the separate Graduate Programs Catalog.

## Majors

A graduation requirement is the completion of one of the following majors. The requirements for each major are given below under Departmental Course Listings and Requirements. In addition, a student may design his or her own major and the rules for student-designed majors are given in the Curricular Options and Enhancements section of the Catalog. Likewise, rules for students wishing to complete a double major will be found in that section.

### Bachelor of Arts

Accounting  
Advertising and Public Relations  
Broadcasting  
Communication Studies  
Economics  
Early Childhood Education  
Environmental Studies  
English  
Finance  
General Studies (Continuing Education only)  
History  
Human Resources Management  
International Business  
International Leadership Studies  
Intervention Specialist  
Journalism  
Management  
Management Information Systems  
Marketing  
Middle Childhood Education  
Music  
Music Education  
Organizational Communication/Public

Relations  
Political Science  
Psychology  
Public Accounting  
Spanish  
Studio Art  
Theatre

### Bachelor of Fine Arts

Graphic Design  
Theatre

### Bachelor of Science

Applied Physics  
Athletic Training  
Biochemistry  
Biology  
Chemistry  
Computer Information Systems  
Computer Science  
Environmental Science  
Geology  
Health Science  
Mathematics  
Physics

### Bachelor of Science in Petroleum Engineering

Petroleum Engineering

## Minors

A student may choose to complement his or her major with one or more minor concentrations. The requirements for each minor are given below in the Departmental Course Listings and Requirements section, while the rules for minors are included in the Curricular Options and Enhancements section of the Catalog. The minors available are

Accounting  
Advertising and Public Relations  
Applied Communication  
Art  
Asian Studies  
Astronomy  
Biology  
Chemistry  
Communication Studies

Computer Information Systems  
Computer Science  
Economics  
Environmental Science  
Environmental Studies  
European Studies  
Finance  
French  
Gender Studies  
Geology  
History  
Human Resource Management  
Latin American Studies  
Leadership Studies  
Journalism  
Literature  
Management  
Management Information Systems  
Marketing  
Mathematics  
Music  
Organizational Communication/ Public Relations  
Petroleum Engineering  
Philosophy  
Physics  
Political Science  
Psychology  
Religion  
Spanish  
Sports Management  
Theatre

## The Numbering System

Courses are numbered as follows:

**001-099** Skill-building courses – do not count towards graduation credit requirement.

**100-199** Courses which are intended primarily for freshmen, sophomores, and students with little background in the discipline. These courses typically present broad surveys of a topic or discipline.

**200-299** These courses require a more focused analysis of a topic within a discipline. The courses may have prerequisites and generally hold students to academic standards greater than 100-level courses.

**300-499** The content of these courses are typi-

cally advanced and specialized, and require academic skills developed in lower courses.

**X94** Experimental course. A course being offered for the first or second time and for which the full approval process has not been completed.

**X95** Directed research under the supervision of an instructor.

**X96** A course being taught as an “independent study” but whose content is not currently listed in the Catalog.

**X97** Internship. A supervised work experience.

**X98** Tutorship. Supervised tutoring of other students.

## The Classification System

Students pursuing a Marietta College undergraduate degree must demonstrate a breadth of study in addition to the focused study provided by a major. The specific graduation requirements are described in the UNDERGRADUATE DEGREES—GRADUATION REQUIREMENTS section later in the catalog. To guide the student toward meeting these requirements this catalog and the list provided by the Records Office of the courses being offered each semester use a classification system for identifying which requirement courses satisfy.

- B** Scientific Inquiry, with lab
- C** Scientific Inquiry, without lab
- K** Leadership and Ethics
- L** Literary Analysis
- M** Global Issues
- P** Historical Perspectives
- Q** Quantitative Reasoning
- R** Fine Arts
- W** Writing Proficiency
- X** Diversity
- Y** Social Analysis

Courses constituting part of the programs in Leadership and Gender Studies are given letter designations in the course listings provided by the Records Office. These are:

- D** Leadership
- Z** Gender Studies

## Department Course Listings and Requirements

This section contains the course requirements for each major, minor, and certificate offered at Marietta College. The order of the detailed subsections is alphabetical by name of department. In addition, you will find the course descriptions which include the number and name for the course, a brief description of the content of the course, any prerequisites, and the number of semester credit hours attached to the course. Questions about courses, majors, minors, etc. can be directed to the department chair whose name and e-mail address is included under the department heading.

## Accounting

(See Business & Economics, for major and minor)  
Website: <http://www.marietta.edu/ema>

## Advertising and Public Relations

(See Communications and Media Studies for major and minor)

## Area Studies: Asia, Europe, Latin America

Department of Modern Languages  
Asian Studies Director: Dr. Luding Tong ([Luding.Tong@marietta.edu](mailto:Luding.Tong@marietta.edu))  
Website: <http://www.marietta.edu/~asia/>  
European Studies Director: Dr. Ena C. Vulor ([Ena.Vulor@marietta.edu](mailto:Ena.Vulor@marietta.edu))  
Latin American Studies Director: Dr. Richard K. Danford ([Richard.Danford@marietta.edu](mailto:Richard.Danford@marietta.edu))

Area Studies at Marietta consists of three minors identified with geographic areas with which the College has institutional connections making it possible for students to study in these important parts of the world. The minors offered are Asian Studies, European Studies, and Latin American Studies. In all three minors, students are introduced to the languages, cultures, literatures, politics, economics, and history of the areas. These minors provide excellent complements to any major.

### Asian Studies

**Requirements for a minor in Asian Studies:** Twenty-one to twenty-three hours including 12 hours in Asian History 359 and 360, and Asian Literature 361 and 362, 6 to 8 hours in Chinese or Japanese language courses (Chinese 130 included), and at least 3 hours in other courses chosen from the courses listed below, and approved by the Director of Asian Studies.

### Asian Studies Courses

ASN 361 East Asian Literature I: Pre-Modern China and Japan through Narratives, Lyrics, and Paintings L,W

This interdisciplinary course offers an in-depth study of pre-modern China and Japan (from their beginnings to the eighteenth century) through selected representative literary works and paintings. The readings will be original Chinese and Japanese literary works, but in English translations. All the texts will be examined in relation to their historical, cultural, and political contexts. The course will trace the evolution (the formation and development) of the rich and unique cultural and literary traditions of the two countries during their pre-modern period, by examining their myths, religions, ethics, and aesthetics that have historically defined identities of the two countries. Through close reading and discussion of the texts, students are encouraged to compare and contrast the “literary meanings” of the

two countries (and the West) to see connections, differences, continuities, and discontinuities.

**Credit: 3 Hours**

**ASN 362 East Asian Literature II: Modern China and Japan through Narratives, Lyrics, and Paintings** L,W

This interdisciplinary course offers an in-depth study of modern and post-modern China and Japan (from the nineteenth century to the present) through studying and analyzing selected representative literary works from various schools of influential writers and film makers. The readings will be original Chinese and Japanese literary works, but in English translations. All the texts will be examined in relation to their historical, cultural, and political contexts. The course will explore the transition from the imperial (China)/feudal (Japan) system to the modern state as reflected in their literary works, by focusing on the changes brought by the forceful entry of the West on the political, cultural, and economic fabrics of the two societies.

**Credit: 3 Hours**

**Courses Used in the Asian Studies Program**

Chinese 101 Elementary Conversational Chinese I	M
Chinese 102 Elementary Conversational Chinese II	M
Chinese 130 Perspectives on Chinese Culture	M,P
Chinese 201 Intermediate Chinese I	M
Chinese 202 Intermediate Chinese II	M
Chinese 301 Advanced Chinese I	M
Chinese 302 Advanced Chinese II	M
Chinese 370 East Asian Cultures Through Film	M,P,W
Chinese 371 Chinese Visual Culture and Visual Expressions Through Advertising	M
Japanese 101 Elementary Conversational Japanese I	M
Japanese 102 Elementary Conversational Japanese II	M
Japanese 201 Intermediate Japanese I	M
Japanese 202 Intermediate Japanese II	M
History 359 East Asian History to 1850	P
History 360 East Asian History from 1800	M,P
Leadership 350 Leadership Study Abroad	
Political Science 226 Introduction to Contemporary China	
Political Science 312 Political Systems of Developing Nations	
Political Science 329 Survey of Comparative Asian Societies	
Political Science 330 Comparative Leadership Studies	
Theatre 313 Asian Drama	L,R

**European Studies**

**Requirements for a minor in European Studies:** Twenty-two hours. *European Language core\**: French 201 and 202, or Spanish 201 and 202; *European Studies core*: History 121, Political Science 203, and either History 349 or Political Science 327; *European Civilizations core*: one course from French 130, 131, 330, 331, or Spanish 330; Electives: one

from the following, including courses not used above, French 101, 102, Spanish 101, 102 if taken as a second European language, Art History 361, 362, 366, 369, 371, History 120, 121, 329, 339, 340, 349, 352, 354, French 301, 310, Spanish 301, 310, Music 330, 331, Philosophy 336, 341, 344, Political Science 203, 301, 302, 327, Religion 339, 340. A minimum of six hours must be completed at the 300 level.

\* Students with proficiency in French or Spanish beyond the 202 level must complete three hours of coursework at the 300-level in that language.

**European Studies Courses**

Art History 361 Survey of Art History I	
Art History 362 Survey of Art History II	
Art History 366 Renaissance Art History	
Art History 369 Seventeenth- and Eighteenth-Century Art History	
Art History 371 Modern Art History	
French 130 French Culture and Civilization: Historical Perspective	M
French 131 French Culture and Civilization: Cross-cultural Perspective	M
French 201 Intermediate French I	M
French 202 Intermediate French II	M
French 301 Conversation and Composition	M
French 310 Business French	M
French 330 French Civilization I	M
French 331 French Civilization II	M
History 120 History of World Civilizations: 1100-1815	M,P
History 121 History of World Civilizations: 1815 to Present	M,P
History 329 European Feminism and European Tradition	
History 339 Middle Ages	P
History 340 Renaissance and Reformation	
History 349 Twentieth Century Europe	
History 352 Age of Reason	
History 354 Age of Nationalism	
Music 330 Music History I	P,R,W
Music 331 Music History II	P,R,W
Philosophy 336 Existentialism W	
Philosophy 341 Philosophy in Ancient Greece and Rome	P,W
Philosophy 344 Late Modern Philosophy	
Political Science 203 Governments of Western Europe	M
Political Science 301 Classical Political Thought	K

Political Science 302 Modern Political Thought	
Political Science 327 Governments of Russia and Eastern Europe	M
Religion 339 Middle Ages	
Religion 340 Renaissance and Reformation	
Spanish 201 Intermediate Spanish Level I	M
Spanish 202 Intermediate Spanish Level II	M
Spanish 301 Conversation and Composition	M
Spanish 310 Business Spanish	M
Spanish 330 Spanish Civilization	M,P

### Latin American Studies

**Requirements for a minor in Latin American Studies:** Eighteen to twenty-three hours including 8 hours in Portuguese or Spanish; History 327 and Leadership/Political Science 260; either Economics 372 or Political Science 120; one Latin American experiential course from Leadership 350, Spanish 401, or as approved (can be for zero credit) by the director; an elective 3-hour course selected from the list below, or as approved by the director. Students with a language competence in either Portuguese or Spanish equivalent to the 102 level or above are waived out of the 8-hour language requirement but must complete an upper level language course as the elective course.

### Latin American Studies Courses

Economics 372 Comparative Economic Systems	M
History 327 Survey of Latin American History	
Leadership/Political Science 260 Great Leaders in Latin American Politics	
Leadership 350 Leadership Study Abroad	
Political Science 120 Introduction to Comparative Politics	M,Y
Portuguese 101 Portuguese Level I	M
Portuguese 102 Portuguese Level II	M
Spanish 101 Spanish Level I	M
Spanish 102 Spanish Level II	M
Spanish 201 Intermediate Spanish Level I	M
Spanish 202 Intermediate Spanish Level II	M
Spanish 232 Latinos in the United States	P,W,X
Spanish 301 Conversation and Composition	M
Spanish 310 Business Spanish	M
Spanish 331 Spanish American Civilization	M,P
Spanish 332 Latinos en Estados Unidos	P,W,X
Spanish 351 Panorama of Latin American Literature	L,M
Spanish 401 Study Abroad	

## Art

Department of Art  
 Website: <http://www.marietta.edu/~art/>  
 Chair: Professor Jolene Powell (jolene.powell@marietta.edu)  
 Assistant professor: Sara Alway, Chaya Chandrasekhar, Chris Ingersoll; lecturers: Joe Davis, Beth Nash  
 Secretaries: Pamela Phillips, Dorothy Leifheit

The Department of Art provides two programs: a Bachelor of Arts degree with a major in Studio Art and the Bachelor of Fine Arts degree with a major in Graphic Design.

**Requirements for a major in Studio Art:** Forty-eight hours, including Art 101, 102, 201, 202, 205, 487 and 488; Art History 361, 362, plus 3 additional hours in Art History; Graphic Design 483; 12 hours selected from one of the following concentration areas: Painting, Printing, or Three-Dimensional; plus 6 hours of Art electives.

#### General Art Courses 15 Hours

ART 101 <input type="checkbox"/>	ART 102 <input type="checkbox"/>	ART 201 <input type="checkbox"/>
ART 202 <input type="checkbox"/>	ART 205 <input type="checkbox"/>	

#### Art History 9 Hours

ARTH 361 <input type="checkbox"/>	ARTH 362 <input type="checkbox"/>
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#### Plus one of the following

ART 161 <input type="checkbox"/>	ART 366 <input type="checkbox"/>	ART 369 <input type="checkbox"/>
ART 371 <input type="checkbox"/>	ART 373 <input type="checkbox"/>	

#### Graphic Design 3 Hours

GRPH 483 <input type="checkbox"/>
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#### Art Concentration 12 Hours

Select four courses from one of the following concentration areas

#### Painting

ART 223 <input type="checkbox"/>	ART 224 <input type="checkbox"/>	ART 321 <input type="checkbox"/>
ART 323 <input type="checkbox"/>	ART 324 <input type="checkbox"/>	ART 347 <input type="checkbox"/>

#### Printmaking

ART 311 <input type="checkbox"/>	ART 312 <input type="checkbox"/>	ART 347 <input type="checkbox"/>
ART 351 <input type="checkbox"/>	ART 352 <input type="checkbox"/>	

#### Three-Dimensional

ART 114 <input type="checkbox"/>	ART 131 <input type="checkbox"/>	ART 231 <input type="checkbox"/>
ART 235 <input type="checkbox"/>	ART 331 <input type="checkbox"/>	

#### Art Electives: 6 Hours

Any two of the following, excluding any courses used to satisfy the above requirements

ART 112 <input type="checkbox"/>	ART 114 <input type="checkbox"/>	ART 131 <input type="checkbox"/>
ART 205 <input type="checkbox"/>	ART 208 <input type="checkbox"/>	ART 223 <input type="checkbox"/>
ART 224 <input type="checkbox"/>	ART 231 <input type="checkbox"/>	ART 235 <input type="checkbox"/>
ART 245 <input type="checkbox"/>	ART 256 <input type="checkbox"/>	ART 305 <input type="checkbox"/>
ART 308 <input type="checkbox"/>	ART 311 <input type="checkbox"/>	ART 312 <input type="checkbox"/>
ART 321 <input type="checkbox"/>	ART 323 <input type="checkbox"/>	ART 324 <input type="checkbox"/>
ART 331 <input type="checkbox"/>	ART 345 <input type="checkbox"/>	ART 347 <input type="checkbox"/>
ART 351 <input type="checkbox"/>	ART 352 <input type="checkbox"/>	ART 372 <input type="checkbox"/>
ARTH 366 <input type="checkbox"/>	ARTH 369 <input type="checkbox"/>	ARTH 371 <input type="checkbox"/>
ARTH 373 <input type="checkbox"/>	ARTH 375 <input type="checkbox"/>	GRPH 210 <input type="checkbox"/>
GRPH 320 <input type="checkbox"/>		

#### Capstone

Both of the following 3 Hours

ART 487 <input type="checkbox"/>	ART 488 <input type="checkbox"/>
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**Total 48 Hours**

**Requirements for a major in Graphic Design:** Art 101, 102, 201, 345, and two from Art 205, 223, 224, Graphic Design 330; Art History 361, 362, Graphic Design 210, 310, 320, 340, 381, 382, 390, 483, 497, Mass Media 375; one from Art 256 and Mass Media 150; one from Writing 290 and 308; plus 12 hours from Economics 211, Management 381, 386, 451, Mass Media 207, 225, 230, 310, 380; capstone: both Art 487 and 488.

**Studio Art** **18 Hours**  
 ART 101  ART 102  ART 201   
 ART 345

**Plus two of the following**  
 ART 205  ART 223  ART 224   
 ART 311  ART 312  ART 347   
 GRPH 330

**Art History** **6 Hours**  
 ARTH 361  ARTH 362

**Graphic Design** **30 Hours**  
 GRPH 210  GRPH 310  GRPH 320   
 GRPH 340  GRPH 381  GRPH 382   
 GRPH 390  GRPH 483  GRPH 497   
 MASS 375

**Photography: One of the following** **3 Hours**  
 ART 256  MASS 150

**Writing: One of the following** **3 Hours**  
 WRIT 290  WRIT 308

**Career electives** **12 Hours**  
**Twelve hours from**  
 ECON 211  MNGT 381  MNGT 386   
 MNGT 451  MASS 207  MASS 225   
 MASS 230  MASS 310  MASS 380

**Capstone** **3 Hours**  
**Both of the following**  
 ART 487  ART 488

**Total** **75 Hours**

*All graphic design students are required to purchase their own ink, paper and other needed materials.*

### Suggested Program of Study

Candidates are cautioned to work closely with advisors in the Department of Art. The department has developed the following suggested program of study for the major in Graphic Design. Graphic Design courses use industry standard software.

<b>Freshman Year: Fall</b>		<b>Spring</b>	
Art 101	3 hrs	Art 102	3 hrs
		Mass Media 150 or Art 256	3 hrs
<b>Sophomore Year: Fall</b>		<b>Spring</b>	
Graphic Design 210	3 hrs	Graphic Design 320	3 hrs
Art 201	3 hrs	Graphic Design 340	3 hrs
Art History 361	3 hrs	Art History 362	3 hrs
Major elective	3 hrs		

<b>Junior Year: Fall</b>		<b>Spring</b>	
Graphic Design 381	3 hrs	Graphic Design 382	3 hrs
Graphic Design 330 or Art 223, 224, 205	3 hrs	Graphic Design 330 or Art 223, 224, 205	3 hrs
Mass Media 375	3 hrs	Art 345	
Major elective	3 hrs	Writing 290 or 308	3 hrs
<b>Summer</b>			
Graphic Design 497	3 hrs		
<b>Senior Year: Fall</b>		<b>Spring</b>	
Graphic Design 310	3 hrs	Graphic Design 390	3 hrs
Art 487	2 hrs	Graphic Design 483	3 hrs
Major elective	3 hrs	Art 488	1 hr
		Major elective	3 hrs

**Requirements for a minor in Art:** Art 101 or 102; Art 201; 3 hours of Art History, plus 9 hours of Studio Art or Art History electives.

### Studio Art Courses

**ART 101 Drawing I** R  
 Fundamentals of drawing. Perspective, line, form, and composition used for representational studies from nature and still life.  
**Credit: 3 Hours**

**ART 102 Drawing II** R  
 Stresses expressive drawing. Various media used in exploring contemporary modes of drawing. Additional fees required.  
 Prerequisites: Art 101.  
**Credit: 3 Hours**

**ART 112 Stained Glass**  
 Introductory use of lead came and copper foil techniques. Creation of original designs for projects.  
**Credit: 3 Hours**

**ART 114 Introduction to Jewelry Making** R  
 Introduction to the basics of jewelry fabrication, including cutting, soldering, coloring, texturing and finishing of precious and nonprecious metals, and basic stone setting. The design and construction of pins, pendants, bracelets, and earrings will be emphasized. The role of the artist/craftsperson in society will be explored. Setting up a production studio and marketing work will be discussed.  
**Credit: 3 Hours**

**ART 131 Ceramics** R  
 Basic techniques of hand production, mold production, glaze formulation, decoration, and introductory throwing techniques. Additional fee required.  
**Credit: 3 Hours**

**ART 201 Flat Design**  
 Basic two-dimensional design. Explores basic concepts and various media through a variety of projects. Stresses composition and handling of picture plane dynamics. Additional fees required.  
**Credit: 3 Hours**

**ART 202 Solid Design**

Basic three-dimensional design; introduction to sculpture. Explores structural methods, aesthetic considerations, and technical procedures. Additional fees required.

Prerequisite: Drawing 101 or written permission of instructor.

*Credit: 3 Hours*

**ART 205 Life Drawing**

Studies of the human figure using a variety of media.

Prerequisite: Art 101

*Credit: 3 Hours*

**ART 208 Calligraphy**

Introductory freehand lettering with pencil and pen. Emphasizes design and legibility.

*Credit: 3 Hours*

**ART 223 Painting I Water-Based Media**

Introductory water-based media. Compositional and technical considerations. Additional fees required.

Prerequisite: Art 101 or written permission of instructor.

*Credit: 3 Hours*

**ART 224 Painting I Oil Painting**

Introductory techniques and methods of oils or acrylics. Emphasizes compositional development. Additional fees required.

Prerequisite: Art 101 or written permission of instructor.

*Credit: 3 Hours*

**ART 231 Intermediate Ceramics**

R

Emphasizes throwing on wheel. Includes glaze formulation, clay preparation, and kiln firings. Additional fees required.

Prerequisite: Art 131.

*Credit: 3 Hours*

**ART 235 Beginning Sculpture**

Modeling in clay and plaster and other possible materials. Both additive and subtractive methods included. Terracotta techniques emphasized. Additional fees required.

Prerequisites: Art 202.

*Credit: 3 Hours*

**ART 256 Composition and Creativity in Photography**

R

A course in color and black and white photography designed to increase one's compositional and creative skills. Assignments will first investigate the elements of art and composition and then proceed to assignments involving creative thinking. The student will need a 35mm or digital camera. This is not a darkroom course. Color negatives will be printed by local 1-hour outlets. Additional fees required.

*Credit: 3 Hours*

**ART 305 Advanced Life Drawing**

Advanced techniques of drawing the human figure. Various media including pencil, charcoal, and ink.

Prerequisite: Art 205.

*Credit: 3 Hours*

**ART 308 Advanced Calligraphy**

Advanced lettering in various hands. Emphasizes design and legibility. Exploration of basic letter forms.

Prerequisite: Art 208.

*Credit: 3 Hours*

**ART 311 Block Print and Etching**

R

Printmaking in intaglio and relief processes. Additional fees required.

Prerequisite: Art 101.

*Credit: 3 Hours*

**ART 312 Lithography and Silk Screen**

Printmaking in planographic and serigraphic processes. Additional fees required.

Prerequisite: Art 101.

*Credit: 3 Hours*

**ART 321 Intermediate Painting**

Emphasizes individual development in various media. Additional fees required.

Prerequisites: Art 101 and 223.

*Credit: 3 Hours*

**ART 323 Advanced Watercolor Painting**

Advanced techniques of water color painting. Emphasizes expressive and experimental handling of the medium. Additional fees required.

Prerequisites: Art 101, 223, and 321.

*Credit: 3 Hours*

**ART 324 Advanced Oil Painting**

Advanced techniques of oil painting. Emphasizes expressive and interpretive handling of the medium. Additional fees required.

Prerequisites: Art 101, 205, 224, and 321.

*Credit: 3 Hours*

**ART 331 Advanced Ceramics**

Stresses development of individual directions in ceramic techniques. Additional fees required.

Prerequisites: Art majors only must take Art 131, 231, and 331 in sequence. For non-majors either 131 or 231 is Prerequisite for 331.

*Credit: 3 Hours*

**ART 345 Illustration**

Introductory concepts and techniques of illustration. Emphasizes drawing, designing, and painting skills and their application in magazines, books, and commercial illustration. Additional fees required.

Prerequisites: Art 101 and 201.

*Credit: 3 Hours*

**ART 347 Monoprint**

One-of-a-kind printmaking process using black and colored inks to create single, unique printed images on the etching press. The mono-prints may be further enhanced with color pencils, acrylic paints, and collage techniques. Additional fees required.

Prerequisites: Art 205 or permission of the instructor. Offered every other year.

*Credit: 3 Hours*

**ART 351 Advanced Etching**

Advanced techniques of etching process. Includes engraving techniques and printing in color. Additional fees required.

Prerequisite: Art 311 or equivalent.

*Credit: 3 Hours*

**ART 352 Advanced Lithography**

Advanced techniques in lithography. Includes color lithography and metal plate lithography. Additional fees required.

Prerequisite: Art 312 or equivalent.

**Credit: 3 Hours**

**ART 481 Apprenticeship**

A program that enriches educational experience of participants by direct association with professional artist/specialist in fields such as painting, sculpture, printmaking, photography.

Prerequisite: Junior or senior standing, and approval of Department Apprenticeship Committee.

**Credit: 1 to 6 Hours**

**ART 487 Senior Studio Seminar**

Each studio major in this Capstone course creates a body of work specifically for display in the senior show. Student chooses media and focus of work. Number of works determined by student and instructor. Offered Fall semester.

**Credit: 2 Hours**

**ART 488 Senior Show Seminar**

Each senior art major must participate in the senior show. Students participate in various responsibilities in the preparation for the show and are instructed in proper presentation techniques for displaying their work. Offered spring semester.

**Credit: 1 Hour**

**Independent Studies**

Individual or group work for qualified students on selected problems. Student has opportunity to further develop his or her ability in a particular field or medium under faculty guidance. Suggested fields: ceramics, commercial art, design, drawing, painting, photography, printmaking, sculpture, watercolor. Independent study is offered subject to availability of instructors. Juniors or seniors majoring in the department with cumulative grade point average of 3.0 or better may take this course as an honors project, subject to approval of student's advisor, approval of chair of department, and acceptance of student's proposal by the Honors and Investigative Studies Committee.

Prerequisites: Written permission of instructor and signature of department chair.

**Credit: 1 to 3 Hours**

**Graphic Design Courses****GRPH 210 Computer Typography**

The intent of this course is to provide a comprehensive background on conceptual and practical uses of computer typography within print media. The course will discuss typographic terminology, history, and type setting techniques as well as creative uses of typography in respect to letter form and corporate identity. The course also will introduce students to typographic functions as they apply to industry standard software.

Lab fee required

Prerequisites: Art 101, and 102, or by permission of instructor

**Credit: 3 Hours**

**GRPH 310 Design Practices**

The intent of this course is to provide insight and experience in practices within the graphic design industry. The course will discuss design agency business practices, art direction, designer-client rela-

tions, print estimating and contracting, ethical guidelines outlined by the American Institute for Graphic Arts.

Prerequisite: Junior or senior standing

**Credit: 3 Hours**

**GRPH 320 Digital Illustration**

This class explores the uses of digital imaging, from color retouching to artistic creating. Students will develop technical proficiency with Photoshop's tools and scanning software. The course will also explore applications of digital illustration in relation to integrating digital files in page layouts programs and using digital media as an artistic tool to create conceptual digital images.

Lab fee required

Prerequisites: Art 101, 102, and 201, or by permission of instructor

**Credit: 3 Hours**

**GRPH 330 Informational Graphics**

This class takes an in-depth look into the content, packaging and production of informational graphics. The course will discuss symbol development, diagrams and explanatory graphics, map production, illustration techniques, research methods and information design. In addition, the course will provide students with proficiency with illustrative graphics software such as FreeHand and Photoshop.

Lab fee required

Prerequisites: Graphic Design 320, or by permission of instructor

**Credit: 3 Hours**

**GRPH 340 Corporate Identity**

The intent of this course is to develop layout and design skills related to advertising and corporate identity. The class will focus on layout, color, and concept development as a means to build corporate identity systems.

Lab fee required

Prerequisites: Graphic Design 210 and Art 201, or by permission of instructor

**Credit: 3 Hours**

**GRPH 381 Computer Graphic Design I Promotional Design**

The intent of this course is to provide an introduction to design principles, concepts and techniques in the production of promotional print materials. Projects in the course will be based upon real-world scenarios, thereby providing students with portfolio-quality work. The course will use a variety of publication software such as QuarkXPress, Photoshop, Illustrator, and Freehand.

Lab fee required

Prerequisites: Graphic Design 320 and 340, or by permission of instructor

**Credit: 3 Hours**

**GRPH 382 Computer Graphic Design II Design for Publications**

The intent of this course is to provide an introduction to design principles, concepts and techniques in the production of multi-page publication materials ranging from informative brochures to annual reports and trade magazines. Projects in the course will be based upon real-world scenarios, thereby providing students with portfolio-quality work. The course will use a variety of publication software such as QuarkXPress, Photoshop, Illustrator, and FreeHand.

Lab fee required

Prerequisites: Graphic Design 381, or by permission of instructor

**Credit: 3 Hours**

**GRPH 390 Production Graphics**

The intent of this course is to provide insight and experience in prepress and print production procedures. The course will discuss file preparation, printing processes, color calibration, and advancements in printing technology such as direct-to-plate printing.

Lab fee required

Prerequisites: Graphic Design 382, or by permission of instructor

**Credit: 3 Hours**

**GRPH 483 Portfolio & Self Promotion**

The intent of this course is to provide insight and experience in producing professional-quality presentation materials for the purpose of self-promotion in the areas of art and graphic design. Students will complete market research in an effort to develop portfolio and self-promotion materials specifically targeted toward their career interests within graphic design.

Lab fee required

Prerequisite: Junior or senior standing

**Credit: 3 Hours**

**GRPH 497 Internship**

Graphic Design majors are required to do a career-related internship in an actual business such as a graphic design firm, advertising agency, or other related businesses. 140 hours is the minimum work time for the semester. In-house internships may be created in lieu of the above in case of extreme difficulty in making arrangements. The internships may take place in town, in the student's home city, or other appropriate location.

**Credit: 3 Hours**

**Art History Courses****ARTH 161 Art Appreciation**

R

Offers aid in development of an appreciation of various forms and styles of art, to provide opportunity for aesthetic experiences and foundation for aesthetic judgments.

**Credit: 3 Hours**

**ARTH 361 Survey of Art History I**

Painting, sculpture, and architecture from ancient times to late Gothic period. Lecture with slides.

**Credit: 3 Hours**

**ARTH 362 Survey of Art History II**

Painting, sculpture, and architecture from Renaissance to present.

Prerequisite: Art History 361.

**Credit: 3 Hours**

**ARTH 366 Renaissance Art History**

The study of Renaissance painting, sculpture, and architecture from Italian beginnings through 16th century Mannerism. Lecture with slides.

**Credit: 3 Hours**

**ARTH 369 Seventeenth- and Eighteenth-Century Art History**

The study of art of the baroque and rococo styles. Lecture with slides.

**Credit: 3 Hours**

**ARTH 371 Modern Art History**

Western art since 1785. Includes theories and techniques of painting, sculpture, and architecture. Emphasizes 19th- and 20th-century art. Lecture with slides.

**Credit: 3 Hours**

**ARTH 373 Women in Visual Arts**

Women as subject by masculine and feminine artists and women as artists.

**Credit: 3 Hours**

**ARTH 375 American Art History**

A survey of the art forms of the U.S. From the colonial period through modernism.

**Credit: 3 Hours**

**Asian Studies**

(See Area Studies for minor)

website: <http://www.marietta.edu/~asia/>

**Astronomy**

(See Physics for minor)

**Athletic Training**

(See Sports Medicine for major)

**Biochemistry**

(See Biology or Chemistry for major)

Website: <http://www.marietta.edu/~biol/>

**Biology**

Department of Biology and Environmental Science

Website: <http://www.marietta.edu/~biol/>

Chair: Dr. David G. McShaffrey ([mcshaffd@marietta.edu](mailto:mcshaffd@marietta.edu))

Professors: Steven R. Spilatro, Almuth H. Tschunko; associate professors:

David J. Brown, Eric J. Fitch; assistant professor: Jennifer Hancock, Katrina

Lustofin; lecturer: Tanya T. Jarrell

Secretary: Judith Dunn

The Department of Biology and Environmental Science offers a major and minor in Biology and is home to the Environmental Science and Environmental Studies programs and the Health Science major. The department, jointly with the Department of Chemistry, offers a major in Biochemistry. The department identifies its mission as providing a strong, broad, and basic biological education in which the connections with the other liberal arts are an integral component.

**Requirements for a major in Biochemistry:** Biology 101, 105, 106, 131, and three other courses in Biology selected from 202, 309, 330 with 331, 340, and 430; Chemistry 131-134, 231, 303 - 306, 420, and 422; either (i) Biology 380 and 480, or 490, or (ii) Chemistry 495 and/or 496; Mathematics 125; Physics 211 or 221; and 212 or 222. [Note: Students planning to attend graduate school in biochemistry are advised to take one semester of physical chemistry (Chemistry 331), an additional semester of calculus (Mathematics 224), and General Physics (Physics 221 and 222) instead of College Physics (Physics 211, 212).]

**General Biology** **8 Hours**  
 BIOL 101  BIOL 105  BIOL 106   
 BIOL 131

**Biology Electives: Any 3 of the following** **11 to 12 Hours**  
 BIOL 202  BIOL 309   
 BIOL 330, 331  BIOL 340  BIOL 430

**Chemistry:** **24 Hours**  
 CHEM 131,133  CHEM 132,134   
 CHEM 231  CHEM 303,305   
 CHEM 304,306  CHEM 420,422

**Calculus** **4 Hours**  
 MATH 125

**Physics** **8 Hours**  
 PHYS 211  OR PHYS 221   
 PHYS 212  OR PHYS 222

**Senior Capstone** **3-4 Hours**  
 BIOL 380  AND EITHER BIOL 480 OR 490   
 OR  
 CHEM 495 AND/OR 496

**Total** **58 to 60 Hours**

**Requirements for a major in Biology:** 40 hours in Biology to include Biology 101, 105, 106, 131; Internship or Tutorship (Biology 497 or 498); one cellular course (Biology 309 or 330); one plant course (Biology 311 or 312); one animal course (Biology 203, 204, or 230), one integrative course (Biology 133, 305, 318 or 245); Capstone of Biology 380 and either Biology 480 or 490; and an additional selection of courses from Biology curriculum to total 40 hours of Biology; Chemistry 131 -134, and either Chemistry 303 and 305, or Chemistry 260\*; and one Mathematics course (125 or higher) or Psychology 285. There must be included in the forty hours of Biology courses at least three courses above the 100-level which contain laboratories.

\*Students planning to attend graduate or medical school are advised to complete Chemistry 303-306 instead of Chemistry 260.

**General Biology** **8 Hours**  
 Biol 101 n BIOL 105 n BIOL 106 n  
 Biol 131 n

**Biology Distributions, Complete each division requirement**

**Cellular: Either of the following** **3 or 4 Hours**  
 BIOL 309  BIOL 330

**Plant: Either of the following** **4 Hours**  
 BIOL 311  BIOL 312

**Animal: Any of the following** **3/4 Hours**  
 BIOL 203  BIOL 230  BIOL 320

**Integrative: One of the following** **3 Hours**

BIOL 133  BIOL 245  BIOL 305   
 BIOL 318

**Internship or Tutorship** **1-3 Hours**  
 BIOL 497  BIOL 498

**Senior capstone** **3 to 4 Hours**  
 BIOL 380

**plus either of the following**  
 BIOL 480  BIOL 490

**Biology Electives:** An additional selection of courses from the Biology curriculum, including courses not used above to satisfy a distribution requirement, excluding Biology 301, to bring to a total of forty hours in Biology. There must be included in the forty hours of Biology courses at least three courses above the 100-level which contain laboratories.

**Chemistry** **12 Hours**  
 CHEM 131, 133  CHEM 132, 134   
 AND EITHER  
 CHEM 303, 305  OR CHEM 260

**Math or Statistics:**  
**One of the following** **3 or 4 Hours**  
 PSYC 285  MATH 125 OR HIGHER

**Total** **55-56 Hours**

**Requirements for a minor in Biology:** Biology 101, 105, 106, 131, 133 and 11 hours of Biology electives.

**Requirements for a major in Health Science:** Biology 101, 105, 131, 106, 202, 203, 212, plus Biology 380 and 480; or other Capstone with departmental approval; Chemistry 131, 132, 133, 134, plus Chemistry 260 or both Chemistry 303 and 305; Mathematics 223 or Psychology 285; Psychology 101, plus Psychology 350 or both Psychology 206 and 207; Physics 211, 212; plus 8 or 9 hours selected from Biology 309, 330, 430, Biology/Sports Medicine 401, Sports Medicine 101, 285, 304, 325, 385.

**Biology** **19 Hours**  
 BIOL 101  BIOL 105  BIOL 131   
 BIOL 106  BIOL 202  BIOL 203   
 BIOL 212

**Chemistry** **12 Hours**  
 CHEM 131  CHEM 132  CHEM 133   
 CHEM 134   
 PLUS  
 EITHER CHEM 260   
 OR BOTH CHEM 303  AND CHEM 305

**Statistics** **3-4 Hours**  
**Either of the following**  
 MATH 223  PSYC 285

**Psychology** **6-9 Hours**  
 PSYC 101   
 PLUS EITHER  
 PSYC 206  AND PSYC 207   
 (NURSING AND PHYSICAL THERAPY REQUIREMENT)  
 OR  
 PSYC 350   
 (PHYSICIAN ASSISTANT REQUIREMENT)

**Physics** **8 Hours**  
 PHYS 211  PHYS 212

**Biology/Sports Medicine Electives** **8-9 Hours**

**Eight or nine hours selected from**

BIOL 309       BIOL 330       BIOL 430   
 BIOL/SPTM 401       SPTM 101       SPTM 285   
 SPTM 304       SPTM 325

**Senior Capstone**

BIOL 380       BIOL 480       **3 Hours**  
 OR OTHER CAPSTONE WITH DEPARTMENTAL APPROVAL

**Total**      **59-64 Hours**

## Suggested Program of Study for the Health Science Major

<b>Freshman Year - Fall</b>	<b>Spring</b>
Biology 101: Modern Biology Biology 105: Introductory Biology Laboratory I Mathematics 223: Statistics for Natural and Social Sciences	Biology 131: Introduction to Cellular and Molecular Biology Biology 106: Introductory Biology Laboratory II Psychology 101: Introduction to Psychology I
<b>Sophomore Year: Fall</b>	<b>Spring</b>
Chemistry 131: General Chemistry I Chemistry 133: General Chemistry Laboratory I Elective	Chemistry 132: General Chemistry II Chemistry 134: General Chemistry Laboratory II Biology 212: Human Anatomy
<b>Junior Year: Fall</b>	<b>Spring</b>
Physics 211: College Physics I Psychology 206: Child Development or Psychology 350: Abnormal Psychology Biology 203: Human Physiology Elective	Biology 202: General Microbiology Biology 380: Biology Research Methods Chemistry 260 : Organic and Biological Chemistry Physics 212: College Physics II
<b>Senior Year: Fall</b>	<b>Spring</b>
Biology 480: Biology Library Research or Biology 490: Biology Research Elective	Biology 480: Biology Library Research or Biology 490: Biology Research Psychology 207: Adolescence

## Biology Courses

### BIOL 101 Modern Biology C

Lecture course introducing fundamental concepts in biology, including ecology, evolution, heredity and DNA, human reproduction, and some physiological concepts.

Satisfies "Scientific Inquiry - with Lab," "B," when combined with Biology 105, 106 or 107

*Credit: 3 Hours*

### BIOL 102 Environmental Biology C

Lecture course in the applications of the scientific method to the study of organisms, their physical environment, and the interactions of organisms and their environment. Topics of study include major world habitats and the environmental problems facing them, the diversity of life, and the principle of homeostasis.

Satisfies "Scientific Inquiry - with Lab," "B," when combined with Biology 105, 106 or 107

*Credit: 3 Hours*

### BIOL 105 Introductory Biology Laboratory I B

A laboratory course in which students apply the scientific method to a variety of experimental situations in biology. Although the experimental models may change from semester to semester, the lab exercises are designed to provide situations in which students can apply such techniques as critical thinking, application of the scientific method, observation, analysis of data, information retrieval, and communication of ideas. Quizzes, homework assignments, and lab reports required.

Satisfies "Scientific Inquiry - with Lab," "B," when combined with Biology 101, 102, 131, or 150.

*Credit: 1 Hour*

### BIOL 106 Introductory Biology Laboratory II B

A laboratory course that builds on the skills developed in Biology 105. The experimental topics will differ from those of Biology 105, but will allow students to further develop such skills as using scientific method, critical thinking, and writing lab reports. Quizzes, homework assignments, and lab reports required.

Satisfies "Scientific Inquiry - with Lab," "B," when combined with Biology 101, 102, 131, or 150

Prerequisite: Biology 105.

*Credit: 1 Hour*

### BIOL 107 Biology Inquiry Lab B

Laboratory course designed for early and middle childhood licensure students. Hands-on inquiry into topics that can be adapted to various grade levels. Investigations allow students to apply such techniques as critical thinking, scientific method, observation, computer analysis of data, information retrieval, and communication of ideas. Involves lab and field work. Quizzes, homework assignments, and lab reports required.

Prerequisite: Concurrent registration in Biology 101 or 102.

Satisfies "Scientific Inquiry - with Lab," "B," when combined with Biology 101 or 102

*Credit: 1 Hour*

### BIOL 131 Introduction to Cellular and Molecular Biology C

Fundamental topics in cellular and molecular biology, including chemistry of life, cell structure and function, cellular metabolism, cell reproduction, DNA, RNA, protein synthesis, and genetics. This

course is intended principally for students majoring in Biology or Biology-related fields.

Satisfies "Scientific Inquiry - with Lab," "B," when combined with Biology 105, 106, or 107

**Credit: 3 Hours**

### BIOL 133 Integrative Biology C

A media-rich lecture environment facilitates examination of world biodiversity and how these organisms function as individuals and members of an ecosystem. Topics include a survey of the major groups of organisms, animal and plant structure and function, animal and plant systems, responses to stimuli, etc. These principles are then applied to complex phenomena such as behavior and responses to environmental phenomena such as eutrophication and global warming.

Prerequisite: Biology 101 or 102.

**Credit: 3 hours**

### BIOL 150 Selected Topics in Biology C

This course examines an area of Biology not otherwise covered in the biology curriculum or approaches the topic from a different perspective. Topics will vary from semester to semester. Potential topics include Biology and Society, Bioethics, Evolution, Marine Biology and Animal Behavior. Satisfies "Scientific Inquiry – with Lab," "B," when combined with Biology 105, 106 or 107.

**Credit: 3 Hours**

### BIOL 202 General Microbiology

Survey of eukaryotic and prokaryotic microorganisms. Emphasizes structure and physiology of bacteria, and their roles as agents of disease, contaminants in food and water, and applications in modern biotechnology industries. Includes bacterial genetics, virology, and immunology. Laboratory exercises include cultivation and identification of bacteria, metabolism, food and water analysis, and virology.

**Credit: 4 Hours**

### BIOL 203 Human Physiology

This lecture course will examine the physiology of the human body. The course will describe the physiology of molecules, cells, tissues and organs of all of the organs systems within the human body.

Prerequisite: Biology 212.

**Credit: 3 Hours**

### BIOL 204 Animal Physiology

Animal physiology is the study of how animals work. This lecture course will focus on the challenges all animals face and examine the diversity and unity of processes by which those challenges are met. Topics will include excitable cells, gas exchange, circulation, water and ion balance, and movement.

Prerequisite: BIOL 106

**Credit: 3 Hours**

### BIOL 212 Human Anatomy

This course will examine human gross anatomy. The lecture will emphasize the structure and function of all of the organ systems within the human body. The lab will include the dissection of a cat, study of the human skeletal system and study of human models.

**Credit: 4 Hours.**

### BIOL 230 Zoology B,W

Exploration of the animal world, from the microscopic world of rotifers to the intricate colors of a butterfly's wing to the melody of a

bird's song. A synoptic coverage of the animal phyla with particular attention to the insects and vertebrates, as well as an examination of the anatomy, taxonomy, ecology, evolution and behavior of the animals. Laboratory includes field work, observations of animals in field settings, collection techniques, descriptive and experimental techniques, field and laboratory identification.

Prerequisites: Sophomore standing or written permission of instructor.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 4 Hours.**

### BIOL 245 Environmental Toxicology

This lecture course focuses on answering how and why toxins and pollutants have their effects at the molecular, organism and ecosystem levels. In addition to the basics of toxicology, this course examines environmental toxicology in terms of epidemiology, occupational safety and risk assessment and looks at how decisions are made regarding acceptable levels of environmental pollutants. Offered alternate years.

Prerequisite: Chemistry 131-4.

**Credit: 3 Hours**

### BIOL 250 Biology Road Trip

Students will study issues in biology and geology during a one to two-week faculty supervised trip to various localities in North America. Focus of study is on basic biological and geological concepts and how their interrelationships relate to the bio-geological characteristics of a particular area. Accommodations will be at field stations and/or tent camping. Trips will generally be organized to locations that offer access to unique biological ecosystems and different sites may be visited different years.

Prerequisite: Written permission of a member of the Biology Department.

**Credit: 1 Hour**

### BIOL 253 Field Studies in Biology C,M

Students will study issues in biology and environmental conservation during supervised travel. Trips will be organized to international locations that offer access to unique biological ecosystems and/or locations where issues of environmental conservation can be studied on a local and national level. Course work will focus on biological concepts as well as how both biological and cultural considerations have impacts on the success or failure of conservation efforts.

Prerequisite: Biology 101 or 102 and permission of instructor

**Credits: 3 hours**

### BIOL 301 Scientific Imaging R

Many sciences require the use of images to convey instructions or results. This hands-on course teaches students how to make technically accurate images that are aesthetically pleasing as well. A useful course for science students who need to document their research, for education students who need to prepare classroom visual aids, or for visual arts students who want to utilize scientific imaging instruments in pursuing their art. Techniques covered include digital photography, copystand work, photomicroscopy, digital image processing and printing, document and presentation preparation, and geographical information system cartography. Extensive discussion of elements of composition, balance and visual design. Three hours of lecture and hands-on lab per week.

Prerequisites: At least sophomore standing with major in the sciences, education or visual arts or permission of instructor.

**Credit: 3 Hours**

### BIOL 305 Evolution

This course will introduce students to the process of evolution, evidence for that process, and the mechanisms by which evolution occurs, through lecture and discussion of scientific literature. Phylogenetic analysis will be used as the framework for understanding evolutionary history and how scientists study evolution. Topics include macroevolutionary patterns and the evolution of life histories, ecological interactions, genes and genomes, and discussion of the controversy in teaching evolution.

Prerequisites: BIOL 106; junior standing or permission of the instructor

**Credit: 3 Hours**

### BIOL 309 Cell Biology

W

Examines the relationship between cell structure and function. An emphasis on membrane structure, cell transport, cytoskeleton, gene expression and regulation, cell division, and cellular causes of cancer. Laboratory exercises involve techniques used in the study of cell biology, including histology, spectrophotometry, cell fractionation, tissue culture, electrophoresis, and immunochemistry.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisites: Chemistry 131-134 and Biology 131.

**Credit: 4 Hours.**

### BIOL 311 Flowering Plants

Identification, uses, and ecological roles of trees, shrubs, and wildflowers are covered during field trips. Class covers plant structure, adaptations, classification, economically important plants and physiology.

Prerequisites: Biology 101 and 131, or written permission of instructor.

**Credit: 4 Hours.**

### BIOL 312 Lower Plants

Seaweeds, toadstools, and horsetails. Common yet overlooked organisms (including algae, mushrooms and other fungi, lichen, liverworts, mosses, horsetails, ferns, Ginkgo, and conifer trees) as well as spring wildflowers. Plant identification and ecological roles covered during field trips. Biology of each group and examples of economically useful or harmful members covered in class.

Prerequisites: Biology 101 and 131, or written permission of instructor.

**Credit: 4 Hours.**

### BIOL 318 Ecology

How animals and plants make their way in the world, ranging from struggle of individual organisms with their surroundings to interactions of populations and communities. Lecture course with work in the computer lab as well.

Prerequisite: Computer Science 210 recommended.

**Credit: 3 Hours**

### BIOL 320 Animal Behavior

This course will explore the vast diversity of animal behavior, how animals process and respond to environmental stimuli. Through laboratory exercises, lecture, and reading of scientific literature, we

will attempt to answer two questions: 1) how do animals behave the way they do? and 2) why do animals behave this way? In other words, we will discuss both the mechanisms of animal behavior and the ecology and evolution of animal behavior. We will focus on diverse behaviors such as the role of nature and nurture in development of forager honey bees, evolutionary benefits of infanticide in lemurs, and the Mafia hypothesis to explain why magpies raise cuckoo bird young. Offered alternate years. Prerequisites: BIOL 106; junior standing or permission of the instructor

**Credit: 4 Hours**

### BIOL 330 Genetics

Modern genetics including DNA and gene structure and function, genetic engineering, mutations & repair, cytogenetics, genomic recombination, genetic diseases, Mendelian and other patterns of inheritance, organellar genomes, and population genetics. Lecture course.

Prerequisite: Biology 131.

**Credit: 3 Hours**

### BIOL 331 Molecular Biology Lab

Provides experience working with molecular biology techniques that have become important tools in many areas of biology. Students will learn how to isolate and manipulate DNA and RNA. Biotechnology techniques such as DNA sequencing, polymerase chain reaction (PCR) and hybridization will be included. Laboratory exercises have been scheduled to complement material covered in BIOL 330 (Genetics).

Prerequisite: Biology 131.

Recommended: taken concurrently with Biology 330

**Credit: 1 Hour**

### BIOL 340 Toxicology

This course examines the relationships between toxins and organisms on a molecular, cellular and whole animal level. General concepts of toxicology/pharmacology will be covered and related to laboratory experiments and readings in the scientific literature. The laboratory portion of this course introduces methods for detecting toxic responses in organisms including dose response curves, as well as spectrophotometry, electrophoresis, enzyme assays, chemical analysis, cell culture and immunochemistry. Offered alternate years.

Prerequisite: Biology 131 and Chemistry 131-4.

**Credit: 4 Hours.**

### BIOL 378 Field Biology Techniques

A field-based course teaching techniques used by biologists to count, measure, capture, describe, locate and otherwise investigate organisms and ecosystems in the wild. Techniques covered include trapping, transects, quadrant techniques, aquatic sampling, use of electronic probes, GIS and GPS, optics, and others. Experimental design, statistics, and use of taxonomic keys are also covered.

Prerequisite: Biology 105 or 107.

**Credit: 1 hour**

### BIOL 380 Biology Research Methods

This course is intended to provide students with the research skills necessary for the senior capstone experience in Biology. Such skills as research design, statistical considerations and analyses, equipment use, computer skills, such as Power Point and use of Excel, and literature searching will be taught and/or reinforced. By the end of the course the students will submit a formal research proposal to be pursued during their senior year.

Prerequisites: Biology, Biochemistry or Health Science major and junior standing.

**Credit: 1 hour**

### BIOL 401 Advanced Human Anatomy

Detailed study of musculo-skeletal system, joint structures, and special nerves. Other organ systems may be viewed. Human cadaver utilized for laboratory component. Includes demonstration dissections. (Also listed as Sports Medicine 401.)

Prerequisites: Biology 212; junior or senior standing; and written permission of instructor.

**Credit: 3 Hours**

### BIOL 430 Immunology

W

Functions and mechanisms of immune system, including major histocompatibility complex and humoral, cell-mediated and complement immune responses. Disease resistance, immunization, organ transplant rejection, autoimmune diseases, cancer immunology, and AIDS. Lecture course.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisites: Biology 245 or 309 or 330 or permission of the instructor.

**Credit: 3 Hours**

### BIOL 450 Aquatic Biology

Aquatic organisms and ecosystems, ranging from freshwater to oceans. Physics of life in water, water chemistry, and survey of aquatic habitats. Laboratory investigates these topics in local freshwater systems. Offered spring semester, alternate years.

Prerequisite: Biology 318. Recommended prerequisites: Biology 230 or 312.

**Credit: 4 Hours.**

### BIOL 480 Biology Library Research

Students pursue library research on a topic determined in BIOL 380 and agreed upon between the student and the faculty in the Biology and Environmental Science Department. This endeavor enables students to apply their knowledge of biology in a theoretical manner to a specific area of biology. This is a full academic year course and a grade is not submitted until the end of the two semesters of work. It culminates in a written scientific paper at the end of the first semester and a formal oral presentation at the end of the second semester. (Either this course or Biology 490 is required of all senior Biology majors.)

Prerequisites: Biology 380, Biology, Biochemistry or Health Science major, and senior standing, or written permission from the Chair of the Biology and Environmental Science Department.

**Credits: 2 hours**

### BIOL 490 Biology Research

Students pursue an "original," hands-on, laboratory, and/or field research project in biology. This endeavor enables students to apply their knowledge of biology to an actual research project through application of the scientific method and also requires the student to do an extensive review of the relevant literature. This is a full academic year course and a grade is not submitted until the end of the two semesters of work. It culminates at the end of the second semester in writing a scientific paper (although actual publication is not required) and/or a presentation at a poster session and presentation of the research results at a formal oral presentation in the Biology and Environmental Science Department. (Either this course or Biology 480 is required of

all senior Biology majors.)

Prerequisite: Biology 380, Biology, Biochemistry or Health Science major, and senior standing, or written permission from the Chair of the Biology and Environmental Science Department.

**Credit: 3 Hours**

### BIOL 495 Directed Research

Instructor-directed student research; research area determined in consultation between student and instructor.

Prerequisite: Junior or senior standing, or written permission of instructor.

**Credit: 1 or more Hours**

### BIOL 497 Internship

Internships provide credit for educational value of certain work experiences. Such internships are worked out on an individual basis. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Junior or senior standing.

**Credit: 1 to 3 Hours**

### BIOL 498 Tutorship

Tutorships provide credit to students who learn by helping other students to learn. Usually achieved by assisting in Biology Department laboratory.

Prerequisite: Junior or senior standing.

**Credit: 1 Hour**

## Broadcasting

(See Communication and Media Studies)

## Business & Economics

Marcus and Mindel Vershok Brachman Department of Business & Economics.

Website: <http://www.marietta.edu/~ema/>

Chair: Dr. James Falter (jf002@marietta.edu)

Emeritus Professor: Edward H. Osborne

Professors: Mark A. Bagshaw, Gregory Delemeester, Grace F. Johnson, Sidney Potash, Michael B. Taylor; associate professor: Jacqueline

Khorassani; assistant professors: Dale Ames, Jeremy Fei Wang; lecturers:

C. Roger Lewis, Roland Riggs, Joan Washburn

Secretary: Paula R. Lewis

Nine major programs are offered by the department. Students must complete at least 60 hours of courses outside the department toward the minimum requirements for graduation. No more than 48 credit hours taken from one subdivision of the department may count toward the hours required for graduation. Eight minors are also available.

Several courses in the department use Excel spreadsheets. Students lacking a basic knowledge of spreadsheet software are encouraged to enroll in Computer Science 110, Computing in Business, during their freshman year.

Students who are planning to do graduate work in economics should be aware that most graduate schools in economics expect their entering students to have the equivalent of Economics 211, 212, 349, 375, and 420; and Mathematics 123, 125, 224, 225, and 304.

Students who are planning to do graduate work in management or accounting should be aware that many graduate schools recommend that their entering students have a strong background in economics and mathematics, e.g., Economics 211, 212, and 349; and Mathematics 123 and 125. Students should check into the specific requirements of graduate programs in which they are interested since entrance requirements vary widely from program to program.

**Requirements for a major in Accounting:** Department core courses of Economics 211 and 212, Management Information Systems 220, and Accounting 201; plus a course in Management or Finance numbered 300 or above. Excluding internship courses; Accounting 202, 301, 302, 303, 320, 460 and at least four courses chosen from Accounting 311, 401, 410, 420, and 497. (See, also, the requirements for a major in Public Accounting, below, for those interested in becoming Certified Public Accountants in states with a 150-hour education requirement.)

**Department core courses 12 Hours**  
 ACCT 201       ECON 211       ECON 212   
 MIS 220

**Accounting 15 Hours**  
 ACCT 202       ACCT 301       ACCT 302   
 ACCT 303       ACCT 320

**Accounting Electives: Four of the following 12 Hours**  
 ACCT 311       ACCT 401       ACCT 410   
 ACCT 420       ACCT 497

**Management Elective 3 Hours**  
 ONE MANAGEMENT COURSE AT 300 OR 400 LEVEL  
 (EXCLUDING CAPSTONE AND INTERNSHIPS)

**Capstone 3 Hours**  
 ACCT 460

**Total 45 Hours**

**Requirements for a major in Economics:** Economics 211, 212, 349, 375, 420, and 421; at least 12 additional hours chosen from the remaining Economics courses, Engineering 325, and Political Science 340; one from Mathematics 123, 223, Psychology 285. (Depending on their interest and future plans, students are strongly encouraged to combine the Economics major with another major or minor.)

**Economics 15 Hours**  
 ECON 211       ECON 212       ECON 349   
 ECON 375       ECON 420

**Economics Electives: Four of the following 12 Hours**  
 ECON 301       ECON 325       ECON 340   
 ECON 347       ECON 350       ECON 360   
 ECON 371       ECON 372       ECON 414   
 ECON X94       ECON X97       EGRG 325   
 POLS 340

**Statistics: One of the following 3-4 Hours**  
 MATH 123       MATH 223       PSYC 285

**Capstone 3 Hours**  
 ECON 421

**Total 33-34 Hours**

**Requirements for a major in Finance:** Department core courses of Accounting 201, Economics 211, 212, and Management Information Systems 220; plus Finance 301, 421, 430, Management 301, 381, either 453 or 497; Accounting 202 and 301; Economics 301; three courses chosen from Accounting 420, Finance 410, 415, 422, Management

360; Mathematics 123; either Writing 305 or Communication 420.

**Department core courses 12 Hours**  
 ACCT 201       ECON 211       ECON 212   
 MIS 220

**Finance 9 Hours**  
 FIN 301       FIN 421       FIN 430

**Management 6 Hours**  
 MNGT 301       MNGT 381

**Accounting 6 Hours**  
 ACCT 202       ACCT 301

**Economics 3 Hours**  
 ECON 301

**Finance Electives 9 Hours**  
 THREE OF THE FOLLOWING  
 ACCT 420       ECON 420       FIN 410   
 FIN 415       FIN 422       MNGT 360

**English/Communication: One of the following 3 Hours**  
 WRIT 305       COMM 420

**Statistics 3 Hours**  
 MATH 123

**Capstone: One of the following 3 to 6 Hours**  
 ECON 420 AND 421       MNGT 453       FIN 497

**Total 54 Hours**

**Requirements for a major in Human Resource Management:** Department core courses of Accounting 201, Economics 211, 212, and 371; Management Information Systems 220; plus Management 301, 345, 355, 445 one course chosen from Writing 305 or Communication 420; one course chosen from Mathematics 123 or Psychology 285; Psychology 101 and Psychology 377; Communication 250 and 311; two courses chosen from Communication 430, Gender Studies 350, Psychology 325, Economics 325 or Management 497.

**Department core courses 24 Hours**  
 ACCT 201       ECON 211       ECON 212   
 ECON 371       MIS 220       MNGT 301   
 MNGT 345       MNGT 355

**English/Communication: One of the following 3 Hours**  
 WRIT 305       COMM 420

PSYCHOLOGY 6 HOURS  
 PSYC 101       PSYC 377

**Statistics 3-4 Hours**  
**One of the following**  
 MATH 123       PSYC 285

**Communication 4 Hours**  
 COMM 250       COMM 311

**Any two of the following 6 Hours**  
 COMM 430       GEND 350       PSYC325   
 ECON 325       MNGT 497

**Capstone 3 Hours**  
 MNGT 445

**TOTAL 49-50 Hours**

The departments of Modern Languages and of Business & Economics combine to offer the International Business major. The major is avail-

able with Chinese, French or Spanish as the language concentration. Students wishing to pursue Japanese or Portuguese as the language concentration should consult the chair of the Department of Business & Economics.

**Requirements for a major in International Business:** Department core courses of Accounting 201, Economics 211, 212, Management Information Systems 220; plus Management 225, 301, 381; Finance 330; three courses from Economics 372, 414, History 220, Management 388, Political Science 130, 340. Capstone course for major is Management 453. Students must also complete either Track 1 or Track 2

**Track 1:** This track is designed for students for whom English is their first language and requires Language 101, 102, 201, 202, 301, plus study abroad approved by both the Director of Study Abroad and the Department chair.

**Track 2:** This track is designed for students for whom English is not their native language and requires either Writing 305 or Communication 420.

**Department Core Courses 12 Hours**  
ACCT 201  ECON 211  ECON 212   
MIS 220

**Management and Economics 12 Hours**  
ECON 414  MNGT 225  MNGT 301   
MNGT 381

**International Electives 9 Hours**  
**Three of the following:**  
ECON 372  FIN 430  HIST 220   
MNGT 388  POLS 130  POLS 340   
CAPSTONE 3 HOURS  
MNGT 453

**Plus for track 1:**

**Language (Select one language) 15 Hours**  
LANG 101  LANG 102  LANG 201   
LANG 202  LANG 301

DEPENDING ON THE STUDENT'S LEVEL OF PROFICIENCY, THE DEPARTMENT OF MODERN LANGUAGES MAY WAIVE ONE OR MORE COURSES IN CHINESE, FRENCH OR SPANISH.

**International Experience**  
APPROVED STUDY ABROAD

**Total for track 1 51 Hours**

**Plus for track 2:**

**English/Communication: 3 Hours**  
**One of the following**  
WRIT 305  COMM 420

**Total for track 2 39 Hours**

**Requirements for a major in Management:** Department core of Accounting 201, Economics 211, 212, Management Information Systems 220; plus Management 301, 315, 345, 360, 381, and 451 or 453; Accounting 202; Finance 301; Leadership 101 or 111, and 112 or 203, plus 305; Writing 305 or Communication 420; Mathematics 123.

**Department core courses 12 Hours**  
ACCT 201  ECON 211  ECON 212   
MIS 220

**Management 15 Hours**  
MNGT 301  MNGT 315  MNGT 345   
MNGT 360  MNGT 381

**Accounting and Finance 6 Hours**  
ACCT 202  FIN 301   
LEADERSHIP 9 HOURS  
LEAD 101 OR 111  LEAD 112 OR 203  LEAD 305

**English/Communication: 3 Hours**  
**One of the following**  
WRIT 305  COMM 420

**Statistics 3 Hours**  
MATH 123

**Capstone: One of the following 3 Hours**  
MNGT 451  MNGT 453

**Total 51 Hours**

**Requirements for a major in Management Information Systems:** Accounting 201, Economics 211, Management 301; Management Information Systems 220, 310, 330, 340, 410, 490; one course chosen from Management Information Systems 280, 420, 430, a Computer Science course at the 300 or above level; Computer Science 115, 230, 365, 371; three courses chosen from Accounting 202, Management 320, 345, 360, 381; Communication 310 plus either Communication 420 or Writing 305; Mathematics 123.

**Economics, Management and Accounting 9 Hours**  
ACCT 201  ECON 211  MNGT 301

**Management Information Systems 15 Hours**  
MIS 220  MIS 310  MIS 330   
MIS 340  MIS 410

**Management Information Systems Elective: 3 Hours**  
ONE OF THE FOLLOWING  
MIS 280  MIS 420  MIS 430   
CSCI AT 300 OR ABOVE LEVEL

**Computer Science 12 Hours**  
CSCI 115  CSCI 230  CSCI 365   
CSCI 371

**Accounting/Finance/Management Electives 9 Hours**  
**Three of the following**  
ACCT 202  FIN 301  MNGT 345   
MNGT 360  MNGT 381

**Communication and English 6 Hours**  
COMM 310

**and one of the following**  
COMM 420  WRIT 305

**Statistics 3 Hours**  
MATH 123

**Capstone 3 Hours**  
MIS 490

**Total 60 Hours**

**Requirements for a major in Marketing:** Department core of Accounting 201, Economics 211, 212, Management Information Systems 220; plus Management 301, 381, 385, 432, and either 451 or 453; one course chosen from Management (Leadership) 225, History 220, or Communication 385; one course chosen from Management 386, Mass Media 225, 230, or 320; Mathematics 123

**Department core courses**

ACCT 201       ECON 211   
MIS 220

**12 Hours**  
ECON 212

**Management**

MNGT 301       MNGT 381   
MNGT 388       MNGT 432

**15 Hours**  
MNGT 385

**Marketing Electives:**

**One course from**  
MNGT 225       HIST 220

**6 Hours**  
COMM 385

**One course from**

MNGT 386       MASS 225   
MASS 320

MASS 230

**Statistics**

MATH 123

**3 Hours**

**Capstone: One of the following**

MNGT 451       MNGT 453

**3 Hours**

**Total**

**39 Hours**

**Requirements for a major in Public Accounting:** This 150-hour course of study is available to students who are interested in becoming licensed as Certified Public Accountants. (Most state boards of accountancy now require a 150-hour course of study). Department core courses of Accounting 201; Economics 211 and 212, Management Information Systems 220; plus Accounting 202, 301, 302, 303, 320, 405, 410, 420, 460, and two courses chosen from 311, 401, and 497; Finance 301, Management 301, 381, and 415; one course chosen from Management 451 or 453; Leadership 305; Writing 305; Communication 420; Computer Science 110, and Mathematics 123. (See, also, the requirements for a major in Accounting.)

**Department Core Courses**

ACCT 201       ECON 211   
MIS 220

**12 Hours**  
ECON 212

**Accounting**

ACCT 202       ACCT 301   
ACCT 303       ACCT 320   
ACCT 410       ACCT 420

**22 Hours**  
ACCT 302   
ACCT 405

**Accounting Electives: Two of the following**

ACCT 311       ACCT 401

**6 Hours**  
ACCT 497

**Computer Science**

CSCI 110

**3 Hours**

**Finance**

FIN 301

**3 Hours**

**Management**

MNGT 301       MNGT 381

**12 Hours**  
MNGT 415

**Communication and English**

COMM 420       WRIT 305

**6 Hours**

**Statistics**

MATH 123

**3 Hours**

**Leadership**

LEAD 305

**3 Hours**

**Capstone**

ACCT 460

**3 Hours**

**Total**

**73 Hours**

**Requirements for a minor in Accounting:** Accounting 201, 202, 301, 302, 303, and 311; and Management Information Systems 220.

**Requirements for a minor in Economics:** Economics 211, 212, plus nine additional hours in Economics; and Mathematics 123.

**Requirements for a minor in Finance:** Accounting 201 and 202; Economics 211, 212, and 301; Finance 301 and 321; and Mathematics 123.

**Requirements for a minor in Human Resource Management:** Accounting 201, Economics 211; Management 301, 345 and 355; and Psychology 101 and 377; Communication 311.

**Requirements for a minor in Management:** Accounting 201; Economics 211, Management 301, 315, 381; and Management Information Systems 220

**Requirements for a minor in Management Information Systems:** Management Information Systems 220, 410, and either 310 or 340; Computer Science 115, 230; Accounting 201; plus two courses selected from Management Information Systems 280, 310 or 340 (whichever not selected above), 330, 420, 430, 490, Computer Science 305, 371.

**Requirements for a minor in Marketing:** Accounting 201; Economics 211; Management 381; Management Information Systems 220 (12 hours). Two courses from: Management 225, 385, 386, Mass Media 225 or 230 (6 hours). One course from: Management 388 or 432 (3 hours).

**Requirements for a minor in Sports Management:** Management/Physical Education 330, 332, 334, plus one course chosen from Physical Education 325, 328, 497; plus, for the administration track, Economics 211, Accounting 201, plus two courses chosen from Management 301, 345, 381, Economics 340; plus, for the information track, Mass Media 101, 207, 320, plus one course chosen from Mass Media 230, Physical Education 336. Students must choose between the administration and information tracks. In offering this minor, the department participates with the Departments of Communication and Media Studies and of Health and Physical Education.

The department participates in two business-related majors: Advertising and Public Relations, and Computer Information Systems.

**Accounting Courses**

**ACCT 201 Introduction to Management Accounting**

Offers basic understanding of how accounting information can be used in making business decisions. Emphasizes use of accounting information rather than procedural aspects of accumulating and classifying financial data.

Recommended Prerequisite: SAT-M of 400+ or ACT-M of 19+ or completion of Mathematics 080 with a grade of "C" or better.

**Credit: 3 Hours**

**ACCT 202 Introduction to Financial Accounting**

Principles of analyzing, recording, summarizing, and communicating results of business transactions. Includes preparation and interpretation of financial statements and application of accounting principles to proprietorships, partnerships, and corporate forms of organization.

**Credit: 3 Hours**

**ACCT 301 Intermediate Accounting I**

Theoretical and practical application of generally accepted accounting principles. Accounting Principles Board (APB) and Financial

Accounting Standards Board (FASB) pronouncements and opinions discussed.

Prerequisite: Accounting 202.

**Credit: 3 Hours**

### ACCT 302 Intermediate Accounting II

Theoretical and practical application of generally accepted accounting principles. Accounting Principles Board (APB) and Financial Accounting Standards Board (FASB) pronouncements and opinions discussed.

Prerequisite: Accounting 301.

**Credit: 3 Hours**

### ACCT 303 Intermediate Accounting III

Theoretical and practical application of generally accepted accounting principles. Accounting Principles Board (APB) and Financial Accounting Standards Board (FASB) pronouncements and opinions discussed.

Prerequisite: Accounting 301. (May be taken without or concurrently with Accounting 302.)

**Credit: 3 Hours**

### ACCT 311 Cost Accounting

Manufacturing cost determination and allocation under job-order and process systems. Cost management and target pricing using activity-based costing and value analysis. Establishment of standard costs, budgets, and analysis of variances.

Prerequisites: Accounting 201 and 202.

**Credit: 3 Hours**

### ACCT 320 Accounting Information Systems

Design, use, and audit of accounting systems. Offers foundation for understanding business operations, transaction processing, management decision making, and impact of technology on accounting activities.

Prerequisites: Accounting 301 (or concurrent enrollment) and Management Information Systems 220.

**Credit: 3 Hours**

### ACCT 401 Advanced Accounting

Problems peculiar to mergers and consolidations, partnerships, foreign transactions and translation, currency hedging, partnerships.

Prerequisite: Accounting 301.

**Credit: 3 Hours**

### ACCT 405 Governmental and Nonprofit Accounting

Accounting practices and reporting of governmental units and nonprofit entities such as colleges and hospitals.

Prerequisite: Accounting 202.

**Credit: 1 Hour**

### ACCT 410 Auditing

Auditor's environment, ethical standards, legal responsibilities, and reporting requirements. Sampling and testing procedures used to verify internal control systems and account balances. Offers foundation for auditing section of Uniform CPA Examination.

Prerequisite: Accounting 301. Recommended prerequisite: Mathematics 123.

**Credit: 3 Hours**

### ACCT 420 Federal Income Taxation

Tax planning for individuals, corporations, and small businesses. Includes topics such as income shifting, using trusts to minimize

taxes, S corporations, tax aspects of divorce, capital gains, and tax credits. Provides a foundation for the accountant as a tax advisor to individuals and small business owners.

**Credit: 3 Hours**

### ACCT 460 Accounting Research

This course introduces students to research on current issues in accounting using various online databases. Special emphasis is placed on research techniques using the FARS database, and those of the Securities and Exchange Commission, the Financial Accounting Standards Board and the International Accounting Standards Board. Prepares students for the new computerized format of the uniform CPA examination. Prerequisites: Senior standing, Accounting 301 and completion of/concurrent enrollment in Accounting 302 and 303

**Credit: 3 Hours**

### ACCT X97 Internship in Accounting

Offers opportunity for professional experience through employment with cooperating business firms and governmental agencies. Includes orientation session prior to employment and debriefing seminars after employment termination. Includes student reports and employer and faculty evaluations. Course graded on a satisfactory-unsatisfactory basis only. Prerequisites: Junior or senior standing and approval of Departmental Internship Committee.

**Credit: 1 to 3 Hours.**

## Economics Courses

### ECON 211 Principles of Microeconomics

Y

Analysis of resource allocation under market systems emphasizing theories of consumer and firm. Various market structures, role and impact of government intervention in market system, and market failures.

Prerequisite: SAT-M of 400+ or ACT-M of 19+ or completion of Mathematics 080 with a grade of "C" or better.

**Credit: 3 Hours**

### ECON 212 Principles of Macroeconomics

Y

Factors that determine aggregate employment, production, and income. Fiscal and monetary policies and banking system.

Prerequisite: SAT-M of 400+ or ACT-M of 19+ or completion of Mathematics 080 with a grade of "C" or better.

**Credit: 3 Hours**

### ECON 301 Money and Banking

Financial markets and institutions, especially commercial banking industry; Federal Reserve System; monetary policy.

Prerequisites: Economics 211 and 212.

**Credit: 3 Hours**

### ECON 325 Economics of Gender

X

The economic analysis of the causes and the effects of gender differences in labor force participation, employment, earnings, charitable contributions, housework, childcare, education, etc. Historical trends as well as current gender differences in the world are also discussed.

Prerequisite: Economics 211.

**Credit: 3 Hours**

### ECON 330 Economics of Healthcare

An examination of the special features of health care as a commodity. Topics include the demand for health and medical care services,

the behavior of medical care providers (I.e., physicians and hospitals), the functioning of Insurance markets, the role of technology and managed care arrangements, and the role of government as provider and regulator.

Prerequisite: Economics 211

**Credit: 3 Hours**

#### ECON 340 Economics of Sports

An analysis of the economics of professional sports. Attention is given to the major professional team sports involving topics such as the economics of franchises, stadiums, leagues, and labor markets.

Prerequisite: Economics 211.

**Credit: 3 Hours**

#### ECON 349 Intermediate Microeconomics

Price theory of firm under various market conditions, emphasizing theoretical techniques of economic analysis, including indifference curve analysis, offer curve, and general equilibrium. Resource allocation theory, including welfare economics. (Scheduled every third semester.)

Prerequisite: Economics 211.

**Credit: 3 Hours**

#### ECON 350 Environmental Economics

The economic analysis of exhaustible and renewable resources. Topics include the design and impact of government policy as it pertains to water and air pollution, global warming, endangered species, sustainable economic growth, and a host of other environmental problems.

Prerequisite: Economics 211.

**Credit: 3 Hours**

#### ECON 360 Law and Economics

Economic analysis of legal rules of property, contract, and tort. Topics include product liability law, the economics of crime, government takings, and bargaining theory.

Prerequisite: Economics 211.

**Credit: 3 Hours**

#### ECON 371 Labor Economics

Analysis of labor markets and related institutional and policy issues. Discrimination, unemployment, unions and collective bargaining, wage differentials, compensation, training and education. Emphasizes critical analysis of observed data using economic methods and techniques. (Scheduled every third semester.)

Prerequisites: Economics 211 and 212.

**Credit: 3 Hours**

#### ECON 372 Comparative Economic Systems

M

A survey of contemporary economic systems from around the world. Emphasizes not only industrialized Western economies, but also Asian and Latin American economies, among others. Particular attention is given to economies in transition.

Prerequisites: Economics 211 and 212.

**Credit: 3 Hours**

#### ECON 375 Intermediate Macroeconomics

Integrated study of Neoclassical economics and Keynesian theory of income and employment. Applications and limitations of Keynesian economics. Monetarist theory and post-Keynesian developments. (Scheduled every third semester.)

Prerequisites: Economics 211 and 212.

**Credit: 3 Hours**

#### ECON 414 International Economics

Economic theories of international trade and monetary systems. Topics include comparative advantage, effects of trade barriers, determination of exchange rates, regional economic integration arrangements, and international economic organizations.

Prerequisites: Economics 211 and 212.

**Credit: 3 Hours**

#### ECON 420 Applied Regression Analysis

Statistical methods used in economics and other behavioral sciences emphasizing simple and multiple linear regression analysis.

Prerequisites: Mathematics 123 or 223, or Psychology 285, and permission of instructor.

**Credit: 3 Hours**

#### ECON 421 Empirical Research

Students collect and analyze data to test empirically an economic theory and produce a written report.

Prerequisite: Economics 420

**Credit: 3 Hours**

#### ECON X97 Internship in Applied Economics

Offers student opportunity for field experience in economics through employment with cooperating employers. Includes orientation session prior to employment and debriefing seminars after employment termination. Includes student reports and employer and faculty evaluations.

Prerequisites: Junior or senior standing and approval of Departmental Internship Committee.

**Credit: 1 to 3 Hours.**

### Finance Courses

#### FIN 301 Business Finance

The course examines the financial function of corporations. Emphasizes financial analysis, planning, and control; working capital management; capital budgeting; valuation, cost of capital, and leverage; and long and short-term financing decisions.

This course is not open to students who have already completed Management 320, except where the student wishes to repeat the course and replace the earlier grade under the College's policy.

Prerequisites: Accounting 202 and Economics 212.

**Credit: 3 Hours**

#### FIN 410 Risk Management and Insurance

This course focuses on non-speculative risk and its management; identification and measurement of risk; techniques of risk control; and models of risk management. The course also considers applications in insurance.

This course is not open to students who have already completed Management 327, except where the student wishes to repeat the course and replace the earlier grade under the College's policy.

Prerequisite: Finance 301.

**Credit: 3 Hours**

#### FIN 415 Financial Services

This course introduces the student to financial institutions from the perspectives of the financial analyst and corporate finance manager. The student will become familiar with the financial services offered to the public and with the financial, operational, and organizational aspects of the institution. Topics may vary but will usually include

asset and liability management, investment and commercial banking, non-bank financial firms, mergers, acquisitions, and capital market financial instruments and derivative securities. This course will include expert speakers from financial institutions, applied cases and computer-based projects.

Prerequisite: Finance 301.

*Credit: 3 Hours*

#### FIN 421 Investment Fundamentals

This course introduces the student to the structure and function of the stock market, portfolio diversification; and securities analysis.

This course is not open to students who have already completed Management 321, except where the student wishes to repeat the course and replace the earlier grade under the College's policy.

Prerequisite: Finance 301.

*Credit: 3 Hours*

#### FIN 422 Investment Portfolio Management

This course takes the student through an analysis of the stock market, equity and debt investments. Topics covered include developments in investment theory, valuation principles and practices, analysis and management of common stocks, bonds and derivatives. The course includes projects using commercially-available software.

This course is not open to students who have already completed Management 322, except where the student wishes to repeat the course and replace the earlier grade under the College's policy.

Prerequisite: Finance 421.

*Credit: 3 Hours*

#### FIN 430 International Finance

This course will explore challenges and opportunities for trading globally. An in-depth analysis will be made of the exposure to the added international financial risks of a multinational corporation. Analysis will also be made of practical aspects to mitigate or hedge these risks.

This course is not open to students who have already completed Management 325, except where the student wishes to repeat the course and replace the earlier grade under the College's policy.

Prerequisite: Finance 301.

*Credit: 3 Hours*

### Management Courses

#### MNGT 225 Business in Global Contexts

M

A survey of the major issues a business encounters in operating across borders, and the impact of these issues on such business functions as accounting, finance, manufacturing and materials management, marketing, and human resource management. Topics include the impact of globalization on producer and consumer markets, national differences in political economy and culture, foreign direct investment, and strategic and structural implications of operating the business internationally. (Also listed as Leadership 225.)

*Credit: 3 Hours*

#### MNGT 301 Managing Organizations

General survey of management concepts, covering major functions of planning, organizing, leading, and controlling.

Prerequisites: Economics 211 and Accounting 201.

*Credit: 3 Hours*

#### MNGT 315 The Legal Environment of Business

Introduction to major points of business law, focusing primarily on the common law areas of tort, contracts, property and business associates. Legal procedures, jurisdiction and the government regulation of business will also be surveyed.

*Credit: 3 Hours*

MNGT 320, 321, 322, 325, 327, 328 courses have been renumbered, see FIN 301, 410, 415, 421, 422, 430

#### MNGT 330 Sports Management

An introduction to sports management. All students will acquire an understanding of the importance of management concepts and principles and their application to the sports industry, become familiar with the technical language associated with the field, and learn when and where to seek and find more information about sports management issues. Issues in human resource management, financial management, and business policy as they affect sports management are also discussed. (Also listed as Physical Education 330).

Prerequisite: Junior or senior standing.

*Credit: 3 Hours*

#### MNGT 345 Human Resource Management

Survey of human resource principles and practices in areas of personnel planning, recruitment, selection, training and development, performance appraisal, compensation, discipline, safety, and employment law.

Prerequisite: Management 301.

*Credit: 3 Hours*

#### MNGT 355 Industrial Relations

Principles and techniques of labor relations as applied to industry and business. Emphasizes administration of industrial relations, particularly those associated with union-management relationships and related problems.

Prerequisite: Junior standing.

*Credit: 3 Hours*

#### MNGT 360 Production and Operations Management

Productivity and quality in production and service systems; inventory control; plant location and distribution; production planning and scheduling.

Prerequisite: Mathematics 123.

*Credit: 3 Hours*

#### MNGT 381 Principles of Marketing

An examination of the current use of fundamental marketing concepts and strategies to better meet the wants and needs of customers in a competitive, global marketplace. Special attention is paid to current examples from the business press with an emphasis on the U. S. as a regional market in a global economy.

Prerequisites: Accounting 201.

*Credit: 3 Hours*

#### MNGT 385 Marketing Research

Research methods and procedures for conduct of studies leading to marketing decisions. Techniques of gathering and analyzing data evaluated.

Prerequisites: Management 381 and Mathematics 123.

*Credit: 3 Hours*

**MNGT 386 Consumer Behavior**

Consumer decision making processes and psychological, sociological, and cultural factors influencing them. Analysis of marketing mix strategies and policies in behavioral context. Prerequisite: Management 381.

*Credit: 3 Hours*

**MNGT 388 International Marketing**

M

Application of marketing concepts to problems of doing business internationally. Environmental/cultural approach taken and tools for understanding import of cultural differences and impacts of natural and social environments considered.

Management 225 or 381, or History 220 or Communication 385.

*Credit: 3 Hours*

**MNGT 415 Commercial Law**

Introduction to major points of modern business law, focusing primarily on the Uniform Commercial Code. Contractual relationships are explored through the law of sales, secured transactions, bankruptcy, and negotiable instruments. Conceptual approach to the structure and function of business associations. Credit: 3 Hours

**MNGT 432 Marketing Management**

Goal-oriented analysis of marketing, planning, implementation, and control activities. Focuses on practical operations, decision making, and complete marketing programs of firms.

Prerequisites: Accounting 201, Management 381, and senior standing.

*Credit: 3 Hours*

**MNGT 445 The Human Resource Professional**

This course is designed to serve as an advanced undergraduate course for the human resource major focusing on the strategic aspects of the field. It provides for the integration and synthesis of the key areas within the human resource discipline. The six key areas of human resources that will be examined are: strategic management; workforce planning; HR development and training; compensation and benefits; employee and labor relations; and occupational health, safety and security. The course will examine the major issues and challenges faced by human resource professionals in today's current environment.

Prerequisites: Senior standing and permission of instructor.

*Credit: 3 Hours*

**MNGT 451 Business Consulting**

Student teams work in the field as consultants to local businesses and economic development agencies. Students work under the supervision of a faculty member to provide clients with written and oral reports. Enables students to apply what they have learned in the classroom to the business community.

Prerequisite: Senior standing.

*Credit: 3 Hours*

**MNGT 453 Business Policies and Practices**

Integrated analytical study of organizational environment, philosophy, and purpose from an executive viewpoint. Emphasizes formulation of policies, objectives, and programs of action. Intensive use of case study methods, in conjunction with evaluation of current corporate practices.

Prerequisites: 15 hours in management and/or economics and senior standing.

*Credit: 3 Hours*

**MNGT X97 Internship in Management**

Offers opportunity for field experience in management-related areas through employment with cooperating employers. Includes orientation session prior to employment and debriefing seminars after employment termination. Includes student reports and employer and faculty evaluations. Course graded on satisfactory-unsatisfactory basis only. (Does not count toward major requirements.)

Prerequisites: Junior or senior standing and approval of Departmental Internship Committee.

*Credit: 1 to 3 Hours.*

**Management Information Systems Courses****MIS 220 Introduction to Management Systems**

Management Information Systems is the study of how organizations use computerized information systems. It introduces the student to the people, technology, procedures, and controls that together: maintain essential channels of communication; process and control routine business activities; alert management and others to significant internal and external business events; and assist in strategic business decision-making.

This course is not open to students who have already completed Management 220, except where the student wishes to repeat the course and replace the earlier grade under the College's policy.

Prerequisite: Sophomore standing or higher.

*Credit: 3 Hours*

**MIS 280 Commercial Website Development and Management**

This "hands-on" course provides students with the skills required to design and build commercial internet web sites. Students will learn how to develop quality sites by using ASP.NET, VB.NET, and JavaScript as well as interfacing to relational databases. Students will also learn how to plan and manage a commercial website.

Prerequisite: Management Information Systems 220

*Credit: 3 hours*

**MIS 310 Enterprise Information Systems and ERP**

This course addresses the increasingly important role played by enterprise information systems (EISs) and enterprise resource planning (ERP). It examines how EIS applications – provided by software companies such as SAP, Oracle, PeopleSoft, i2, Baan, and Siebel – unite an organization's supply chain, customer relationship, product lifecycle, human resource, and accounting and finance business processes. The impact of current issues and new technologies on business processes is emphasized through discussion and application.

Prerequisite: Management Information Systems 220.

*Credit: 3 credit Hours.*

**MIS 330 Introduction to E-Business and E-Commerce**

The goal of this course is to introduce basic concepts of e-business and e-commerce from both managerial and technical perspectives. Through this course, students will gain an understanding and insight on how new technology and media forms have created unprecedented challenges and opportunities for business. Through individual and team projects using computer-based tools, students will acquire and enhance problem identification/definition, solution development, as well as communication and collaboration skills.

Prerequisite: Management Information Systems 220

*Credit: 3 Hours*

**MIS 340 Information Systems Security**

This course introduces students to aspects of establishing and maintaining a practical information-security program. The security aspects and implications of enterprise information systems, data warehouses, telecommunication systems, and software are examined. Techniques used to assess risks and discover abuses of systems are also reviewed.

Prerequisite: Management Information Systems 220.

**Credit: 3 credit Hours.**

**MIS 410 E-Business System Development**

Electronic business (e-business) involves the computerization of value chains and business processes. The course introduces key e-business-enabling information technologies, such as Web-based application development, Extensible Markup Language (XML), data warehouses, and wireless technologies. The course focuses on advanced database topics, including Web-based application development. The class also explores new technologies gaining wide attention in the industry, such as XML and wireless technologies. Various client and server side issues (optimizing communication needs, data validation, pitfalls, security, etc.) in building Web-based solutions will be covered.

Prerequisite: Management Information Systems 220 and Computer Science 230

**Credit: 3 credit Hours.**

**MIS 420 Data Warehousing and Data Mining**

Data Warehousing and Data Mining is a course introducing popular data mining methods for extracting intelligence from business data. The course introduces the data mining process and primary data mining techniques used to extract intelligence from data. Students will evaluate the strengths and weaknesses of data mining techniques applied to challenges in various business domains.

Prerequisite: Management Information Systems 220 and Computer Science 230

**Credit: 3 hours**

**MIS 430 Telecommunications and Convergence**

This course builds on work done in Computer Science 365. It provides an in-depth study of telecommunications and makes students aware of not only the ongoing process of convergence of telecommunication and information technologies, but of implications for future services as well as societal changes. You will explore telecom applications in a number of areas to gain a greater understanding of how telecommunications and information technology are shaping business decisions today. Use of the Internet, TCP/IP networks, WANs, wireless networks, satellites and other technologies will also be explored. It is expected that students will gain an understanding of technology, products, services, and systems and be able to determine the applicability of these technologies to business and industry.

Prerequisites: Management Information Systems 220 and Computer Science 365

**Credit: 3 credit Hours**

**MIS 490 MIS Consulting Capstone**

The course covers concepts and techniques for the full development process from planning, through preliminary investigation and analysis, design, and implementation. The course begins with high level concerns about organization issues, system development goals, and team management. Students gain an understanding of the complexity of systems development environments and learn when to apply specific management and development techniques. A system development project for a local organization is the focus of the semester.

Prerequisites: Management Information Systems 220; Communication 420 or Writing 305; and senior standing or permission of instructor.

**Credit: 3 credit Hours**

## Career Exploration and Planning

Director of the Career Center: Hilles Hughes (hilles.hughes@marietta.edu)

Associate Director of the Career Center: Bill Fournier, PhD (bill.fournier@marietta.edu)

Assistant/Recruiting Coordinator: Natalie Wood (natalie.wood@marietta.edu)

The Career Center prepares students for successful futures by providing:

- Career advising
- Access to experiential education
- State-of-the-art job search and graduate school resources and programs
- Necessary tools to transition from Marietta College to the World of Work.

As part of its programming, the Career Center offers several courses carrying academic credit.

### COLL 200 Career Exploration & Planning: Introduction to Self Assessment and the World of Work

This course, designed primarily for freshman and sophomores, as well as students who are undecided, will allow students to gain more self knowledge and career information so that appropriate, informed decisions can be made. A variety of assessment and exploration activities will be conducted culminating in a final career action plan.

**Credit: 1 Hour**

### COLL 400: Career Exploration & Planning: Activating Your Career Plan

This course, designed primarily for juniors and seniors, is for students who are embarking on internships and/or seeking their first job or entrance into graduate school. The course will focus on the employment and graduate school application process and involve practice with online resources and application tools such as resumes, cover letters, personal statements and interviews.

**Credit: 1 Hour**

# Chemistry

Department of Chemistry

Website: <http://admission.marietta.edu/cgi-bin/PPlus?VIEW=/public/academics/view.txt&currentdept=1041>

Chair: Kevin L. Pate (Kevin.Pate@marietta.edu)

Professor: Debra S. Egolf; assistant professors: James R. Jettler, Jordan Mathias

Department Technician: Rebecca D. Cutlip

Secretary: Judith L. Dunn

The Department of Chemistry describes a three-fold mission for its program: To graduate chemists and biochemists who are prepared for entrance into top-rated graduate and professional schools, and for entry-level positions in chemical industry and other chemistry-related fields, and who are capable of becoming responsible, successful professionals and leaders in their chosen fields. To contribute to the preparation of students in other science disciplines for their careers. To contribute to the improvement of scientific and technological literacy, and the development of critical-thinking and problem-solving skills of all students as they prepare for the world of work and responsible citizenship.

The Department of Chemistry is on the list of approved schools published by the American Chemical Society. All students interested in the certification program of the ACS should consult with the chair of the department for details.

**Requirements for a major in Biochemistry:** Biology 101, 105, 106, 131, and three other courses in Biology selected from 202, 309, 330 with 331, 340, and 430; Chemistry 131-134, 231, 303 - 306, 420, and 422; either (i) Biology 380, and 480 or 490, or (ii) Chemistry 495 and/or 496; Mathematics 125; Physics 211, 212 or Physics 221, 222. [Note: Students planning to attend graduate school in biochemistry are advised to take one semester of physical chemistry (Chemistry 331), an additional semester of calculus (Mathematics 224), and General Physics (Physics 221 and 222) instead of College Physics (Physics 211, 212).]

**General Biology** **8 Hours**  
 BIOL 101  BIOL 105  BIOL 106   
 BIOL 131

**Biology Electives: Any 3 of the following** **11 to 12 Hours**  
 BIOL 202  BIOL 309   
 BIOL 330, 331  BIOL 340  BIOL 430

**Chemistry:** **24 Hours**  
 CHEM 131,133  CHEM 132,134   
 CHEM 231  CHEM 303,305   
 CHEM 304,306  CHEM 420,422

**Calculus** **4 Hours**  
 MATH 125

**Physics** **8 Hours**  
 PHYS 211  OR PHYS 221   
 PHYS 212  OR PHYS 222

**Senior Capstone** **3-4 Hours**  
 BIOL 380  AND EITHER BIOL 480 OR 490   
 OR  
 CHEM 495 AND/OR 496

**Total** **58 to 60 Hours**

**Requirements for a major in Chemistry:** 41 hours in Chemistry, including required courses in general (Chemistry 131, 132, 133, and 134), analytical (Chemistry 231 and 408), organic (Chemistry 303, 304, 305, and 306), inorganic (Chemistry 351), and physical chemistry (Chemistry 331 and 332), 3 hours of Chemistry 495 and/or 496, and 3 hours of electives excluding Chemistry 101 and Chemistry 377. Mathematics 125 and 224, and Physics 221 and 222.

**Chemistry Courses:** **35 Hours**  
 CHEM 131, 133  CHEM 132, 134   
 CHEM 231  CHEM 303, 305   
 CHEM 304, 306  CHEM 331   
 CHEM 332  CHEM 351   
 CHEM 408

**Chemistry Elective: One of the following** **3 Hours**  
 CHEM 343  CHEM 352  CHEM 375   
 CHEM 420

**Mathematics** **8 Hours**  
 MATH 125  MATH 224

**Physics** **8 Hours**  
 PHYS 221  PHYS 222

**Senior Capstone: One or both of the following** **3 Hours**  
 CHEM 495  CHEM 496

**Total** **57 Hours**

**Requirements for a minor in Chemistry:** Chemistry 131-134; 260 or 303, 305; plus 10-12 hours from 200 or higher courses, including a minimum of one laboratory .

## Chemistry Courses

**CHEM 101 Modern Chemistry** **B**  
 Introduction to elements, compounds, atomic structure, chemical bonding, chemical reactions, organic chemistry and polymers, and modern chemical industry. Biological and geological applications emphasized. Examination of air and water quality, energy resources, and other current topics of concern. (For non-science majors, except Environmental Studies majors) Three lectures and 3-hour laboratory period per week. Additional \$15 lab fee required.  
**Credit: 4 Hours**

**CHEM 131 General Chemistry I** **B**  
 Basic principles of chemistry. Includes atomic structure, chemical bonding, stoichiometry, states of matter, and solutions. Atomic and bonding theories, and fundamental laws of chemistry explored from a historical perspective. Problem solving emphasized.  
 Prerequisite: A satisfactory score on the mathematics placement test or Mathematics 080.  
 Co-requisite: Concurrent enrollment in Chemistry 133.  
**Credit: 3 Hours**

**CHEM 132 General Chemistry II** **B**  
 Emphasizes chemical kinetics, equilibrium, electrochemistry, thermodynamics, nuclear chemistry, environmental chemistry and descriptive chemistry.  
 Prerequisite: Chemistry 131.  
 Co-requisite: Concurrent enrollment in Chemistry 134.  
**Credit: 3 Hours**

**CHEM 133 General Chemistry Laboratory I****B**

Laboratory program emphasizing techniques and basic principles of topics covered in Chemistry 131. Additional \$15 lab fee required.

Co-requisite: Concurrent enrollment in Chemistry 131.

**Credit: 1 Hour****CHEM 134 General Chemistry Laboratory II****B**

Emphasizes identification of ions and topics covered in Chemistry 132. Additional \$15 lab fee required.

Prerequisite: Chemistry 133.

Co-requisite: Concurrent enrollment in Chemistry 132.

**Credit: 1 Hour****CHEM 231 Quantitative Analysis**

Principles of analytical chemistry. Includes theory, calculations, use of computer, and laboratory techniques. Emphasizes statistical treatment of data, gravimetric, and titrimetric methods, complexation equilibria, and electrochemistry. Laboratory work in precise and accurate determination of unknown materials employing wet-chemical and instrumental methods. Three lectures and one 3-hour laboratory period per week. Additional \$15 lab fee required.

Prerequisites: Chemistry 132 and 134.

**Credit: 4 Hours.****CHEM 260 Organic & Biological Chemistry**

Study of the fundamentals of organic and biological chemistry. Emphasis on structure, bonding, and uses (both man-made and natural) of organic molecules. Additional emphasis placed on biologically-relevant organic molecules and processes, including proteins, lipids, carbohydrates, metabolism, etc. Laboratory experiments focus on synthesis, purification, characterization, and analysis of organic and biological molecules. Three lectures and one 3-hour laboratory period per week. Students who have successfully completed Chemistry 303 can not enroll in this course. Additional \$15 lab fee required.

Prerequisites: Chemistry 132 and 134

**Credit: 4 Hours****CHEM 303 Organic Chemistry I**

Principles of organic chemistry. Emphasis on structure and bonding of organic molecules, functional group transformations, reaction mechanisms, and an introduction to spectroscopic methods.

Prerequisites: Chemistry 132 and 134.

Co-requisite: Concurrent enrollment in Chemistry 305.

**Credit: 3 Hours****CHEM 304 Organic Chemistry II**

Functional group chemistry, strategy of organic synthesis, polymers, chemistry of naturally occurring compounds, including peptides and carbohydrates, applications of organic chemistry to the fields of biology, biochemistry, and medicine.

Prerequisite: Completion of Chemistry 303 with a grade of C- or better.

Co-requisite: Concurrent enrollment in Chemistry 306.

**Credit: 3 Hours****CHEM 305 Organic Chemistry Laboratory I**

Basic laboratory techniques of organic chemistry. Preparation and characterization of representative compounds. Use of gas chromatography, infrared spectroscopy and other instrumental methods. (Accompanies Chemistry 303.) One 3-hour laboratory period per week. Additional \$15 lab fee required.

Co-requisite: Concurrent enrollment in Chemistry 303.

**Credit: 1 Hour****CHEM 306 Organic Chemistry Laboratory II**

Synthetic experiments designed to broaden knowledge of organic reactions and their mechanisms. Qualitative analysis of unknown organic compounds. One 3-hour laboratory period per week. Additional \$15 lab fee required.

Prerequisite: Chemistry 305.

Co-requisite: Concurrent enrollment in Chemistry 304.

**Credit: 1 Hour****CHEM 331 Physical Chemistry I****W**

Principles of chemical thermodynamics. Emphasizes the laws of thermodynamics and chemical equilibrium. Thermodynamic properties are experimentally measured in the laboratory or theoretically determined using computer methods. Procedures of proper laboratory report writing practiced. Three lectures and one 3-hour laboratory period per week. Additional \$15 lab fee required. This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisites: Chemistry 132 and 134, Mathematics 224, and Physics 221 and 222. Recommended prerequisite: Chemistry 231.

**Credit: 4 Hours****CHEM 332 Physical Chemistry II**

Kinetics, quantum mechanics, spectroscopy, and statistical mechanics. Properties of chemical systems are investigated both theoretically and experimentally. Substantial laboratory report writing. Three lectures and one 3-hour laboratory period per week. Additional \$15 lab fee required.

Prerequisite: Chemistry 331.

**Credit: 4 Hours.****CHEM 343 Advanced Organic Chemistry**

In-depth treatment of fundamental principles of organic chemistry. Includes bonding theory, stereochemistry, conformational analysis, and reaction mechanisms. Incorporates use of computer-assisted molecular modeling to enhance understanding of concepts. Offered alternate years.

Prerequisite: Chemistry 304.

**Credit: 3 Hours****CHEM 351 Inorganic Chemistry**

Fundamental concepts of inorganic chemistry. Includes theories of atomic structure, ionic compounds, covalent bonding, and acids and bases. Descriptive chemistry of nontransitional elements emphasized. Minerals used in the description of ionic compounds and as resources for the elements.

Prerequisites: Chemistry 132 and 134.

**Credit: 3 Hours****CHEM 352 Advanced Inorganic Chemistry**

Transition metal complexes and organometallic compounds. Emphasizes nomenclature, isomerism, modern theories of bonding,

thermodynamic and kinetic stability. Preparative methods included in laboratory work. Two lectures and one 3-hour laboratory period per week. Additional \$15 lab fee required.

Prerequisites: Chemistry 351, or written permission of instructor.

**Credit: 3 Hours**

### CHEM 375 Molecular Spectroscopy

Theory and application of spectroscopy for the determination of molecular structure. Emphasis on infrared, ultraviolet/visible, one- and two-dimensional nuclear magnetic resonance spectroscopy, and mass spectrometry. Includes demonstrations of spectroscopic techniques and use of molecular modeling software to simulate spectra. Offered alternate years.

Prerequisites: Chemistry 304 and 306.

**Credit: 3 Hours**

### CHEM 377 Environmental Chemistry

Study of the resources, reactions, transport, effects, and fates of chemicals in water, soil, and air. Also emphasis on toxicology and hazardous waste treatment and disposal. Laboratory exercises include sampling methods and detection and analysis of chemical pollutants using both wet chemical and instrumental methods. Field trips to local industry.

Prerequisites: Chemistry 131-134, Geology 101, and Biology 102, or permission of the instructor; Recommended prerequisite: Computer Science 210.

**Credit: 4 Hours.**

### CHEM 408 Instrumental Methods of Chemical Analysis

Theory and application of modern instrumentation in fields of electrochemistry, spectroscopy, and chromatography. Three lectures and one 3-hour laboratory period per week. Additional \$15 lab fee required.

Prerequisites: Chemistry 231, or written permission of instructor.

**Credit: 4 Hours.**

### CHEM 420 Biochemistry

Emphasizes structure and function of proteins, lipids and nucleic acids, enzymology, intermediary metabolism and its control mechanisms, and energy transformations.

Prerequisite: Chemistry 304. Recommended prerequisites: Biology 101 and 131.

**Credit: 3 Hours**

### CHEM 422 Biochemistry Laboratory

Experiments include characterization and analysis of proteins and nucleic acids, chromatography, electrophoresis, enzyme kinetics, and metabolic studies. Additional \$15 lab fee required.

Prerequisite: Chemistry 420 or concurrent enrollment.

**Credit: 1 Hour**

### CHEM 495 Directed Research

### CHEM 496 Independent Study

## Communication and Media Studies

Department of Communication and Media Studies

Website: <http://www.marietta.edu/~comm/>

Chair: Dr. Suzanne H. Walker ([suzanne.walker@marietta.edu](mailto:suzanne.walker@marietta.edu))

Professors: Mabry M. O'Donnell; associate professors: Liane Gray-Stamer; Ali Ziyati; assistant professors: Dawn Carusi, Jane Dailey, Marilee Morrow, Joan Price, Alane Sanders, Lori Smith; Instructor: David St. Peter, Tomeka Robinson  
Secretaries: Barbara S. Hickman, Joyce Pennington

The Communication and Media Studies Department is committed to promoting knowledge, criticism and practical application of human and media communication. The department strives to educate students to be critical observers of social problems, to become professional practitioners in the media professions, to participate effectively in public life as citizens, and to become involved in culturally diverse personal and professional relationships in their communities. The department strives to improve students' communication skills and their critical and analytic abilities concerning both the process and consequences of human and media communication. We provide a stimulating and professionally-oriented learning environment based upon collaborative learning and practical application. and requiring high standards of scholarship at both the undergraduate and graduate levels. Students are provided with opportunities to excel in various areas of communication and media, including radio, television, print media, online media, advertising, public relations, and organizational communication.

The department offers five undergraduate majors:

- Advertising/Public Relations
- Journalism
- Broadcasting
- Organizational Communication/Public Relations
- Communication Studies

The department offers four undergraduate minors:

- Applied Communication
- Journalism
- Communication Studies
- Organizational Communication/Public Relations

### Requirements for a major in Advertising/Public Relations:

Communication (COMM) 110, 314, 330; Management (MNGT) 225; Mass Media (MASS) 101, 207, 225, 230, 310, 320, 380, 397/497, 410, 430 and either 370 or 375, and either 420 or LEAD 305; plus a 9-hour structured cognate (set of related courses) in an area outside the department. This cognate must be approved by both the adviser and the department chair no later than the first semester of the Junior year. UNDER NO CIRCUMSTANCES CAN ALL THREE COGNATE COURSES BE INTRODUCTORY LEVEL COURSES.

<b>Communication</b>		<b>9 Hours</b>
COMM 110 <input type="checkbox"/>	COMM 314 <input type="checkbox"/>	COMM 330 <input type="checkbox"/>

<b>Management</b>		<b>3 Hours</b>
MNGT 225 <input type="checkbox"/>		

<b>Mass Media</b>		<b>33 Hours</b>
MASS101 <input type="checkbox"/>	MASS 207 <input type="checkbox"/>	MASS 225 <input type="checkbox"/>
MASS 230 <input type="checkbox"/>	MASS 310 <input type="checkbox"/>	MASS 320 <input type="checkbox"/>

## Chinese

(See Modern Languages)

MASS 380       MASS 397/497       MASS 410   
 MASS 430       MASS 370 OR MASS 375

**Mass Media/Leadership** **3 Hours**  
 MASS 420 OR LEAD 305

**Cognate** **9 Hours**

**Total** **57 Hours**

**Requirements for a major in Broadcasting:** Communication (COMM) 110, 201, 217; Political Science (POLS) 313; Mass Media (MASS) 101, 121, 122, 207, 216, 280, 307, 311, 321, 371, 397/497, 420, 430; plus a 9-hour structured cognate (set of related courses) in an area outside the department. This cognate must be approved by both the adviser and the department chair no later than the first semester of the Junior year. UNDER NO CIRCUMSTANCES CAN ALL THREE COGNATE COURSES BE INTRODUCTORY LEVEL COURSES. (Examples of cognate areas: Environmental Studies, Political Science, Psychology, Gender Studies, Geology, History, Theatre, Art History.)

**Communication** **9 Hours**  
 COMM 110       COMM 201       COMM 217

**Political science** **3 Hours**  
 POLS 313

**Mass Media** **39 Hours**  
 MASS 101       MASS 121       MASS 122   
 MASS 207       MASS 216       MASS 280   
 MASS 307       MASS 311       MASS 321   
 MASS 371       MASS 397/497       MASS 420   
 MASS 430

**Cognate** **9 Hours**

**Total** **60 Hours**

**Requirements for a major in Communication Studies:** Communication (COMM) 110, 205, 220, 230, 301, 315, 333, 385, 481; 201 or 217; 314 or 340; 319 or 330 or 380; Mass Media (MASS) 101.

**Communication** **36 Hours**  
 COMM 110       COMM 205       COMM 220   
 COMM 230       COMM 301       COMM 315   
 COMM 333       COMM 385       COMM 481   
 COMM 201 OR COMM 217   
 COMM 314 OR COMM 340   
 COMM 319 OR 330 OR 380

**Mass Media** **3 Hours**  
 MASS 101

**Total** **39 Hours**

**Requirements for a major in Journalism:** Communication (COMM) 110, 250, 314; Mass Media (MASS) 101, 150, 207, 307, 308, 311, 370, 375, 397/497, 420, 430. Philosophy (PHIL) 201; Political Science (POLS) 313; plus a 9-hour structured cognate (set of related courses) in an area outside the department. This cognate must be approved by both the adviser and the department chair no later than the first semester of the Junior year. UNDER NO CIRCUMSTANCES CAN ALL THREE COGNATE COURSES BE INTRODUCTORY LEVEL COURSES. (Examples of cognate areas: Environmental Studies, Political Science, Psychology, Gender Studies, Geology, History, Theatre, Art History.)

**Communication** **7 Hours**  
 COMM 110       COMM 250 (1 HOUR)   
 COMM 314

**Mass Media** **33 Hours**  
 MASS 101       MASS 150       MASS 207   
 MASS 307       MASS 308       MASS 311   
 MASS 370       MASS 375   
 MASS 397/497       MASS 420       MASS 430

**Philosophy** **3 Hours**  
 PHIL 201

**Political Science** **3 Hours**  
 POLS 313

**Cognate** **9 Hours**  
**Total** **55 Hours**

**Requirements for a major in Organizational Communication/Public Relations:** Communication (COMM) 110, 210, 211, 230, 250, 301, 311, 314, 333, 397/497, 420, 430; Mass Media (MASS) 101, 207, 230, 310, 360; Mass Media 420 or Leadership (LEAD) 305; management (MNGT) 225 or COMM 385.

**Communication** **36 Hours**  
 COMM 110       COMM 210 (2 HOURS)   
 COMM 211       COMM 230   
 COMM 250 (1 HOUR)       COMM 301   
 COMM 311       COMM 314       COMM 333   
 COMM 397/497       COMM 420       COMM 430   
 COMM 385 OR MNGT 225

**Mass Media** **18 Hours**  
 MASS 101       MASS 207       MASS 230   
 MASS 310       MASS 360   
 MASS 420 OR LEAD 305

**Total** **54 Hours**

**Recommended Course:**  
 COMM 205

**Requirements for a minor in Advertising and Public Relations:** Mass Media 101, 207, 225, 230, 420; nine hours selected from COMM 314, COMM 330, MASS 310, 320, 360, 370, 380, 410.

**Requirements for a minor in Applied Communication:** Communication (COMM) 110, 205, 210, 250, 420; COMM 201 or THEA 106; COMM 217 or MASS 280.

**Requirements for a minor in Communication Studies:** Communication (COMM) 110, 220, 230, 301, 314 or 340 or 330; 333 or 380 or 385; Mass Media (MASS) 101.

**Requirements for a minor in Journalism:** Communication (COMM) 110, 250; Mass Media (MASS) 101, 207, 307, 308, 370, 430.

**Requirements for a minor in Organizational Communication/Public Relations:** Communication (COMM) 110; COMM 211 or MNGT 301; Mass Media (MASS) 101, 230; plus 9 hours selected from the following: COMM 230, 301, 311, 314, 330, 340, 420, MASS 310; MASS 420 or LEAD 305.

## Communication Courses

### COMM 101 Fundamentals of Oral Communication

Principles of informing and persuading the listener through logical organization, use of evidence and motive appeals, effective verbal and nonverbal communication. Required of all students; course must be taken until completed with a grade of C- or better. (Students in the College Honors Program enroll in Honors 202.) Once a student

is enrolled in COMM 101, s/he may not withdraw from the course. See "Special Rules for First-Year Courses" in the GRADUATION REQUIREMENT Section.

**Credit: 3 Hours**

Communication 101 is a prerequisite for all other Communication courses except Communication 110 and 201.

**COMM 110 Interpersonal Communication** X,Y

This course centers on the major concepts regarding the dynamics of interpersonal, relational communication. Throughout the semester, we will investigate verbal and non-verbal communication, identity and perception, relational development, maintenance, and change. Students will explore interpersonal communication in family, friendships, workplace, and cultural contexts. Through the course, the students will gain an understanding of the important principles in interpersonal communication, their own interpersonal competence, and how communication functions in the creation of self, other, and society.

**Credit: 3 Hours**

**COMM 125, 225 Practicum in Forensics**

Credit for effective participation in individual speech events and/or debate. Experience may be accumulated for credit over several semesters. Registration may be before or after semester activities have been completed. Course will be graded satisfactory/unsatisfactory.

**Credit: 1 Hour; may be repeated, but no more than 4 Hours count toward graduation.**

**COMM 201 Fundamentals of Interpretation** R

Introductory course defines the nature of oral interpretation as a field distinct from public speaking and acting and provides students with experiences in the oral interpretation of a wide variety of literary forms, including nonfiction, prose fiction, poetry, and drama. Students analyze literature and develop vocal and physical techniques for communicating the literature orally.

Prerequisites: Sophomore standing or written permission of the instructor

**Credit: 3 Hours**

**COMM 205 Advanced Oral Communication** W

An advanced course in public speaking skills, with emphasis on content, organization, delivery and style. Includes extensive practice in a variety of speech settings and purposes.

This course has been identified as a Writing Proficiency course and therefore requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**COMM 210 Leading and Communicating in Meetings**

This is a course designed to teach students how to lead more effective meetings through a basic overview of Parliamentary Procedure in the form of Robert's Rules of Order and applied communication skills appropriate for the meeting context. This course is designed to teach rules of order and communication skills necessary for conducting successful business meetings.

**Credit: 2 Hours**

**COMM 211 Organizational Communication** W,Y

Explores the role of communication in the development and maintenance of organizations, including the examination of classical, human relations, critical, systems, and cultural theories of organization.

Communication processes such as socialization, stress management, social support, group dynamics, organizational networks, external communication strategies, diversity, and organizational change, allow students to examine specific communication issues relevant in today's organizational environments.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**COMM 217 Voice and Articulation**

Improvement of vocal quality and diction. Basic physiology of speaking mechanism and phonetic principles. International Phonetic Alphabet used.

**Credit: 3 Hours**

**COMM 220 Communication Ethics** K

This course takes as its foundation the belief that civil discourse has all but disappeared in society, in large part because communicators have no concept of ethics in communication. This course seeks to address this problem by providing a framework for understanding the ethics of communication from a number of perspectives. By the conclusion of the course students will learn and be able to utilize ethical principles in their own communication, making them stronger, more empathic leaders. Also, students will learn to use ethical communication principles to analyze and critique mediated communication in areas such as politics, marketing, and religious communication. This will prepare students to become critical consumers of the countless messages and claims they face each day.

**Credit: 3 Hours**

**COMM 230 Human Communication Theory** W,Y

Surveys the history of speech communication as an academic discipline. Consideration of central communication issues, such as language, meaning, information, interaction, and influence. Application of theories to analyze communication interactions and to enhance perception skills.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**COMM 250 Interviewing Principles and Practices**

Introduction to the theory and practice of selected types of interviews: employment, informational and persuasive. Emphasis on communication between two persons and on questioning techniques. Experience will be obtained in both interviewer and interviewee roles.

**Credit: 1 Hour**

**COMM 301 Group Discussion and Leadership** K,Y

Theory and practice of purposeful leadership and member participation in task groups. It includes an examination of interpersonal skills, decision-making techniques, conflict management, leadership, ethical theories, and problem solving procedures. Logical and psychological aspects of group process will be examined from the perspective of communication. Students have the opportunity to implement course concepts through a series of group decision tasks throughout the semester. They also gain experience in group leadership and self-analysis.

**Credit: 3 Hours**

**COMM 311 Organizational Development**

K

This course addresses change within organizations to help the student understand and develop the skills necessary to effectively respond to changing values, visions and structures to help organizations develop and manage change more effectively.

Prerequisite: COMM 211 or permission of instructor.

**Credit: 3 Hours****COMM 314 Persuasion**

W,Y

Survey of modern theories of attitude change in all media, emphasizing quantitative research. Applications of persuasion theory to advertising, language usage, and modern propaganda.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****COMM 315 Advanced Readings in Interpersonal Communication**

Through readings ranging from foundational to contemporary works in interpersonal communication, students will explore the theoretical origins and current applications of interpersonal scholarship. Topics of study may include health, family, work and family, and "dark side" communication.

Prerequisites: COMM 110, COMM 230, or written permission of instructor.

**Credit: 3 Hours****COMM 319 Notable American Women**

K,P

Using a biographical approach, this course will study the communication skills and leadership qualities of outstanding American women from the nation's founding to the present.

(Also listed as History 319)

Prerequisite: Junior or senior standing

**Credit: 3 Hours****COMM 330 Crisis Communication**

Explores the process of crisis communication and an understanding of crisis communication practices. It focuses on issues concerning how organizations, companies, and individuals communicate with the news media, employees, and consumers in times of crisis. The planning, development and execution of crisis communications plans for businesses and organizations, and public relations techniques for communicating with stakeholders during a crisis will be emphasized.

Prerequisite: Junior or Senior standing.

**Credit: 3 Hours****COMM 333 Research Methods**

Introduction to research skills and writing style used in the communication discipline. refinement of skills related to the qualitative and quantitative collection, analysis, and reporting of communication phenomena. Includes a requirement to design and propose an original research study to be completed during the capstone.

Prerequisite: COMM 230

**Credit: 3 Hours****COMM 340 Rhetorical Theory and Criticism**

Y,W

This course will explore various approaches to rhetorical theory and criticism through close reading and response to theoretical and applied writing about a broad range of rhetorical phenomena. Students will prepare criticism of communication events and artifacts ranging from popular culture artifacts such as television and films to political speeches.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisite: COMM 230.

**Credit: 3 Hours****COMM 380 Topics in Communication**

An in-depth examination of a special topic related to current disciplinary concerns in communication. Topics will vary with each offering.

**Credit: 3 Hours****COMM 385 Intercultural Communication**

M,W,X

Through guest speakers, readings, discussion, and videos, the students will have an opportunity to develop an understanding of how individuals perceive and react to cultural rules, to analyze the role of language and language usage in intercultural communication to learn how to be more effective listeners in an intercultural situation, to understand the role of nonverbal communication in intercultural communication, and to develop an appreciation of our cultural histories.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****COMM 420 Business Communication Seminar**

W

Survey of current communication practices and materials in business, including written, oral, and nonverbal forms.

Prerequisite: Junior or Senior standing.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****COMM 430 Training and Development**

W

Provides upper-level undergraduates, interested in applied communication, with the opportunity to explore communication training and development with a research and teaching focus. Students will learn how to conduct a needs assessment, analyze data in order to identify issues within organizations,

determine if training is the correct response and how to develop and deliver a training session.

Prerequisite: Communication 311 and Junior or Senior standing. This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****COMM 481 Communication Studies Capstone**

Completion of original research project proposed in COMM 333. Project to be directed by a faculty mentor in the Communication and Media Studies Department. A learning contract between the faculty mentor and the student will detail timeline and specific expectations. Emphasis is placed on the interpretation and communication of results in the form of a written research report.

Prerequisites: COMM 230 and COMM 333.

**Credit: 3 Hours****COMM 397/497 Internship**

Offers the opportunity for professional experience with an organization. Students maintain a daily log/journal and make a formal presentation about their experience. Grades are based upon the log, the evaluation of the supervisor(s), and the formal presentation.

Prerequisites: Junior or senior standing and approval of the department.

**Credit: 3 Hours**

## Mass Media Courses

### MASS 101 Media and Society

Effects of both mass media and social media on the social and political behavior of the American people. Course includes an overview of the various mass and social media areas as well as the historical development of various media.

*Credit: 3 Hours*

### MASS 121 Audio Production I

This laboratory course teaches the principles of basic production techniques used in commercial and public radio stations. Requirements for this course include performing live on-air announcing shifts on WMRT-FM. Students are also suggested to perform live on-air announcing shifts on WCMO-FM.

*Credit: 3 Hours*

### MASS 122 Video Production I

This laboratory course teaches the principles of basic production techniques used in commercial and public television stations. requirements for this course include performing as below-the-line production crew members and possibly as on-camera talent for WCMO-TV productions.

Prerequisite: MASS 101

*Credit: 3 Hours*

### MASS 150 Photojournalism

Basic skill in methods of photography for print and online media, public relations, advertising, and television. Fundamentals of digital camera and photographic software. Study of aesthetics, composition, symbolism, and photo editing.

Prerequisite: MASS 101

*Credit: 3 Hours*

### MASS 207 Media Writing I

Intensive instruction and practice in writing and reporting for the media. Emphasis will be upon gathering of information via research and interviewing, and on writing basic news stories for print and broadcast media.

Prerequisite: MASS 101, WRIT 101

*Credit: 3 Hours*

### MASS 216 Audio Production II

This laboratory course will build upon the principles of basic radio production techniques learned in MASS 121. Includes creative operation of audio production equipment; problems in production of information, entertainment, commercial, and documentary programs; and some study of basic radio programming methods. Extensive laboratory work. Requirements may include performing live on-air announcing shifts on WMRT-FM.

Prerequisite: MASS 121

*Credit: 3 Hours*

### MASS 225 Introduction to Advertising

Planning, creating, placing and measuring the impact of advertising, emphasizing its relationship to mass media. Special attention to the need for advertising to respond to specific client goals, needs, and operations.

Prerequisite: MASS 101, Sophomore standing or above.

*Credit: 3 Hours*

### MASS 230 Introduction to Public Relations

Role of public relations as a communication device within organizations. Includes opinion theory, identification of audiences, planning and execution of programs, and measurement of effects. Covers the legal and ethical considerations which touch upon public relations activities.

Prerequisite: MASS 101, Sophomore standing or above.

*Credit: 3 Hours*

### MASS 280 Media Announcing and Performance

This course teaches the study and application of announcing and performance styles currently in use in media. Provides understanding of the functions and challenges facing the media announcer and performer. Requirements may include live on-air announcing shifts.

*Credit: 3 Hours*

### MASS 301 Topics in Media

An in-depth examination of a special topic related to current disciplinary concerns in media. Topics will vary with each offering.

*Credit: 3 Hours*

### MASS 307 Media Writing II

Instruction and practice in writing and reporting a variety of news stories of growing complexity for print and broadcast news. Assignments will be on campus and in the community. Lab work on campus media required.

Prerequisite: MASS 207

*Credit: 3 Hours*

### MASS 308 Article Writing

W

Theory and practice in writing narrative feature articles of growing complexity for print and online media. Students will be introduced to long-form narrative writing, in-depth interview techniques and methods of successfully marketing free-lance work.

Prerequisite: Mass Media 207 or permission of department chair.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours*

### MASS 310 Writing for Public Relations

W

This is an advanced public relations course concentrating on sophisticated public relations techniques. It has a heavy emphasis on problem solving and writing and producing work products to solve those difficulties. Real life public relations challenges will be used in the course.

Prerequisite: MASS 207, MASS 230

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours*

### MASS 311 Broadcast Journalism

Theory and practice of journalism for electronic media. Practical aspects of researching, writing, producing, and reporting news for radio and television. Work on college broadcast news teams may be required.

Prerequisite: Mass Media 207.

*Credit: 3 Hours*

**MASS 320 Integrated Marketing Communication** W

Theory and practice of the process of communicating marketing messages to promote products, services, and ideas. The course introduces students to the marketing communication tools, techniques and media that practitioners use to promote and to brand their products. Special emphasis is given to integrated marketing communication, a strategy of coordinating and combining messages for maximum impact.

Prerequisite: MASS 225, MASS 230, or permission of department chair

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**MASS 321 Video Production II**

Analysis of television programming, including production and directing. Offers practical experience on all studio and basic field production equipment. Work as crew members on WCMO-TV productions required. Laboratory experimentation.

Prerequisite: MASS 122.

**Credit: 3 Hours**

**MASS 330 Sports Broadcasting**

This course teaches the historical development of sports programming on radio and television, up to and including recent technological developments that have led to a myriad of programming and employment opportunities. Requirements for this course may include live on-air announcing and play-by-play on WMRT-FM and WCMO-FM, and on-camera talent work on WCMO-TV.

Prerequisites: MASS 121, MASS 122

**Credit: 3 Hours**

**MASS 350, 351, 450, 451 Video Practicum**

Individualized course in which student does assigned work at WCMO-TV to enhance skills in one of the following areas: production, direction, or management.

Prerequisite: Written permission of instructor.

**Credit: 1-3 Hours. May be repeated, but no more than a total of 8 hours of Mass Media practica count towards graduation.**

**MASS 352, 353, 452, 453 Advertising/Public Relations Practicum**

Individualized course in which student does assigned work in advertising/public relations for a college or outside nonprofit client.

Prerequisite: Written permission of instructor.

**Credit: 1-3 Hours. May be repeated, but no more than a total of 8 hours of Mass Media practica count towards graduation.**

**MASS 354, 355, 454, 455 Audio Practicum**

Individualized course in which student does assigned work at WMRT-FM to enhance skills in one of the following areas: production, programming, or management.

Prerequisite: Written permission of instructor.

**Credit: 1-3 Hours. May be repeated, but no more than a total of 8 hours of Mass Media practica count towards graduation.**

**MASS 358, 359, 458, 459 Journalism Practicum**

Individualized course in which student does assigned work at the Marcolian or Mariettana to enhance skills in one of the following areas: editing, layout and design, or reporting.

Prerequisite: Written permission of instructor.

**Credit: 1-3 Hours. May be repeated, but no more than a total of 8 hours of Mass Media practica count towards graduation.**

**MASS 360 Media Editing and Design**

Instruction and practice in editing and design of print publications. Topics will include style, copy editing, editorial management principles, headline writing, photo editing, publication design, and discussions of the legal and ethical limits on the press, as well as how newsroom decisions are made.

Prerequisite: Mass Media 207.

**Credit: 3 Hours**

**MASS 370 Desktop Publishing**

Design and layout of type, photos and graphic materials for newspapers, magazines, journals, brochures, advertisements, and other print-oriented publications. Emphasizes software used to create print publications.

Prerequisites: MASS 207, Junior or Senior standing

**Credit: 3 Hours**

**MASS 371 Corporate Video**

Intensive instruction and practice in video production for corporate environments. Students will work with outside clients in conceiving, writing, producing and post-producing a variety of projects. Additionally, students will analyze television programming and direct live programming. This course also offers practical experience on all studio and basic field production equipment. Work as crew members on WCMO-TV productions is required. Laboratory experimentation is also part of this course.

Prerequisite: MASS 321

**Credit: 3 Hours**

**MASS 375 Website Design**

This course will teach students to understand, design, write and produce a fully functional web site. Students will integrate photography, writing, editing and publishing skills, as well as the web design knowledge they will gain from this class.

Prerequisites: MASS 150, MASS 207, or written permission of instructor.

**Credit: 3 Hours**

**MASS 380 Advertising Copy and Layout**

This course covers the copy and layout process for advertisements in newspapers, consumer magazines, direct response, outdoor, television, radio and interactive media. Creative philosophies will be discussed. Research, writing, and design skills will be used to create ads.

Prerequisite: Mass Media 225

**Credit: 3 Hours**

**MASS 385 Chinese Visual Culture and Visual Expressions Through Advertising** M

This interdisciplinary course is a study of visual culture in China since the early 20th century through selected texts and illustrations. Visual culture in this course is broadly defined, with a focus on texts and visual art in mass culture, such as advertisements, popular prints, posters, and video clips. This course is to use texts as well as advertising and other elements of visual art in mass culture as means of communicating socio-cultural information that students will use to learn

about culture, economy, and society in modern China. The study of culture is both visual and textual. Cross-listed as CHIN 371.

Prerequisites: Sophomore standing

*Credit: 3 Hours*

#### MASS 410 Advertising Campaigns

This course provides the experience of developing advertising campaigns, from creative to presentation, in a setting that mirrors the actual business environment. Students will develop a complete plan for each campaign that includes the following components: executive summary, situation analysis, objectives, strategies, budget, media recommendations, creative recommendations, sales promotion, public relations/publicity, and an evaluation.

Prerequisites: MASS 230, MASS 380, or permission of instructor

*Credit: 3 Hours*

#### MASS 420 Media Ethics

The study of moral and professional conduct within various communications contexts. This course will look at cases involved with advertising, broadcast journalism, film, photojournalism, print journalism, public relations, television, and the World Wide Web. The goal is to provide students with the ability to recognize and confront potential ethical issues they might find within their careers.

Prerequisite: Junior or Senior standing

*Credit: 3 Hours*

#### MASS 430 Capstone in Mass Media

Provides reflection, integration and synthesis within the mass media areas. This course will specifically examine media technology, the vast areas of "new media" that are fast becoming "mass media," contemporary mass media issues and trends, media convergence and the impact of convergence on the current skills and thinking about mass media.

Prerequisite: Second Semester Junior, or Senior standing; major in one of the Mass Media areas.

*Credit: 3 hours*

#### MASS 397/497 Internship

Offers the opportunity for professional experience with an organization. Students maintain a daily log/journal and make a formal presentation about their experience. Grades are based upon the log, the evaluation of the supervisor(s), and the formal presentation.

*Credit: 3 Hours*

## Computer Information Systems

(See Computer Science for major and minor)

Website: <http://www.marietta.edu/~mcsi/cis>

## Computer Science

Department of Mathematics and Computer Science

Website: <http://www.marietta.edu/~mcsi/csci>

Chair: Dr. Mark A. Miller ([mark.miller@marietta.edu](mailto:mark.miller@marietta.edu))

Associate professor: Robert M. VanCamp; Assistant professor: Scott W. Lewandowski

Secretary: Jacquelyn B. Lane

Each student majoring in Computer Science (CS) or Computer Information Systems (CIS) is expected to meet the objectives identified for the major.

### Objectives for both CS and CIS majors:

- Given the specifications for a software application, design the appropriate internal and external data structures, then design, implement, and test the algorithms which represent and transform the data structures necessary to solve the problem.
- Work independently or within a group programming environment to utilize the object oriented paradigm and sound software engineering principles, such as using cohesive, independently compiled modules with appropriate abstract data types and user interfaces, in the program development cycle.
- Communicate technical information clearly and concisely in oral and written forms.
- Understand client/server and enterprise computing strategies and their important relationships to database design, application programming, data communications, and networking (workstations, LANs, WANs, World-Wide-Web).
- Use analytical and technical skills for identifying, studying, and solving complex system problems.
- Implement algorithms using a variety of software development tools based on a solid understanding of the architecture of the tools.

### Additional Objectives for CS Majors:

- Design and implement major components of computer systems, such as hardware architectures, language translators, multi-tasking kernels and graphical user interfaces.
- Utilize appropriate formal methods to model and analyze algorithms, programming languages, tasks, digital circuits, bus architectures and other aspects of computer systems.
- Apply the various stages of the system development life cycle to the creation of medium and large-scale system-level software.

**Additional Objectives for CIS Majors:**

- Understand the technical and human aspects of change.
- Understand the goals, functions, and operations of typical business organizations.
- Successfully work with users of information systems in the development of specifications for solutions to information management problems.
- Function successfully in all stages of the system development life cycle.

**Requirements for a major in Computer Science:** Computer Science 115, 116, 215, 216, 230, 310, 342, 365, 371, 380, 420, and two additional Computer Science courses numbered 300 or above; Mathematics 125, 224, and one additional Mathematics course numbered 200 or above that has Mathematics 224 as a prerequisite; and Physics 211 and 212, or 221 and 222, and 241.

**Computer Science 30 Hours**  
 CSCI 115  CSCI 116  CSCI 215   
 CSCI 216  CSCI 230  CSCI 310   
 CSCI 342  CSCI 365  CSCI 371   
 CSCI 380

**Computer Science Elective 6 Hours**  
 ANY TWO 300 OR GREATER LEVEL  
 COMPUTER SCIENCE COURSE    
 MATHEMATICS 11 HOURS  
 MATH 125  MATH 224   
 ANY 200 OR GREATER LEVEL MATHEMATICS COURSE THAT  
 HAS MATHEMATICS 224 AS A PREREQUISITE

**Physics 10 Hours**  
 PHYS 211  AND 212   
 OR PHYS 221  AND 222  PHYS 241

**Senior Capstone 3 Hours**  
 CSCI 420

**Total 60 Hours**

**Requirements for a major in Computer Information Systems:** Computer Science 110, 115, 116, 215, 230, 305, 310, 365, 371, 420, a Computer Science course numbered 300 or above, and one additional Computer Science or Management Information Systems course numbered 300 or above; Accounting 201 and 202; Management 301; Management Information Systems 220; Mathematics 123 or Mathematics 223; and three additional courses chosen from Management and/or Accounting courses numbered 300 or above.

**Computer Science Courses 27 Hours**  
 CSCI 110  CSCI 115  CSCI 116   
 CSCI 215  CSCI 230  CSCI 305   
 CSCI 310  CSCI 365  CSCI 371

**Accounting 6 Hours**  
 ACCT 201  ACCT 202

**Mathematics 3 Hours**  
 MATH 123  OR MATH 223

**Management 3 Hours**  
 MNGT 301

**Management Information Systems 3 Hours**  
 MIS 220

**Computer Science Elective 3 Hours**  
 ANY 300 OR GREATER LEVEL

COMPUTER SCIENCE COURSE

**Computer Science/Management Information Systems Elective: 3 Hours**  
 ANY 300 OR GREATER LEVEL  
 COMPUTER SCIENCE OR MANAGEMENT INFORMATION  
 SYSTEMS COURSE

**Accounting/Management Electives 9 Hours**  
 ANY THREE 300 OR GREATER LEVEL ACCOUNTING OR  
 MANAGEMENT COURSES

**Senior Capstone 3 Hours**  
 CSCI 420

**Total 60 Hours**

**Requirements for a minor in Computer Science:** Computer Science 115, 116, 215, 230, 310, 342, and 380.

**Requirements for a minor in Computer Information Systems:** Computer Science 105, 115, 116, 230, 305, 371, and one additional Computer Science course numbered 300 or above.

**Computer Science Courses**

**CSCI 110 Computing for Business**  
 Use of computer software tools to aid in business analysis will be investigated. Problems will be drawn from the areas of accounting, finance, management, and economics. The course begins with an overview of spreadsheet applications and continues with an overview of macros, programming languages, and various modeling tools.  
*Credit: 3 Hours*

**CSCI 115 Computer Programming I**  
 Introductory analysis, design, implementation, and debugging of well-structured computer programs. Style and documentation emphasized. Primitive commands, basic data types, control structures, scope, functions, parameters, arrays, records and classes. Offered fall semester.  
*Credit: 3 Hours*

**CSCI 116 Computer Programming II**  
 Emphasizes top-down design, modularity, recursion, dynamic variables, and data structures such as trees, stacks, and queues. Offered spring semester.  
 Prerequisite: Computer Science 115.  
*Credit: 3 Hours*

**CSCI 210 Scientific Computing and Problem Solving**  
 Use of computer software tools to assist in conducting scientific research. Problem and context identification; mathematical modeling of relationships and/or conjectures; selection of software tools, development, implementation and testing of designs. Computing tools include spreadsheets, simulation software, and programming languages. Projects reflect the type of research conducted in courses designed for science and engineering majors. Focus will be on problems whose solutions require mathematics, statistics, computer science, and basic understanding of one or more science areas.  
 Prerequisites: Mathematics 123 or 121 (or satisfactory score on the calculus readiness section of the math placement test) and completion of at least one course in a laboratory science sequence.  
*Credit: 3 Hours*

**CSCI 215 Computer Architecture and Programming**

Computer architecture and machine language; internal data representation; symbolic coding and assembly systems; macro facilities; program segmentation and linkage; construction of elementary assemblers; overview of operating systems. Offered fall semester of even-numbered years.

Prerequisite: Computer Science 116.

**Credit: 3 Hours**

**CSCI 216 Computer Organization**

Logic design, information transfer, and control within computer. Boolean functions, combinational and sequential logic elements, number representations and arithmetic, microprogrammed vs. hard-wired control, input/output, and interrupts. Offered spring semester of odd-numbered years.

Prerequisite: Computer Science 215.

**Credit: 3 Hours**

**CSCI 230 Using Database Management System Software**

Students will learn to use a relational DBMS to develop a user-friendly system which allows users to manipulate data and generate reports to support decisions in a typical business application environment. Topics include data structure definitions; data manipulation operations; query, report, forms and menu generation; SQL commands; and use of a programming language to customize database operations. Offered fall semester.

Prerequisite: Computer Science 115.

**Credit: 3 Hours**

**CSCI 240 Introduction to File Processing**

External data structures used to represent various file organizations, such as sequential, indexed, and random; algorithms for searching and sorting files; direct access files using Btrees and hashing; techniques for implementing inverted lists and multilists.

Prerequisite: Computer Science 116.

**Credit: 3 Hours**

**CSCI 305 Systems Analysis and Design**

Software engineering approach to system life cycle of computer-based information systems. Modern structured techniques, employing data-flow diagrams, data dictionaries, data structure diagrams, structured English minispecs, and structure charts, used in case studies and class projects. Offered spring semester of odd-numbered years.

Prerequisites: Computer Science 116 and completion of at least one 200-level computer science course.

**Credit: 3 Hours**

**CSCI 310 Data Structures and Algorithm Analysis**

Analysis of algorithms that represent and transform information structures such as strings, lists, stacks, queues, and multilinked structures; techniques for finding paths and spanning trees in graphs; methods of dynamic storage allocation and recovery; abstract data types.

Prerequisites: Computer Science 215 and 230 or written permission of instructor.

**Credit: 3 Hours**

**CSCI 320 Computer Graphics**

Interactive graphics displays. Line-drawing algorithms, circle generation, transformations, clipping and windowing, segmented display

files, picture structure, graphical input techniques, raster graphics, scan conversion algorithms, three-dimensional transformations and perspective, and hidden surfaces. Includes writing of graphics packages using microcomputers and graphics terminals and plotters. Offered when feasible.

Prerequisites: Computer Science 310 and Mathematics 224.

**Credit: 3 Hours**

**CSCI 340 Numerical Analysis**

Introductory numerical techniques emphasizing algorithms suitable for use with computer. Error analysis and critical comparison of alternative algorithms emphasized. Series approximations to functions, roots of equations, linear systems of equations, integration, and ordinary differential equations. Offered when feasible. (Also listed as Mathematics 340.)

Prerequisites: Mathematics 224 and Computer Science 115.

**Credit: 3 Hours**

**CSCI 342 Principles of Programming Languages**

Introductory programming language design and analysis. Formal syntax, data types, storage models, control structures, binding occurrences, procedural abstraction, definition structures, concurrent processes, and formal semantics. Examples include Ada, Pascal, LISP, Prolog, and C++.

Prerequisite: Computer Science 310.

**Credit: 3 Hours**

**CSCI 365 Computer Networking and Data Communications**

Overview of computer networks using various models, such as the OSI layered approach, IEEE 802 and "real" protocols, including TCP/IP and popular commercial protocols. Design and implementation of LANs (Ethernet, FDDI, etc.) using the campus network. Design of internetworks and routing. Managing networks. Client/server applications.

Prerequisite: Computer Science 215, or 230, or 240.

**Credit: 3 Hours**

**CSCI 371 Database Management Systems Design**

Design techniques and secondary storage structures used in computer-based data models. Attributes and functional dependencies; data normalization; network, relational, and hierarchical models; schema and query languages; integrity and security issues.

Prerequisite: Computer Science 230 or 240.

**Credit: 3 Hours**

**CSCI 380 Operating Systems and Computer Architecture**

Relationship between advanced computer architecture and implementation of modern operating systems. Processor modes and context switching, memory management, input/output, exception handling, process scheduling, paging, and swapping. Modern operating system, such as UNIX and/or VAX/VMS, used to provide examples of these ideas.

Prerequisite: Computer Science 215.

**Credit: 3 Hours**

**CSCI 385 Artificial Intelligence**

Data structures and algorithms required to simulate human intelligence with computers. Knowledge representation, search algorithms, games, predicate calculus and resolution, unification, rule-based systems, learning and brief introduction to neural networks. LISP-like language used for projects. Offered when feasible.

Prerequisite: Computer Science 215.

**Credit: 3 Hours**

**CSCI 410 Compiler Design**

Design and implementation of language translators. Lexical analysis and regular expressions; context-free grammars and parsing algorithms; syntax-driven translation; intermediate code representations; code generation; and optimization techniques. Offered when feasible.

Prerequisite: Computer Science 310.

**Credit: 3 Hours**

**CSCI 420 Systems Development Project**

Senior-level departmental capstone course. Teams of students construct a complete operational system. Course project responds to actual needs of manufacturing, retail, or service organization.

Prerequisites: Senior standing and written permission of instructor.

**Credit: 3 Hours**

**CSCI 422 Theoretical Foundations of Computing**

Various mathematical models for computation. Nature of computation, finite automata and grammars, solvable and unsolvable problems, formal semantics, proving program correctness, and non-determinism. Offered when feasible.

Prerequisite: Computer Science 310.

**Credit: 3 Hours**

**CSCI 430 Expert Systems**

Choosing, creating, and evaluating expert systems and expert system shells. Emphasizes developing systems that exploit backward chaining rules and that permit assignment of confidence levels to rule-based system. Offers students experience in linking inference engines developed with expert system shells (such as M.1) to modules written in more traditional languages (e.g., C). Inductive systems and non-rulebased systems discussed. Offered when feasible.

Prerequisite: At least one 300-level Computer Science Course.

**Credit: 3 Hours**

## Education

Department of Education

Website: <http://www.marietta.edu/~educ/Edweb/Page1x.html>

Chair: Dr. Dorothy Erb (Dottie.Erb@marietta.edu)

Professor: Constance Golden; associate professors: Marybeth Peebles, William M. Bauer; assistant professors: Carolyn Backus, Cathy S. Mowrer  
Field and Clinical Director: Elaine O'Rourke  
Secretaries: D. Elaine Addis, Linda Gorman

The mission of the Marietta College Education Department is to prepare "Educator Leaders for 21st Century Schools" by providing candidates with the experiences necessary to develop the knowledge, skills, and dispositions to facilitate student learning. This mission coincides with the College goal to graduate students at the undergraduate and

graduate levels who are adept at critical analysis, problem solving, and the leadership skills required to translate what is learned into effective actions.

Department of Education and all teacher licensure programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE) and approved by the Ohio Department of Education. The department offers teacher education programs in early childhood, middle childhood, intervention specialist mild/moderate, and adolescent/young adult education. Endorsement programs are available in reading and early childhood generalist. Students wishing to major in early or middle childhood education should meet with a member of the College's Department of Education to plan their academic schedule.

**Admission into the Professional Education Program**

When a student enrolls in the first Education course (usually Education 110 or 210) the student will be classified as intending to pursue a licensure program. Upon completion of the following requirements and at least 45 hours of College credit, the student may apply for admission into the Professional Education Licensure Program. The requirements are as follows

- submission of Praxis I scores with minimum scores of Mathematics-174, Reading-175, Writing 173, or ACT composite of 23 or SAT composite of 1060;
- a 2.75 grade point average;
- completion of Writing 101 with a grade of "C" or better;
- completion of Communication 101 with a grade of "C" or better;
- completion of Education 111, 131, or 151 with a grade of "B" or better;
- completion of all other required 200-level or higher Education courses with a grade of "C" or better;
- an essay explaining why the student wishes to enter the field of education;
- 3.0 grade point average in Education courses.

The College's Department of Education will either accept or reject the student's application into the Professional Education Licensure Program based on the student's qualifications and the department's vote of confidence in the student's ability to complete the Program.

Students denied admission to the Professional Education Licensure Program may appeal this decision according to the criteria set forth in the *Marietta College Teacher Education Handbook*. A copy of this document will be given to each student in Education 110 or 210; additional copies are available on the Department of Education website. If the student's grade point average falls below a 2.75, the student will be placed on program probation for one semester. If, at the end of the probationary semester, the student's grades are still below a 2.75, the student will no longer be permitted to enroll in 300/400-level Education courses. These and other policies governing licensure are outlined and fully explained in the *Marietta College Teacher Education Handbook*. Praxis I Testing information is available in the Department of Education Office, the Academic Resource Center, and on the Department of Education website.

Ohio License	College Major
Early Childhood Education (Preschool-Grade 3)	Early Childhood Education
Middle Childhood Education (Grades 4-9)	Middle Childhood Education
Intervention Specialist, Mild/Moderate (K-12)	Intervention Specialist
Adolescent Young Adult Life Science (Grades 7-12)	Biology
Adolescent Young Adult Integrated Language Arts	English
Adolescent Young Adult Mathematics	Mathematics
Adolescent Young Adult Integrated Social Studies	History
Multi-age Music (K-12)	Music Education
Ohio Endorsements Reading (K-12)	Can be added to any license
Early Childhood Generalist (Grades 4 - 5)	Early Childhood Education

**Suggested Programs of Study**

Candidates are cautioned to work closely with advisors in the Department of Education and to become familiar with the requirements as described in the *Marietta College Teacher Education Handbook*. As shown in the tables, the department has developed the following suggested programs of study for each license

Early Childhood Education			
Freshman Year - Fall		Spring	
Writing 101	3 hrs	Communication 101	3 hrs
Education 110	3 hrs	Education 111	1 hr
Education 130	3 hrs	Education 130 or 219	3 hrs
History 101	3 hrs	Education 240	3 hrs
Psychology 101	3 hrs	Mathematics 114	3 hrs
Sophomore Year: Fall		Spring	
Education 202	3 hrs	Education 311*	1 hr
Education 211	1 hr	Education 321*	3 hrs
Education 253	3 hrs	Biology 102 & 107	4 hrs
Geology or Physics 101.	4 hrs	History 220	3 hrs
Math 113	3 hrs		
Education 230	3 hrs		

Early Childhood Education			
Junior Year: Fall		Spring	
Education 305*	3 hrs	Education 322*	3 hrs
Education 362*	3 hrs	Education 361*	3 hrs
Physical Educ. 319	3 hrs	Education 419*	3 hrs
Psychology 206	3 hrs	Education 420*	3 hrs
Senior Year: Fall		Spring	
Communication 201	3 hrs	Education 452**	3 hrs
Education 410*	4 hrs	(capstone course)	
Education 416*	3 hrs	Education 460***	12 hrs
Education 422*	1 hr	(Education 410 may be completed in summer)	

\* Admission to Professional Licensure required

\*\* Admission to student teaching semester required

\*\*\* Required for teachers licensure only and admission to student teaching semester required.

Middle Childhood Education			
Freshman Year - Fall		Spring	
Education 110	3 hrs	Education 130	3 hrs
Psychology 101	3 hrs	Education 131	1 hr
		Education 202	3 hrs
Sophomore Year: Fall		Spring	
Education 231	1 hr	Education 321*	3 hrs
Education 253	3 hrs	Education 331*	1 hr
		Psychology 207	3 hrs
Junior Year: Fall		Spring	
Education 322*	3 hrs	Education 361*	3 hrs
Education 363*	3 hrs	Education 430*	3 hrs
		Education 431*	1 hr
Senior Year: Fall		Spring	
Education 46_*	3 hrs	Education 452**	3 hrs
Education 46_*	3 hrs	(capstone course)	
		Education 470***	12 hrs

\* Admission to Professional Licensure required

\*\* Admission to student teaching semester required

\*\*\* Required for teachers licensure only and admission to student teaching semester required.

In addition, a student must meet requirements for two concentration areas for the middle childhood major: *Language Arts*: Communication 201, Education 219, 220, 453, English 203 or 204, 380, Mass Media 101, 207, Theatre 307; *Social Studies*: Economics 211, Education 454, History 101, 102, 120, 121, 220, Political Science 103, 130; *Science*: Biology 101, 105, 107, Chemistry 101, Education 455, Geology 101, Petroleum Engineering 101, Physics 101, 105; *Mathematics*: Education 456, Mathematics 113, 114, 118, 121, 123, 125, plus one additional math selection.

Intervention Specialist License			
Freshman Year - Fall		Spring	
Education 110	3 hrs	Education 130	3 hrs
Psychology 101	3 hrs	Education 141	1 hr
Concentration Courses		Education 202	3 hrs
		Education 219	3 hrs.
		Concentration Courses	
Sophomore Year: Fall		Spring	
Education 231	1 hr	Education 321*	3 hrs
Education 253	3 hrs	Education 341*	1 hr
Concentration Courses		Psychology 207	3 hrs
		Education 220	3 hrs
		Concentration Courses	
Junior Year: Fall		Spring	
Education 322*	3 hrs	Education 361*	3 hrs
Education 360*	3 hrs	Education 322*	3 hrs
Education 342*	3 hrs	Education 419*	3 hrs
Education 345*	3 hrs	Education 420*	3 hr
Education 416*	3 hrs.	Education 343	3 hrs
		Education 344	3 hrs
Senior Year: Fall		Spring	
Education 410*	4 hrs	Education 452**	3 hrs
Education 348*	3 hrs	(capstone course)	
Education 359*	3 hrs	Education 475***	12 hrs
Education 45_	3 hrs	Education 470***	12 hrs
Education 45_	3 hrs		

- \* Admission to Professional Licensure required
- \*\* Admission to student teaching semester required
- \*\*\* Required for teachers licensure only and admission to student teaching semester required.

Adolescent/Young Adult License	
Freshman Year - either semester	
Education 110	3 hrs
Education 130	3 hrs
Education 151	1 hr
Sophomore Year - either semester	
Education 202	3 hrs
Education 251	1 hr
Education 253	3 hrs
Psychology 101	3 hrs
Junior Year	
Education 360* (fall)	3 hrs
Psychology 207 (spring)	3 hrs
Senior Year	
Education 423* (fall)	3 hrs
Education 451* (either semester)	1 hr
Education 452** (spring)	3 hrs
Education 453, 454, 455, or 456* (fall)	3 hrs
Education 480** (spring)	12 hrs

- \* Admission to Professional Licensure required
- \*\* Admission to student teaching semester required
- \*\*\* Required for teachers licensure only and admission to student teaching semester required.

In addition, the student must complete one of the following requirements for the Adolescent/Young Adult licensure: *Biology/Life Science (Biology major)*: Biology 101, 102, 105, 106, 131, 202, 203, 212, 318, 319, 320, 321, 330, 490, 491, either Biology 311 or 312, either Biology 497 or 498, Chemistry 131, 132, 133, 134, 303, 305, Mathematics 123. *Biology/Chemistry (Biochemistry major)*: Biology 101, 102, 105, 106, 131, 202, 309, 330, 420, 430, 490, 491, Chemistry 131, 132, 133, 134, 231, 303, 304, 305, 306, 420, 422, Geology 101, Mathematics 123, Physics 221, 222. *Language Arts (English major)*: Communication 301, either Communication 201 or 205, either Communication 209 or 314, Education 220, English 201, 202, 203, 204, 235, 360, 372, 380, 410, one from English 240, 245 and 255, two from English 336, 337 and 362, one from Writing 290, 302, and 308, Mass Media 101, 207, 370. *Mathematics (Mathematics major)*: Computer Science 115, Mathematics 125, 224, 225, 223 or 257, 301, 302, 304, 346, 401, 402, 451, 453 plus two additional Mathematics courses numbered 300 or higher. *Social Studies (History major)*: Economics 211, 212, History, 101, 102, 120, 121, 220, 302, 317, 319, 402, either History 303 or 329, either History 312 or 322, either History 307 or 310, two from History 339, 340, 352 and 354, Political Science 103, 130, 230.

**Requirements for the Reading Endorsement:** Education 219, 220, 321, 322, 410, one from 311, 331, 351, 360 or 363, 361 or 661, 362 or

662. The reading endorsement may be attached to an Early Childhood, Middle Childhood, or Adolescent/Young Adult License.

## Education Courses

### EDUC 110 Principles of Education

K

Historical, social, and philosophical foundations of education, including critical evaluation of contemporary educational trends, leading to clarification of individual teacher's beliefs, values and ethics involved in purposes, content, methods, and appraisal of teacher's role in public schools. Course includes basic school law and its influences, education policy and its influences, and the socio-cultural interplay of schools and society.

*Credit: 3 Hours*

### EDUC 111 Field Experience I - ECE Teaching

Planned program of work in early childhood classrooms or settings that emphasize developmentally appropriate practice to develop a knowledge and understanding of professional education and the teaching of Pre-K through grade 3 children. Students work with experienced Pathwise-trained classroom teachers in local schools and/or early care settings. Activities include teaching lessons; locating and interacting with community resources, parents/families, and agencies; utilizing electronic media and technology; and investigating the roles of the classroom teacher. (Course must be completed with a grade of "B" or better.)

Prerequisite: Completion of Education 110 with a grade of "C" or better.

*Credit: 1 Hour*

### EDUC 130 Technology in the Classroom

Emphasizes the uses of computer, laser video, CD-ROM, and telecommunications applications in pre-K-12 classrooms. Students gain working knowledge of hardware, software, and multimedia, as well as an understanding of how technology has impacted schools and society. Course also examines copyright and legal issues pertaining to print and non-print media.

*Credit: 3 Hours*

### EDUC 131 Field Experience I - Middle Childhood

Planned program of work in 4-9 classrooms to develop a knowledge and understanding of professional education and the teaching of middle childhood students. Students work in their concentration areas with experienced Pathwise-trained classroom teachers in local schools. Activities include teaching lessons, locating and interacting with school and community resources, using electronic media and technology, selecting materials for instruction, developing hands-on activities, and investigating the roles of middle childhood teachers. (Course must be completed with a grade of "B" or better.)

Prerequisite: Completion of Education 110 with a grade of "C" or better.

*Credit: 1 Hour*

### EDUC 141 Field Experience I - Intervention Specialist

Planned program of work in an elementary inclusion or resource room setting to develop a knowledge and understanding of professional education and the teaching of students with mild to moderate exceptionalities. Students work with special education teachers in local schools. Activities include teaching lessons, locating and interacting with school and community resources, using electronic media

and technology, selecting materials for instruction, developing hands-on activities, and investigating the roles of special education teachers. (Course must be completed with a grade of "B" or better.)

### EDUC 151I Field Experience I - Language Arts

Planned program of work in 7-12 language arts classrooms to develop a knowledge and understanding of professional education and the teaching of language arts. Students work with experienced Pathwise-trained classroom teachers in local schools. Activities include teaching integrated lessons in the language arts, locating and interacting with community resources, using electronic media and technology, and investigating the roles of a language arts teacher. (Course must be completed with a grade of "B" or better.)

Prerequisite: Completion of Education 110 with a grade of "C" or better.

*Credit: 1 Hour*

### EDUC 151m Field Experience I - Teaching Mathematics

Planned program of work in 7-12 mathematics classrooms to develop a knowledge and understanding of professional education and the teaching of mathematics. Students work with experienced Pathwise-trained classroom teachers in local schools. Activities include teaching lessons, locating and interacting with school and community resources, using electronic media and technology, selecting materials for mathematics instruction, developing manipulatives, and investigating the roles of mathematics teachers. (Course must be completed with a grade of "B" or better.)

Prerequisite: Completion of Education 110 with a grade of "C" or better.

*Credit: 1 Hour*

### EDUC 151s Field Experience I - Teaching Science

Planned program of work in 7-12 science classrooms to develop a knowledge and understanding of professional education and the teaching of science. Students work with experienced Pathwise-trained classroom teachers in local schools. Activities include teaching lessons, locating and interacting with community resources, interacting with electronic media and technology, laboratory safety, and investigating the roles of a science teacher. (Course must be completed with a grade of "B" or better.)

Prerequisite: Completion of Education 110 with a grade of "C" or better.

*Credit: 1 Hour*

### EDUC 151ss Field Experience I - Teaching Social Studies

Planned program of work in 7-12 social studies classrooms to develop a knowledge and understanding of professional education and the teaching of social studies. Students work with experienced Pathwise-trained classroom teachers in local schools. Activities include teaching integrated lessons in the social studies, locating and interacting with community resources, using electronic media and technology, and investigating the roles of a social studies teacher. (Course must be completed with a grade of "B" or better.)

Prerequisite: Completion of Education 110 with a grade of "C" or better.

*Credit: 1 Hour*

### EDUC 202 Educational Psychology

Human development and behavior of individual (both typical and non-typically developing) from birth through adolescence as affected

by heredity, development, and training. Emphasizes research-based and practical aspects of readiness, aptitude, interests, and social adjustments, as well as findings of modern theories of learning related to children. Ten hours of field and/or clinical experience.

Recommended prerequisite: Psychology 101.

**Credit: 3 Hours**

#### EDUC 210 Introduction to Teachers as Leaders

Course content to successfully integrate the transfer student into the teacher licensure program at Marietta College. Designed to familiarize the student with the education department and college resources which are critical to their success; familiarize the student with the department's mission, conceptual framework, and policies for admission to licensure programs; orient the student to Praxis III criteria which are used throughout the program to assess student performance; provide guidance in beginning development of the professional portfolio required of all students in the program; and provide academic advice and mentoring. Required of all transfer students intending to take coursework for teacher licensure if transfer credit was given for Education 110, Principles of Education.

**Credit: 1 Hours.**

#### EDUC 211 Diverse Learners Field Experience - Early Childhood

Planned program of work in field and clinical experiences in Pre-K through grade 3 classrooms. Focus is on teaching to all students in a developmentally appropriate manner; developing units of instruction for use with diverse, exceptional, and at-risk student populations; and working collaboratively with teachers, parents/families, other professionals, and community agencies.

Prerequisite: Completion of Education 111 with a grade of "B" or better; Concurrent enrollment in Education 253.

**Credit: 1 Hour**

#### EDUC 219 Children's Literature

Introduction to literature for early and middle childhood, including picture books, traditional literature, poetry, fiction, and nonfiction. Emphasis in integration of literature across the early and middle childhood curriculum, the use of technology as a tool for enhancing literature study, and the use of multicultural works in the classroom.

**Credit: 3 Hours**

#### EDUC 220 Adolescent Literature

Introduction to literature for adolescents, including realistic fiction, coming-of-age, historical, imaginative, poetry, dramas, and nonfiction, and methods for instruction. Emphasis on selections written about and authored by women and minorities.

**Credit: 3 Hours**

#### EDUC 230 Integrated Arts for Early Childhood

Drawing upon a theoretical perspective, this course emphasizes methods and materials for integrating music, movement, drama, and visual arts across the curriculum in the early childhood classroom. The course will focus on developmentally appropriate strategies and effective practice. Investigation of the comprehensive arts will promote a balance in teaching to multiple intelligences.

**Credit: 3 hours**

#### EDUC 231 Diverse Learners Field Experience - Middle Childhood

Planned program of work in field and clinical experiences in 4-9 middle childhood classrooms. Focus is on teaching concentration areas to all students (including underrepresented populations, cul-

tural and language differences, included students with special needs), developing units of instruction which utilize manipulatives, hands-on learning activities, technology, and a variety of student grouping strategies for developing concepts and problem solving strategies.

Prerequisite: Completion of Education 131 with a grade of "B" or better; Concurrent enrollment in Education 253.

**Credit: 1 Hour**

#### EDUC 240 Classroom Management

Investigation of various approaches to classroom organization, strategies to promote appropriate behavior and to prevent, modify, and extinguish inappropriate and disruptive behavior. Strategies for accommodating diversity among students and working with families. Field experience required in conjunction with class.

**Credit: 3 hours**

#### EDUC 241 Diverse Learners Field Experience ñ Intervention Specialist

Planned program of work in field and clinical experiences in 7-12 inclusion classroom. Focus is on investigating co-teaching of content, critical thinking skills, and technology. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 253.

**Credit: 1 Hour**

#### EDUC 251I Diverse Learners - Field Experience - Language Arts - AYA

Planned program of work in field and clinical experiences in 7-12 language arts classrooms. Focus is on teaching language arts to all students, developing units of instruction which feature integrated content, critical thinking skills, and technology for use with diverse student populations with respect to national, state and local curricular standards. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 253.

**Credit: 1 Hour**

#### EDUC 251m Diverse Learners - Field Experience - Teaching Mathematics - AYA

Planned program of work in field and clinical experiences in 7-12 mathematics classrooms. Focus is on teaching mathematics to all students (including underrepresented populations, cultural and language differences, included students with special needs), developing units of instruction which utilize manipulatives, technology, and a variety of student grouping strategies for developing mathematical concepts and problem solving strategies. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 253.

**Credit: 1 Hour**

#### EDUC 251s Diverse Learners - Field Experience - Teaching Science - AYA

Planned program of work in field and clinical experiences in 7-12 science classrooms. Focus is on teaching science to all students, developing units of instruction which utilize the scientific method for investigating data and decision making for use with diverse student populations. Laboratory experience and the use of technology in analyzing data is emphasized. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 253.

**Credit: 1 Hour**

**EDUC 251ss Diverse Learners - Field Experience - Teaching Social Studies**

Planned program of work in field and clinical experiences in 7-12 social studies classrooms. Focus is on teaching social studies to all students, developing units of instruction which feature integrated content, critical thinking and problem solving skills, and technology for use with diverse student populations with respect to national, state and local curricular standards. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 253.

**Credit: 1 Hour**

**EDUC 253 Diverse Learners****W, X**

A study of exceptional learners across their life span, services, legal considerations, research, current issues and trends, and parent/family roles, right, and responsibilities. Emphasizes collaboration and methods of instruction among inclusionary teachers, specialists, related professionals, parents/families, and community agencies. Planned program of work in classrooms and/or community agencies serving exceptional learners from a wide ability range: at-risk, mild to moderate, moderate to severe, and gifted.

Prerequisite: Completion of Education 110 with a grade of "C" or better.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisite: Concurrent enrollment in Education 211 or 231 or 251.

**Credit: 3 Hours**

**EDUC 305 Early Childhood Education - Programs and the Learner**

Growth and developmental characteristics of all children ages 0-8, typical and non-typical, the historical, social, and philosophical development of early childhood programs, and an analysis of the current programs serving young children.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 311 Field Experience - Reading - Early Childhood**

Planned program of work in a reading classroom under the direction of a certified/licensed reading teacher to gain experience with instructional strategies in teaching reading. Students will observe and teach in a reading classroom, create authentic tasks for reading instruction, develop communications skills, gain experience with word recognition and comprehension strategies, participate in student assessments, and utilize available technology. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 221.

**Credit: 1 Hour**

**EDUC 321 Foundations of Reading****W**

Background in the psycholinguistic processes involved in literacy and a thorough overview of top-down and bottom-up approaches to reading instruction. Emphasis on instructional strategies to facilitate comprehension of developmental and content area reading materials for emergent through mature readers while recognizing and embracing cultural, linguistic and ethnic differences among typically and non-typically developing learners. Twenty hours of field work.

Prerequisite: Concurrent enrollment in Education 219, 220 and

Admission into Professional Education Licensure Program.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**EDUC 322 Principles of Phonics Instruction**

Overview of the phonological and morphological elements which comprise standard written English. Instructional strategies which facilitate the use of graphophonic cueing, word analysis, and sight word recognition for beginning through mature readers. Emphasis on the intensive, systematic integration of phonics assessment and instruction within the context of meaningful literacy experiences among typically and non-typically developing learners.

Prerequisite: Education 321 and Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 323 General Methods**

Theoretical, research-based, and practical aspects of classroom teaching. Classroom management, planning, evaluation, and teaching strategies which emphasize technology integration, team planning, investigative teaching methods for early adolescents through adults, and collaboration with parents, other professionals, and community agencies.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 331 Field Experience - Reading - Middle Childhood**

Planned program of work in a reading classroom under the direction of a certified/licensed reading teacher to gain experience with instructional strategies in teaching reading. Students will observe and teach in a reading classroom, create authentic tasks for reading instruction, develop communications skills, gain experience with word recognition and comprehension strategies, participate in student assessments, and utilize available technology. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 321.

**Credit: 1 Hour**

**EDUC 332 Sign Language****X**

The basic understanding of manual communication. The course is an introduction to sign language with an emphasis on basic vocabulary acquisition and awareness of deafness and hearing loss. The course will also focus on deaf culture and historical treatment of people with hearing loss. Use of expressive and receptive communication skills in signed communication, maintaining English word order and conceptually accurate signs will be the main emphasis of study. Participation and active demonstrations will be required.

Prerequisite Education 202 or junior or senior standing with permission of the instructor.

**Credit: 3 Hours**

**EDUC 341 Field Experience - Reading ñ Intervention Specialist**

Planned program of work in an elementary or middle school inclusion classroom or resource room under the direction of a certified/licensed teacher to gain experience with instructional strategies in teaching reading to students with mild to moderate exceptionalities. Students will create authentic tasks for reading instruction, develop communications skills, gain experience with word recognition and comprehension strategies, participate in student assessments, and

utilize available technology. (Graded “satisfactory/unsatisfactory.”)

Prerequisite: Concurrent enrollment in Education 321.

**Credit: 1 Hour**

#### EDUC 342 Instructional Methods for Mild to Moderate Learners

Methods for designing and implementing instruction for students with mild/moderate disabilities. Topics include individualized programming, designing and managing environments and materials, critical teaching behaviors, introduction to data based assessment, and skills and knowledge strategy in mathematics,

reading, and writing. Students will participate in a variety of activities to demonstrate the skills and knowledge

acquired in the classroom setting.

**Credit: 3 Hours**

#### EDUC 343 Assessment of Mild/Moderate Learners

Formal and non-formal evaluation methods to assess students with mild/moderate disabilities which include standardized and state and federally mandated alternative assessment practices. The role of the assessment in the IEP and multi-factored evaluation process.

**Credit: 3 Hours**

#### EDUC 344 Classroom Management Strategies

Focuses on positive behavioral supports, practices, and strategies for children, youth and young adults with mild/moderate disabilities. Included in this course are effective practices for monitoring, assessing, evaluating, managing, structuring and promoting appropriate social interactions of learners with high incidence disabilities.

**Credit: 3 Hours**

#### EDUC 345 Child Psychological Disorders

In depth analysis of the etiology, diagnosis, and treatment of childhood psychological disorders from varying theoretical perspectives. Emphasis is placed on an empirical approach to child psychological disorders.

**Credit: 3 Hours**

#### EDUC 348 Disability and Special Education Law

An introduction to disability and special education law. Today’s educator, administrator, or advocate must be familiar with and possess a basic understanding of the vast regulatory and judicial law that protects persons with disabilities. This course will provide a review of The Individuals with Disabilities Education Act, Section 504 of the Rehabilitation Act of 1973, The American with Disabilities Act (the “ADA”), Free Appropriate Public Education, and the Family Educational Rights and Privacy Act (“FERPA”) among other laws, including state regulation. The course will also provide the student with skills necessary to conduct basic legal research on the Internet and at a public law library. Application of case law will be reviewed and studied.

**Credit: 3 Hours**

#### EDUC 350 Assessment

Information and skills teachers need on a variety of evaluation measures used to assess and screen children. Students develop skills necessary to see results in planning, monitoring, and evaluating classroom instruction and program efficiency.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

#### EDUC 359 Assistive Technology for Students with Disabilities

This course reviews technology used to assist individuals with disabilities in accessing general education curriculum and activities as well as technology to assist people with disabilities in everyday activities. Students are provided with the knowledge and skills needed to use technology to support individuals in computer access, augmentative and alternative communication systems, reading, writing and everyday activities. Assessment and implementation issues are presented in the context of developing individualized plans for students using assistive technology.

**Credit: 3 Hours**

#### EDUC 360 Teaching Reading in the Content Area

Instructional principles and practices for helping middle and high school students and adults learn subject matter through the application of reading, writing, and study skills.

Prerequisite: Admission into Professional Education Licensure Program

**Credit: 3 Hours**

#### EDUC 361 Diagnosis and Correction of Reading Difficulties W

Diagnosis of reading abilities and problems that may be exhibited by beginning through mature readers. Clinical experience with formal and informal reading assessment tools. Developmentally appropriate corrective techniques with special emphasis on literature-based and integrated language arts instruction.

Prerequisite: Education 321, 322, and Admission into Professional Education Licensure Program.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

#### EDUC 362 Instructional Strategies for Early Childhood Reading Across the Curriculum

Strategies for promoting reading and writing throughout the early childhood curriculum and survey of best practices in reading instruction for typically and nontypically developing children. Emphasis on the use of authentic narrative and expository materials to promote comprehension of content and growth in independent reading skills while embracing cultural, linguistic, and ethnic differences among early learners.

Prerequisite: Admission into Professional Education Licensure Program

**Credit: 3 Hours**

#### EDUC 363 Content Area Reading in the Middle Grades

Instructional principles and practices for helping middle grade students learn subject matter through the application of reading, writing, and study skills. Emphasis on addressing general and content-specific literacy strategies and materials.

Prerequisite: Admission into Professional Education Licensure Program

**Credit: 3 Hours**

#### EDUC 410 Practicum in Reading Diagnosis and Correction

Supervised clinical experience in the evaluation of reading strengths and weaknesses in individual students and the development and implementation of corrective procedures for students of varying cultural, linguistic, cognitive, and ethnic backgrounds. Involves the gathering and synthesis of data from informal and formal assessment

instruments and home and school communication to compile a diagnostic report and plan developmentally appropriate instruction.

Prerequisite: Education 321, 322, 361, 362 and admission into Professional Education Licensure Program.

**Credit: 4 Hours.**

#### **EDUC 411 Field Experience - ECE Teaching**

Planned program of work in Pre-K through 3rd grade classrooms/ settings. Focus on teaching developmentally appropriate integrated units using investigative, problem solving, and inquiry methods with hands-on activities, integration of appropriate technologies, collaborative models of planning, and classroom management skills. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 417/418 and admission into Professional Education Licensure Program.

**Credit: 1 Hour**

#### **EDUC 416 Early Childhood Education Social Studies Methods**

Purposes, organization, procedures, content, methods, and materials utilized in the teaching of social studies in grades P-3. Instruction will focus on examining national and state curricular standards for social studies through strategic instruction such as inquiry-base, project methods, cooperative learning, concept-mapping, integrative learning, and discussion techniques. Strategies and content will spotlight the need for students to be able to function in a continually changing world.

Prerequisite: Admission to Professional Licensure Program

**Credit: 3 hours**

#### **EDUC 419 Early Childhood Education Mathematics Methods**

Content, materials, methods, and assessment techniques used in early education to help a wide variety of learners (at-risk, mild to moderate, moderate to severe, gifted, culturally diverse, etc.) to discover and understand basic mathematical concepts through an integrated approach to instruction. Focus on examining national and state curriculum standards; investigating a wide variety of methods and collaborative models used in early childhood mathematics; integrating technology; planning and implementing developmentally appropriate instruction using investigative, problem-solving, inquiry, and hands-on activities; and applying evaluative techniques for assessment of instruction.

Prerequisite: Admission to Professional Licensure Program

**Credit: 3 hours**

#### **EDUC 420 Early Childhood Education Science Methods**

Content, materials, methods, assessment techniques, technology, and integrative approaches to instruction in PK-3. The processes of scientific investigation are studied through inquiry, cooperative learning, multi-sensory activities, and various manners of collecting and analyzing data. Conceptual connections across disciplines are stressed for real-world situations. Differing learning modalities and multiculturalism in the sciences are addressed.

Prerequisite: Admission to Professional Licensure Program

**Credit: 3 hours**

#### **EDUC 422 Critical Issues in Early Childhood Education**

Current issues and trends in early childhood education, PK-3. Discussion and analysis of current literature dealing with multiple perspectives on controversial issues and dilemmas in early childhood education. Synthesis of knowledge about teaching methods and best practices to critically analyze an authentic classroom based on its

environment, curriculum, and parental involvement.

Prerequisite: Admission to Professional Licensure Program

**Credit: 1 hour**

#### **EDUC 430 Middle School Concepts**

Historical development, philosophy and the competencies needed in the middle school. Course includes research and study of exemplary middle school curricula, instructional and organizational practices that are developmentally appropriate for early adolescent learners, communication strategies effective for large and small groups of middle level students, interdisciplinary teaming, assessment strategies appropriate for early adolescent learners, and working collaboratively with families, professionals, and community groups.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

#### **EDUC 431 Field Experience - Middle Childhood Teaching**

Planned program of work in 4-9 middle childhood classrooms. Teaching units using investigative, problem solving, and critical thinking methods in collaboration with Pathwise trained classroom middle childhood teachers in the student's concentration areas. Emphasis on creating instructional plans, teaching lessons, collaboration with parents and professionals, and classroom management skills. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 430 and admission into Professional Education Licensure Program.

**Credit: 1 Hour**

#### **EDUC 451I Field Experience - Teaching Language Arts - AYA**

Planned program of work in 7-12 language arts classrooms. Teaching units using integrative methods in collaboration with Pathwise trained classroom language arts teacher. Emphasis on integrated methods of teaching, communication strategies, lessons involving critical thinking, technology applications, and classroom management skills. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 453.

**Credit: 1 Hour**

#### **EDUC 451m Field Experience - Teaching Mathematics - AYA**

Planned program of work in 7-12 mathematics classrooms. Teaching units using investigative methods in collaboration with Pathwise trained classroom mathematics teacher. Emphasis on investigative learning, problem solving, manipulatives, real-world applications of mathematical concepts, integrating technology, and classroom management skills. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 455 and admission into Professional Education Licensure Program.

**Credit: 1 Hour**

#### **EDUC 451s Field Experience - Teaching Science - AYA**

Planned program of work in 7-12 science classrooms. Teaching units using investigative methods in collaboration with Pathwise trained classroom science teacher in student's licensing area. Emphasis on scientific method, laboratory methods, investigative learning, technology, and classroom management skills. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 456 and admission into Professional Education Licensure Program.

**Credit: 1 Hour**

**EDUC 451ss Field Experience - Teaching Social Studies - AYA**

Planned program of work in 7-12 social studies classrooms. Teaching units for all students that integrate the social studies disciplines in collaboration with Pathwise trained classroom social studies teacher. Emphasis on integrated methods of teaching, inquiry and problem solving strategies, simulations, critical thinking, technology applications, and assessment and classroom management skills. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Concurrent enrollment in Education 454.

**Credit: 1 Hour**

**EDUC 452 Culture and Gender Issues**

**X**

This course is the Senior Capstone course and is taken concurrently with student teaching. The course investigates multicultural and gender issues as they impact the teaching/learning environment. It broadens student teachers' understanding of diversity by identifying, adapting to, and embracing cultural differences among their students. Conducted primarily as a seminar throughout the semester, the course includes 30-40 hours of fieldwork in a multicultural setting in the student's licensing area and level.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 453 Special Methods - Language Arts**

Curriculum construction and special methods in the teaching of language arts with respect to national, state and local student outcomes. Methodology and strategies for selecting, integrating, and translating knowledge of language arts disciplines for instruction in relation to national, state and local curriculum standards. Emphasizes communication, critical thinking strategies, assessment strategies, and the interrelationship of disciplines.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 454 Special Methods - Social Studies**

Curriculum construction, design, and study of special methods for teaching social studies in a variety of locations and cultural settings. Methodology and strategies for selecting, integrating, and translating knowledge of social science disciplines for instruction in relation to national, state, and local curriculum standards. Emphasizes critical thinking strategies, formal and informal assessment strategies, the interrelationship of disciplines and the multicultural aspects of social studies teaching.

Prerequisite: Admission into Professional Education Licensure Program

**Credit: 3 Hours**

**EDUC 455 Special Methods - Mathematics**

Mathematical teaching strategies, materials selection, technology integration, task development, student organization, and methods of assessment to create an environment conducive for teaching mathematical concepts through problem solving, investigation, and hands-on learning with manipulatives. Focus on teaching and assessing students of varying cultural backgrounds and learning styles through such things as cooperative learning, peer teaching, oral and written discourse, and portfolio development with respect to national, state and local curricular standards.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 456 Special Methods - Science**

Curriculum construction and special methods of teaching science with regard to national, state, and local curriculum standards. Focus on inquiry-based teaching methods, laboratory planning, safety, and environmental concerns, the technology appropriate for science classrooms, and use and care of life specimens and subjects. Professional organizations, career opportunities, discipline ethics, and continuing professional development are included.

Prerequisite: Good standing in the Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 457 Educators as Cross Cultural Leaders-Study Abroad M**

This course is an in-depth, cross-disciplinary study of cultural similarities and differences in approaches to social conflict and other social problems in the United States and in areas across the world. A three-week study abroad period will bring students into intensive contact with educators, scholars, and community activists across the globe. This course will also serve as a global or diversity requirement. The influence of socio-identities (e.g., race, ethnicity, religion, gender, socioeconomic status, and sexual orientation) on individuals' functioning, concerns, and the education and/or counseling processes will be explored.

**Credit: 3 Hours**

**EDUC 460 Student Teaching - Early Childhood**

Fourteen week supervised professional teaching experience in the greater Washington County, Ohio area and under the guidance of a Pathwise mentor and selected cooperating teacher(s) in early childhood education. Students are required to follow school district calendar.

Prerequisites: Completion of all other 400 level courses and admission to student teaching semester (see requirements in the Teacher Education Handbook).

**Credit: 12 Hours.**

**EDUC 463 Middle Childhood Language Arts Methods**

Curriculum construction and special methods in the teaching of middle childhood language arts with respect to national, state and local student outcomes. Methodology and strategies for selecting, integrating, and translating knowledge of language arts disciplines for instruction in relation to national, state and local curriculum standards. Emphasizes communication, critical thinking strategies, assessment strategies, and the interrelationship of disciplines.

Prerequisite: Admission into Professional Education Licensure Program

**Credit: 3 Hours**

**EDUC 464 Middle Childhood Social Studies Methods**

Curriculum construction, design, and study of methods for teaching middle grades social studies in a variety of locations and cultural settings. Methodology and strategies for selecting, integrating, and translating knowledge of social science disciplines for instruction in relation to national, state, and local curriculum standards. Emphasizes critical thinking strategies, formal and informal assessment strategies, the interrelationship of disciplines and the multicultural aspects of social studies teaching.

Prerequisite: Admission into Professional Education Licensure Program

**Credit: 3 Hours**

**EDUC 465 Middle Childhood Mathematics Methods**

Mathematical teaching strategies, materials selection, technology integration, task development, student organization, and methods of assessment to create an environment conducive for teaching mathematical concepts through problem solving, investigation, and hands-on learning with manipulatives. Focus on teaching and assessing students of varying cultural backgrounds and learning styles through such things as cooperative learning, peer teaching, oral and written discourse, and portfolio development with respect to national, state and local middle grade mathematics standards.

Prerequisite: Admission into Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 466 Middle Childhood Science Methods**

Curriculum construction and special methods of teaching middle grades science with regard to national, state, and local curriculum standards. Focus on inquiry-based teaching methods, laboratory planning, safety, and environmental concerns, the technology appropriate for science classrooms, and use and care of life specimens and subjects. Professional organizations, career opportunities, discipline ethics, and continuing professional development are included.

Prerequisite: Good standing in the Professional Education Licensure Program.

**Credit: 3 Hours**

**EDUC 470 Student Teaching - Middle Childhood**

Fourteen week supervised professional teaching experience in the greater Washington County, Ohio area and under the guidance of a Marietta College faculty supervisor, and a selected cooperating teacher(s) in middle childhood education who has Pathwise mentor training. Students are required to follow school district calendar.

Prerequisites: Completion of all other 400 level courses and admission to student teaching semester (see requirements in the Teacher Education Handbook).

**Credit: 12 Hours.**

**EDUC 475 Student Teaching ñ Intervention Specialist**

Fourteen week supervised professional teaching experience in the greater Washington County, Ohio area and under the guidance of a Marietta College faculty supervisor, and a selected cooperating teacher(s) in an intervention setting with students with mild to moderate exceptionalities. Students are required to follow school district calendar.

Prerequisites: Completion of all other 400 level courses and admission to student teaching semester (see requirements in the Teacher Education Handbook).

**Credit: 12 Hours.**

**EDUC 480 Student Teaching - Adolescent Young Adult**

Fourteen week supervised professional teaching experience in the greater Washington County, Ohio area in a supervised placement in the student's area and at the appropriate grade level. Supervision shall be done by a Marietta College faculty member and a selected cooperating teacher(s) who have had Pathwise mentor training and who possess appropriate credentials and experience in the student's licensing area. Students are required to follow school district calendar.

Prerequisites: Completion of all other 400 level courses, and admission to student teaching semester (see requirements in the Teacher Education Handbook).

**Credit: 12 Hours.**

For graduate-level courses in Education, see the Graduate Programs Catalog.

## Engineering, General Courses

Edwy R. Brown Department of Petroleum Engineering and Geology, Chair:

Dr. Robert W. Chase (Bob.Chase@marietta.edu)

Coordinator of the Engineering Binary Program: Dr. Robert Lipset (Bob.

Lipset@marietta.edu)

Secretary: Laura Pytlík

Marietta College offers a Bachelor of Science in Petroleum Engineering degree. Requirements for the degree and major course descriptions are listed under Petroleum Engineering.

An Engineering Binary Program is also offered in cooperation with several major engineering schools. A student in this program normally attends Marietta College for three years before transferring to one of the cooperating engineering schools for two additional years of engineering study. Upon graduation, the student will receive a Bachelor of Arts or Science degree from Marietta College and a Bachelor of Science in Engineering degree from the engineering school.

The general engineering courses listed include those required for the major in Petroleum Engineering and recommended for the Engineering Binary Program.

**EGRG 311 Engineering Statics**

An introduction to the static analysis of mechanical systems. Topics include forces, vectors, torque, equilibrium analysis, structural analysis, friction, inertia, and centroids.

Prerequisite: Mathematics 224, or permission of instructor.

**Credit: 3 Hours**

**EGRG 312 Strength of Materials**

Principles of stress, strain, compressive loads, shear, torsion, transverse loads, eccentric loads, column mechanics, and combined stresses; emphasis on design. Materials covered include metals, wood, cements, and other porous media.

Prerequisite: Engineering 311.

**Credit: 3 Hours**

**EGRG 321 Fluid Mechanics**

Mechanical properties of fluids; fluid statics, mass balance, and energy balance; Bernoulli's equation; laminar and turbulent flow; friction; machinery (pumps, compressors, and turbines).

Prerequisites: Mathematics 224 and Engineering 311.

**Credit: 3 Hours**

**EGRG 325 Economic Analysis and Investment Decision Methods**

Y

Determination of economic parameters such as rate of return, discounted present worth, future worth, annual worth, incremental rate of return and benefit/cost ratio; application of time value of money considerations to before and after-tax evaluation of virtually all types of investment situations, emphasizing factors that influence management decisions; risk and uncertainty; Monte Carlo simulation applied to reserve calculations; depreciation; income tax calculations.

Prerequisite: Junior standing.

**Credit: 3 Hours**

**EGRG 331 Electrical Engineering**

Fundamental principles of electrical circuit analysis, electric power, magnetic circuits, transformers, and electrical machines.

Prerequisites: Physics 222 and Mathematics 302.

*Credit: 3 Hours*

**EGRG 341 Engineering Topics**

Topics and problems in electrical engineering, transport phenomena, thermodynamics, strength of materials, fluid mechanics and other fundamental topics in engineering. Preparation for Fundamentals of Engineering Exam.

Prerequisites: Mathematics 302 and Physics 222.

*Credit: 3 Hours*

**EGRG 351 Thermodynamics**

Energy and its transformation. Energy analysis of engineering systems, including power and refrigeration cycles. Includes first and second laws; equations of state; available and unavailable energy; and transport phenomena.

Prerequisites: Mathematics 225 or 235 and Physics 222.

*Credit: 3 Hours*

## English

Department of English

Website: <http://www.marietta.edu/~engl/>

Chair: Joseph M. Sullivan ([sullivanj@marietta.edu](mailto:sullivanj@marietta.edu))

Professor: Carolyn Hares-Stryker; associate professors: Janet Bland, Timothy D. Catalano, Beverly J. Hogue; assistant professors: Nathan Anderson, Nicole Livengood

Secretary: Angela Stevens

The Department of English strives to help its graduates develop the curiosity, knowledge, and analytical skills that will allow them to maintain and enhance the professional reputation of those who graduate from Marietta College with a major in English. Toward this end, the program's mission is

- To attract majors and minors who are committed to a liberal arts education and who value the understanding that can come from careful analysis of literary texts.
- To graduate majors whose ability to articulate, organize, and analyze ideas in the English language qualifies them to succeed in graduate school and a variety of careers.
- To teach students an appreciation of literature that will allow them to make meaningful use of their leisure time.
- To provide all Marietta College students with the foundations of compositional skills that will help them to do the analytical work required in their majors.

**Requirements for a major in English:** Forty-two (42) hours in English beyond Writing 101 or Honors 201: 12 hours from Cultural Perspectives; 9 hours from Conceptual Perspectives; 15 hours from Specialized Perspectives, at least one of which must be pre-19th century; 3 hours from Perspectives in Writing; 3 hours Senior Perspective.

**Cultural Perspectives:****All of the following**

ENGL 201

ENGL 202

ENGL 204

**12 Hours**  
ENGL 203

**Conceptual Perspectives:****Any three of the following**

ENGL 205

ENGL 210

ENGL 220

ENGL 225

ENGL 235

ENGL 240

ENGL 255

ENGL 260

**9 Hours**

ENGL 215

ENGL 230

ENGL 245

**Specialized Perspectives:****Five of the following, including at least one pre-19th century course**

ENGL 320

ENGL 322

ENGL 323

ENGL 324

ENGL 336

ENGL 337

ENGL 342

ENGL 343

ENGL 350

ENGL 356

ENGL 357

ENGL 360

ENGL 362

ENGL 364

ENGL 372

**15 Hours**

**Perspectives in Writing:****One of the following**

WRIT 290

WRIT 301

WRIT 302

WRIT 303

WRIT 305

WRIT 306

WRIT 307

WRIT 308

WRIT 310

WRIT 312

**3 Hours**

**Capstone: Senior Perspective:**

ENGL 410

**3 Hours**

**Total**

**42 Hours**

**Requirements for a minor in Literature:** Six hours from English 201, 202, 203, 204, 205, or 255 and 12 hours of 300-level literature courses.

**Creative Writing Concentration:** To earn a Creative Writing Concentration, students must complete the requirements for the English major plus nine hours of writing courses (in addition to the Perspectives in Writing course required for the English major), including WRIT 290 and any two from among WRIT 301, 302, and 303.

The Campus Writing Center is located in 217 Thomas Hall and offers one-on-one writing assistance to any member of the Marietta College community. Clients may sign up in advance for an appointment, a series of standing appointments or simply visit on a drop-in basis. Appointments typically last for 45 minutes.

**WRIT 060 Basics of English Composition**

A review of basic principles of grammar, usage, and mechanics; basic principles of exposition; preparation of paragraphs and essays. This course must be taken until completed with a grade of C- or better. Once a student is enrolled in WRIT 060, s/he may not withdraw from the course.

*Credit: 3 Hours*

**WRIT 101 English Composition**

The study and writing of expository essays with attention to the development of research and analytical skills. Required of all first-time students without advanced placement standing in composition. This course must be taken until completed with a grade of C- or better.

Once a student is enrolled in WRIT 101, s/he may not withdraw from the course. See "Special Rules for First-Year Courses" in the Graduation Requirements section.

*Credit: 3 Hours*

**ENGL 121 Responding to Writing**

The course will serve as a practicum to prepare students for employment in the Campus Writing Center. It will also be beneficial to students preparing for careers as educators. The course will introduce

students to the theory, research, and practice that inform pedagogically-sound writing tutorials.

Prerequisite: Permission of instructor

**Credit: 1 Hour**

### ENGL 151 Introduction to Literature L

An introduction for first-year students to the study of fiction, poetry, and drama. Emphasizes close reading and analysis of texts representing these genres.

**Credit: 3 hours**

## Cultural Perspectives

These courses emphasize the study of a broad range of literature within historical and cultural contexts. They are designed to give students a foundation for the more advanced courses that focus on particular periods and authors.

### ENGL 201 The Literary Culture of Great Britain I L

A survey of English literature from the Middle Ages to the late eighteenth century.

**Credit: 3 Hours**

### ENGL 202 The Literary Culture of Great Britain II L

A survey of the English literature of the 19th and 20th centuries.

**Credit: 3 Hours**

### ENGL 203 The Literary Culture of the United States I L

A survey of United States literature from the colonial period to the Civil War.

**Credit: 3 Hours**

### ENGL 204 The Literary Culture of the United States II L, W

A survey of the United States literature of the late-19th and 20th centuries. This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

## Conceptual Perspectives

These courses offer a conceptual approach to literature, introducing students to some of the religious, social, scientific, and philosophical ideas that inform authors and enrich their work.

### ENGL 205 Concepts of Postcolonialism L, W, M

A study of cultural notions of power and identity as they inform literature produced by specific cultures emerging from colonialism in the twentieth century.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### ENGL 210 The Bible as Literature L

A study of the themes and forms of biblical texts, including Genesis, Judges, Ruth, and the Gospels.

**Credit: 3 Hours**

### ENGL 215 Myth and Folklore L

A study of world folklore and ancient and classical myths, both Eastern and Western, including works of Homer, Virgil, and Ovid as well as Gilgamesh and The Ramayana.

**Credit: 3 Hours**

### ENGL 220 Concepts of Diversity L, X

A study of concepts of diversity and "otherness" as reflected in poetry, prose, and film. Topics may include race, ethnicity, socioeconomic background, sexuality, and religion.

**Credit: 3 hours**

### ENGL 225 Film as Literature L, W

A comparative study of concepts of narration as they are reflected in literature and film.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### ENGL 230 Literature into Film L, W

A comparative study of short stories, novels, and plays and their film adaptations.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### ENGL 235 Concepts of Gender L, W

A study of cultural notions of gender and sexuality as they are reflected in and constructed by literary texts ranging from the classics to contemporary science fiction.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### ENGL 240 Concepts of Progress W

A historical study of attitudes toward progress as they are reflected in literary and critical texts ranging from Greek myths to contemporary novels.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### ENGL 245 Concepts of Tragedy

A historical study of the concept of tragedy in Western culture as it is reflected in readings ranging from the Bible to modern novels.

**Credit: 3 Hours**

### ENGL 255 Concepts of Nature L, W

A historical study of concepts of nature as they are reflected in readings ranging from the Bible to contemporary poetry, drama, and fiction.

The course has been identified as a writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### ENGL 260 Concepts of Place L, W

A study of cultural notions of place as they inform literature, this course will study a wide range of literary texts representing a particular region.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

## Specialized Perspectives

These courses enable a more narrowly focused study of authors, genres, and critical theory.

### ENGL 320 Introduction to Linguistics Q

The bases of the scientific study of language: the sounds that make

up human languages (phonetics), the combining of sounds (phonology), the structuring of words (morphology), the structuring of sentences (syntax), and the derivation of meaning from words, sentences, and texts (semantics). (Also listed as Linguistics 320.)

**Credit: 3 Hours**

#### ENGL 322 Representative American Writers I

An examination of one American author or a combination of American authors who wrote during the 17th, 18th, or 19th centuries.

**Credit: 3 Hours**

#### ENGL 323 Representative American Writers II

An examination of one American author or a combination of American authors who wrote during the 20th century.

**Credit: 3 Hours**

#### ENGL 324 African-American Literature W,X

The class will study literature produced by African-American authors and theoretical texts dealing with African-American literature with a view toward developing a more complete understanding of American culture and literary movements, developing skills in analysis and interpretation, and enhancing writing skills.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

#### ENGL 336 Studies in the Early American Novel

An examination of selected American novels, by authors ranging from Brown to James, that represent the evolving tradition of novel writing in the United States from the late 18th century to 1900.

**Credit: 3 Hours**

#### ENGL 337 Studies in the Later American Novel

An examination of selected American novels, by authors ranging from Faulkner to Morrison, that illustrate modernist and post-modernist techniques.

**Credit: 3 Hours**

#### ENGL 342 Representative British Writers I L,W

An examination of one British author or a combination of British authors who wrote from the medieval period through the 18th century.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

#### ENGL 343 Representative British Writers II

An examination of one British author or a combination of British authors who wrote during the 19th and 20th centuries.

**Credit: 3 Hours**

#### ENGL 350 Shakespeare L,W

An examination, in the context of the entire canon, of plays representative of the main periods of Shakespeare's development.

The course has been identified as a writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

#### ENGL 356 Studies in the Early British Novel L,W

An examination of selected British novels by authors such as Fielding, Austen, and Hardy who shaped the development of the English-language novel through the late 19th century.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

#### ENGL 357 Studies in the Later British Novel

An examination of selected British novels, by authors ranging from Lawrence to Byatt, that illustrate modernist and post-modernist techniques.

**Credit: 3 Hours**

#### ENGL 360 Studies in British and American Poetry

An examination of significant poets and poetic traditions in British and American poetry.

**Credit: 3 Hours**

#### ENGL 362 Topical Perspectives in Literature

An examination of the fiction, poetry, drama, and/or film that represent a literary movement or critical approach to the study of literature. Topics, which will vary with each course offering, include the Harlem Renaissance, the pre-Raphaelites, and historical images of women in literature.

**Credit: 3 Hours**

#### ENGL 364 Topical Perspectives in Film Study

An examination of a special topic related to film or the relationship of film and literature. Topics, which will vary with each course offering, include the leader on film and men and masculinity in film.

**Credit: 3 Hours**

#### ENGL 372 Literary Theory

An examination of the foundations of literary criticism: its history, methods, and practical applications.

**Credit: 3 Hours**

### Perspectives in Writing

These advanced writing courses represent a variety of types, strategies and styles.

#### WRIT 290 Introduction to Creative Writing W

The study and practice of three genres of creative writing--poetry, fiction, and creative non-fiction--as well as the skill of evaluating work in these genres.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 hours**

#### WRIT 301 Short Fiction Workshop

This course will introduce students to the art of writing short stories. Students will read contemporary short stories from around the globe, write short exercises to jump-start the writing process, and write, workshop, and revise several short stories for their portfolios.

Prerequisite: WRIT 290, Introduction to Creative Writing

**Credit: 3 hours**

#### WRIT 302 Creative Nonfiction W

The study and writing of expository essays with emphasis on the development of purposeful stylistic and organizational strategies. Recommended for students seeking certification in English.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisite: WRIT 290, Introduction to Creative Writing

**Credit: 3 Hours**

**WRIT 303 Poetry Workshop**

Students will work as poets or “makers,” gaining exercise in crafting images, making music, evoking sensations. As apprentice poets, students will read extensively in the field. The selection of poems and poetics assigned for the course is intended to illuminate students’ artistic preferences and to generate new directions for writing.

Prerequisite: WRIT 290, Introduction to Creative Writing

**Credit: 3 hours**

**WRIT 305 Business Writing**

W

Business Writing is designed for sophomore and junior-level EMA majors. Business writing will emphasize problem and audience analysis, formatting and documentation, and the inclusion of visual elements. Students will learn basic formats of various reports, memos, and correspondence. Special attention will be paid to proposals, grants, resumes / cover letters, cross-cultural communication, and writing ethics.

Prerequisite: Sophomore standing

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**WRIT 306 The Rhetoric of Science**

W

This class will introduce students to the discipline of rhetoric as it is applied to scientific writing. Students will read and discuss major works by both scientists and rhetoricians including Aristotle, Charles Darwin, Rachel Carson, James Watson, Stephen Jay Gould, Thomas Kuhn, and Alan Gross.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**WRIT 307 Technical Writing**

W

Technical Writing is designed for junior-level petroleum engineering and geology majors. Technical writing will emphasize problem and audience analysis, formatting and documentation, and the inclusion of visual elements. Students will learn basic formats of technical reports, feasibility studies, instructions, manuals, and resumes / cover letters.

Prerequisite: Junior standing

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**WRIT 308 Persuasive Writing**

W

The application of rhetorical principles in writing credible and persuasive arguments. A unit on grant writing is included.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**WRIT 310 Self-Expression**

The study and practice of modes of life history writing—journal, memoir, autobiography and/or biography.

**Credit: 3 Hours**

**WRIT 312 Topical Perspectives in Writing**

A concentration on specific themes and/or methods of writing such as nature writing or film scripts. Topics will vary with each offering.

**Credit: 3 Hours**

**Senior Perspective**

The final course for the major requires that students put into practice what they have learned about literary criticism, research, and writing.

**ENGL 410 Senior Seminar**

A seminar for senior English majors that focuses on the literature and literary background of a specific century. The topic focus will change each year. Together, students will examine a critical/historical text that offers a perspective on their literary research. Then each student will conduct research on one author or theme relevant to the century. This research should result in a significant paper, which will be presented in a public forum.

**Credit: 3 Hours**

**English Education****ENGL 380 Applications of English for Teaching**

Aspects of English of particular interest to prospective teachers. English linguistics, traditional and structural grammar, and history of language are presented with special application to writing skills of teachers.

**Credit: 3 Hours**

**English as a Second Language**

(See Modern Languages for ESL courses and TEFL certificate)

**Environmental Science**

Department of Biology and Environmental Science

Website: <http://www.marietta.edu/~envr/>

Director of Environmental Science program: Dr. Eric J. Fitch (Eric.Fitch@marietta.edu)

Faculty: Professors: Gregory Delemeester (Economics), Kenneth J. Itzkowitz (Philosophy), David G. McShaffrey (Biology), Steven R. Spilatro (Biology), Frederick R. Voner (Geology)

Associate faculty: Professors: Roger H. Pitasky (Mathematics), Almuth H. Tschunko (Biology); associate professors: David C. Brown (Biology), Timothy C. Catalano (English), David L. Jeffery (Geology), Debra S. Egolf (Chemistry), Dennis E. Kuhl (Physics), Matthew Menzel (Mathematics), Mark A. Miller (Mathematics), Kevin L. Pate (Chemistry), John Tynan (Mathematics), Robert M. Van Camp (Computer Science); assistant professors: Craig Howald (Physics), James R. Jeitler (Chemistry), Katrina Lustofin (Biology), Cavendish McKay (Physics); instructors: Wendy L. Bartlett (Geology), Holly E. Menzel (Mathematics)

Secretary: Judith L. Dunn

Environmental Science and Environmental Studies are emergent fields in the global marketplace. The Environmental Science Program at Marietta College enables students to study the scientific foundations of environmental problems and their solutions as well as the roles that people and institutions play in creating and solving those problems. The program includes majors in Environmental Science (Bachelor of Science) and Environmental Studies (Bachelor of Arts) and minors in Environmental Science and Environmental Studies.

## Environmental Science

Environmental Science is an applied interdisciplinary field that draws heavily upon the Natural Science disciplines with input from the Social Sciences and the Humanities to address problems that arise in the interaction between Human activity and the Environment.

**Requirements for a major in Environmental Science:** Biology 102 or 133, 105, 245 or 340, 318; Chemistry 131, 132, 133, 134, 260 or 303/305 or 377; Environmental Science 210, 330, 335, 391, 491, 492; Environmental Studies 310, 315; Geology 101, 304; Mathematics 223. One course (3hrs.) from Environmental Studies electives: Economics 350; Environmental Studies 233, 311, 320, 350; Leadership 308, 333; Philosophy 321; Writing 306, 307. Two courses (6-8 hrs.) from Environmental Science electives: Biology 202, 230, 311, 312, 378, 450; Chemistry 304/306, 377, 420/422; Computer Science 210; Geology 201, 313; Mathematics 125, 224; Physics 211, 212.

**Computational and Problem-Solving Skills 6 Hours**  
MATH 223  CSCI 210

**Introductory Environmental Science 19 Hours**  
GEOL 101  BIOL 102 OR 133  BIOL 105   
ENVR 210  CHEM 131  CHEM 132   
CHEM 133  CHEM 134

**Intermediate Environmental Science 20/21 Hours**  
BIOL 318  BIOL 245 OR 340   
CHEM 260 OR 303/305 OR 377   
ENVR 330  ENVR 335  GEOL 304

**Environmental Studies 6 Hours**  
ENVS 310  ENVS 315

**Environmental Studies Elective 3 Hours**

**One of the following**  
ECON 350  ENVS 233  ENVS 311   
ENVS 320  ENVS 350  LEAD 308   
LEAD 333  PHIL 321  WRIT 306   
WRIT 307

**Environmental Science Electives 6-8 Hours**  
BIOL 202  BIOL 230  BIOL 311   
BIOL 312  BIOL 378  BIOL 450   
CHEM 304/306  CHEM 377   
CHEM 420/422  CSCI 210  GEOL 210   
GEOL 313  MATH 125  MATH 224   
PHYS 211  PHYS 212

**Environmental Professional Practice and Experiential Learning 4 Hours**

**Experiential Learning 1 Hour**  
ENVR 391

**Senior Capstone 3 Hours**  
ENVR 491  ENVR 492

**Total 60 Hours**

**Requirements for a minor in Environmental Science:** Biology 102, 105; Chemistry 101; Environmental Science 210; Environmental Studies 310; Geology 101; one course from among Biology 318, Computer Science 210, Environmental Science 305, Environmental Studies 315, 350, Geology 304.

Students entering the minor are expected to have Mathematics 121 or the equivalent.

## Environmental Studies

Environmental Studies is an applied interdisciplinary field which draws heavily upon the Social Science disciplines with inputs from the Natural Sciences and Humanities to address problems that arise in the interaction of Social, Political and Cultural systems and the Environment.

**Requirements for a major in Environmental Studies:** Biology 102, 105, Chemistry 101, Computer Science 210, Economics 350, Writing 306, Environmental Science 210, 491, 492, Environmental Studies 310, 315, 391, Geology 101, 304, Mathematics 123 or Psychology 285, Philosophy 321, and two courses from Environmental Studies 311, 320, 350, and Leadership 308, 333. (Note Economics 350 has a prerequisite of Economics 211 or permission of instructor)

**Foundations in Environmental Science 15 Hours**  
GEOL 101  BIOL 102  BIOL 105   
CHEM 101  ENVR 210

**Computational and Problem-Solving Skills 9-10 Hours**  
MATH 223  OR PSYC 285   
CSCI 210  GEOL 304

**Environmental Studies 18 Hours**  
ECON 350  ENVS 310  ENVS 315   
PHIL 321

**Elective: Two of the following**  
ENVS 233  ENVS 311  ENVS 320   
ENVS 350  LEAD 308  LEAD 333

**Environmental Professional Practice and Experiential Learning 4 Hours**  
WRIT 306  ENVS 391

**Senior Capstone 3 Hours**  
ENVR 491  ENVR 492

**Total 49-50 Hours**

**Requirements for a minor in Environmental Studies:** Economics 350 (Note: Economics 350 has a prerequisite of Economics 211 or permission of instructor); Environmental Studies 310, 315; Geology 304; Philosophy 321; three courses from Environmental Studies 320, 350, Leadership 308, 333.

## Environmental Science Courses

ENVR 210 Introduction to Environmental Science C

As a gateway to the Environmental Science and Environmental Studies degree programs, this course is intended for students who have two semesters of introductory level Biology, Geology or Chemistry. The course covers sustainable development, demography and the impact of population on the environment, nonrenewable and renewable energy, toxicology, and risk analysis from social, economic, public policy and scientific perspectives.

**Credit: 3 Hours**

**ENVR 330 Environmental Sustainability: Pollution Control, and Technologies & Techniques for Creating Sustainable Societies**

Examines sources and sinks of environmental pollution. Reviews technologies and techniques for pollution control, waste management, and the 3Rs: Reduce, Reuse, Recycle. Exploration of Life Cycle Analysis of technology, techniques and social pathways to enable a transition to Sustainability: Local to Global.

Prerequisites: BIOL 102 or 133 and GEOL 101

**Credit: 3 Hours**

**ENVR 335 Hydrology**

This course provides a quantitative study of hydrology encompassing the occurrence, distribution, movement and properties of water as it interacts with the environment during each stage of the hydrologic cycle. Additional emphasis will be placed on water quality monitoring, groundwater contamination and remediation, and the measurement of aquifer properties using pressure transient testing methods.

Prerequisites: Mathematics 224, Geology 101 or 111.

Recommended: Computer Science 210.

**Credit: 3 Hours**

**ENVR 391 Experiential Learning**

P-I-R option [Practicum, Internship or Research] credit assessed under this course. Each student's proposed field experience/research is to be approved by the program director and the student's advisor. Field supervision is to be performed by the program director, faculty advisor or another faculty member in conjunction with the host firm, agency or department. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Environmental Science majors.

**Credit: 1 Hour**

**ENVR 491 Environmental Problem-Solving I**

Students (normally working in teams) pursue "original" hands-on research related to a local environmental problem. Students apply interdisciplinary knowledge to research the problem and recommend possible solutions. This portion of the course is largely devoted to investigating the problem both in the field and in the literature. Culmination of this experience is in Environmental Science 492. This course is required of all Senior Environmental Science and Environmental Studies.

Prerequisites: Environmental Science or Environmental Studies majors and senior status.

**Credit: 1 Hour**

**ENVR 492 Environmental Problem-Solving II**

Research performed in Environmental Science 491 is completed and presented in a formal seminar and in a written report. This course is required of all Senior Environmental Science and Environmental Studies majors. (Continuation of Environmental Science 491)

Prerequisite: Environmental Science 491.

**Credit: 2 Hours**

**Environmental Studies Courses****ENVS 233 Religion and Nature**

X

Religion and Nature is a survey course dealing with the diversity of religious worldviews on the natural environment. The course will begin with a broad overview of the historical and current interactions of faith and the natural world. The course then reviews worldviews of indigenous religions, south Asian religions, Buddhism, Chinese

Traditions, Japanese Traditions, Judaism, Christianity, Islam, and Emerging Religions. The third component course area will deal with recent and emerging trends including but not limited to: ecocentrism and radical environmentalism, ecofeminism, sustainability, liberation theology, earthkeeping, new cosmologies/Gaia, globalization, community and ecojustice. (Also listed as Religion 233).

**Credit: 3 Hours**

**ENVS 310 Environmental Policy and Law**

Y

Policies and politics of environmental protection and natural resource use are explored in this course. Origin and development of environmental law are examined with special emphasis on the role of the Public Trust Doctrine, Police Power, and traditions of Preservation and Conservation under law. The development and implementation of the National Environmental Policy Act and other key federal statutes are addressed. Principles governing regulatory compliance and execution of key natural resource and environmental management tasks at the federal and state levels are considered.

**Credit: 3 Hours**

**ENVS 311 Politics of Global Ecology**

M

Explores the range of conventions, treaties and other arrangements in international law and politics for the management and protection of global environmental resources. Particular attention is paid to the international laws regarding Antarctica, the Open Seas, the Atmosphere, Biodiversity, Transboundary Resources (including the Great Lakes, boundary river systems, and pelagic and diadromous species), and Outer Space. (Also listed as Political Science 311.)

**Credit: 3 hours**

**ENVS 315 Environmental Impact and Resource Assessment**

Y

History, philosophy and legal authority for the environmental impact assessment process are reviewed in this course. Environmental site assessment and auditing are examined. Linkages between federal and state regulatory matrices and impact assessment are addressed. Methods and techniques for conducting analyses are discussed. Risk analysis, social and economic impact assessment, technology assessment, and other assessment techniques are explored. Project management and data use are considered.

**Credit: 3 Hours**

**ENVS 320 Science, Technology and Society**

K,Y

This course examines the meaning and impact of scientific discovery and technological innovation upon society. Economic and sociological issues and impacts will be examined as well, with special emphasis on the theory of scientific revolution and diffusion of innovation. Political, managerial/economic and social leadership regarding science and technology will be examined.

**Credit: 3 Hours**

**ENVS 350 Land-Use Planning**

Y

This course is designed to provide students with a survey of issues in planning theory, practice and application. Programmatic and regulatory factors surrounding land-use are described and related to preservation, conservation and management of land resources. Design and implementation of the built human environment and infrastructure, and its relationship to land will be explored. Students will be shown how governments deal with environmental quality, economic development, growth management, coastal zone management and related issues in the context of land resources. Students will be exposed to principles governing regulatory compliance and execution of key land-

use management tasks at the local, regional, state and national levels. To effectively accomplish this, class periods will be split between lecture and discussion. Offered alternate years.

*Credit: 3 Hours*

### ENVS 391 Experiential Learning

P-I-R option [Practicum, Internship or Research] credit assessed under this course. Each student's proposed field experience/research is to be approved by the program director and the student's advisor. Field supervision is to be performed by the program director, faculty advisor or another faculty member in conjunction with the host firm, agency or department. (Graded "satisfactory/unsatisfactory.")

Prerequisite: Environmental Studies Majors

*Credit: 1 Hour*

## Courses Taught in Other Departments Used in the Environmental Science Program

- Biology 102 Environmental Biology
- Biology 105 Introductory Biology Laboratory
- Biology 133 Integrative Biology
- Biology 202 General Microbiology
- Biology 230 Zoology
- Biology 245 Environmental Toxicology
- Biology 311 Flowering Plants
- Biology 312 Lower Plants
- Biology 318 Ecology
- Biology 340 Toxicology
- Biology 378 Field Biology Techniques
- Biology 450 Aquatic Biology
- Chemistry 101 Modern Chemistry
- Chemistry 131 General Chemistry I
- Chemistry 132 General Chemistry II
- Chemistry 133 General Chemistry I Lab
- Chemistry 134 General Chemistry II Lab
- Chemistry 260 Organic and Biological Chemistry
- Chemistry 303 Organic Chemistry I
- Chemistry 304 Organic Chemistry II
- Chemistry 305 Organic Chemistry Laboratory I
- Chemistry 306 Organic Chemistry Laboratory II
- Chemistry 377 Environmental Chemistry
- Chemistry 420 Biochemistry
- Chemistry 422 Biochemistry Laboratory
- Computer Science 210 Scientific Computing and Problem Solving
- Economics 350 Environmental Economics
- Writing 306 The Rhetoric of Science
- Geology 101 Environmental Geology
- Geology 202 Mineralogy and Petrology
- Geology 304 GIS/GPS Mapping and Analysis
- Geology 313 Sedimentation and Stratigraphy
- Leadership 308 Science and Public Policy
- Leadership 333 Leaders in Environmental Activism
- Mathematics 125 Calculus I
- Mathematics 223 Statistics for Natural and Social Sciences
- Mathematics 224 Calculus II
- Philosophy 321 Environmental Ethics
- Physics 211 College Physics I

- Physics 212 College Physics II
- Writing 306 The Rhetoric of Science
- Writing 307 Technical Writing

## European Studies

(See Area Studies for minor)

## Finance

(See Business & Economics for major and minor)

## First Year Courses

Assistant Dean for the First Year Seminar and Advising: Dr. Suzanne H. Walker (Suzanne.Walker@marietta.edu)

Except as noted below, the following courses are required of all students as part of the College's General Education requirements. Once a student is enrolled in FYSE 101, FYSE 102, COMM 101, or WRIT 101, s/he may not withdraw from the course. See "Special Rules for First-Year Courses" in the Graduation Requirements section. Additionally, students can choose to enroll in one of several First Year Learning Communities offered each year.

### FYE 101 First Year Experience Course

The First Year Experience course is a specially designated 100 or 200 level course designed to engage students in college level learning, which often means learning on one's own to a degree greater than was true in high school. Taken during the first semester, the course introduces first year students to the important skills of critical thinking in the context of a class small enough to encourage discussion and interaction. Many FYE course are part of learning communities, helping students to form and deepen friendships by sharing more than one class together. Academic advising is organized through FYE and through other required freshmen courses. The FYE course may introduce a discipline, fulfill a general education requirement, or explore an issue or topic from one or more disciplinary perspectives. The course is graded with a letter grade, A-F. (Students transferring from other colleges with 25 or more credits are exempt from this requirement. This exemption does not apply to students who took college level courses while enrolled in high school.)

*Credit: 3 hours*

### FYE 102 College Life and Leadership Lab

The College Life and Leadership Lab helps students to develop the skills and habits of a citizen leader, to value accountability to the community, personal ownership, and self-governance.

As part of the First Year Program, the course is designed to help students meet their responsibilities and make a successful transition to the world of higher education. The course is graded Pass or letter grade F, P/F, and may not be repeated. The course is optional for the general college population. Students designated by Admissions and the Director of the Academic Resource Center as "At-Risk" are

required to take the course. International students are required to take a special cultural transitions section of the course.

**Credit: 1 hour**

### COMM 101 Fundamentals of Oral Communication

Principles of informing and persuading the listener through logical organization, use of evidence and motive appeals, effective verbal and nonverbal communication. Required of all students; course must be taken until completed with a grade of C- or better.

**Credit: 3 hours**

### WRIT 101 English Composition

The study and writing of expository essays with attention to the development of research and analytical skills. Required of all first-time students without advanced placement standing in composition. This course must be taken until completed with a grade of C- or better.

Prerequisite: SAT Verbal > 449 or ACT English > 18 or completion of WRIT 060 with a C- or better.

**Credit: 3 hours**

### HONR 101, HONR 201, HONR 202.

These courses are open only to first year students in the College Honors Program and satisfy requirements for FYE 101, WRIT 101, and COMM 101, respectively.

### Learning Communities

Each year a variety of learning communities is offered for freshmen. Learning communities provide students an opportunity to find greater coherence in what they are learning and greater interaction with faculty and peers through the linking of two or three typical freshmen courses. For example, a student might take a learning community with other students in which they are in the same sections of FYE 101 and COMM 101 or WRIT 101.

Other models include a linked FYE 101 and POLS 130 course or a linked MASS 101 and COMM 101 course. Residential learning communities are also available where students live together in addition to being enrolled in the learning community courses.

## French

(See Modern Languages for minor)

## Gender Studies

Director of program: Dr. Mary Barnas (barnasm@marietta.edu)  
Professors: Kenneth J. Itzkowitz (Philosophy), James H. O'Donnell (History), Mabry M. O'Donnell (Communication), Stephen M. Rader (Theatre); associate professors: Janet Bland (English), Jacqueline Khorassani (Economics), Kathryn McDaniel (History), Janie Rees-Miller (Modern Languages), Luding Tong (Modern Languages); Assistant Professors: Dawn Carusi (Communication), Jeffery Cordell (Theatre); Lecturers: Kathy Wolfe-Crouser, Amanda Haney-Cech

The Gender Studies program provides opportunities for the student to investigate and analyze the ways gender and biological sex have influenced individuals, societies, cultures, and human thought in the past and to seek to understand these same dimensions in the present.

In particular, opportunities will be given to

- learn how concepts of gender influence social and interpersonal behavior
- recognize how sexuality can influence social and personal decisions
- grasp how social constructs (legal, political, religious systems) attempt to regulate human sexuality
- become familiar with various men's and women's groups and gain an understanding of what men and women seek from membership in these groups
- gain an understanding of how and why tensions arise between these groups
- explore one's own gender role and identity
- acquire empathy toward the various and often differing individual definitions of 'womanhood' and 'manhood'
- examine the impact of gender identity on human relations historically and cross culturally

**Requirements for a minor in Gender Studies:** Gender Studies 150, Psychology 150, plus four courses from the following areas (but not more than two from each area):

- A: Economics 325, Gender Studies 350, Linguistics 232, Political Science 306, Psychology 225;
- B: Chinese 370, English 235, Philosophy 241, Gender Studies 325, 380, History 329;
- C: Art History 373, Communication 319, 380 (when topic is Gender and Communication), Theatre 350 (when topic is Gay Drama)

Courses which have been approved as Gender Studies courses are identified with a "Z" in the course listings distributed each semester by the Records Office.

## Gender Studies Courses

### GEND 150 The Naked Person!

X, W

The Naked Person focuses on both sociocultural and biological constructions of the gender roles of women and men by stripping away preconceived stereotypes. This course covers fundamental terms, theories, and concepts pertaining to gender studies. Feminist theory is used to examine such issues as: feminism, gender socialization, sexual orientation, education, mass media, economic and political systems, marriage and family, violence, health care, and religion. This course primarily focuses on American gender construction, but also addresses gender construction globally.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### GEND 325 American Leaders in Gender Issues

K, X, W

This course examines the writings and lives of American gender leaders from the Seneca Falls Convention through the present. Particular attention will be paid to the work done by Elizabeth Cady Stanton and Susan B. Anthony, Charlotte Perkins Gilman, Ann Douglas Wood, Betty Friedan, Gloria Steinem, Camille Paglia, Naomi Wolf, and Susan Faludi. Major leaders in the American Gay Rights Movement will also be studied. Opposing perspectives will be examined and students will be challenged to think about their viewpoints, and how they can become leaders in the struggle to ensure equality for

everyone's rights.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**GEND 350 Gender in the Workplace** X

Although women have made progress toward equality in the workplace, gender issues continue to surface in today's work environment. How are these issues best confronted? This course is designed to help students and employees gain a hands-on understanding of gender issues in the workplace and to provide the necessary tools to handle them. Based on actual legal cases, nationally reported incidents and personal interviews, the case studies address the range and types of gender issues including: gender stereotypes about certain categories of work; gender discrimination (hiring, compensation, advancement); career development issues; balancing work and family responsibilities; and sexual harassment.

**Credit: 3 Hours**

**GEND 380 Sex and Power** K, W

Through films and drama this course examines the connection between women, men, sex, and power, to include both examples of women & men who historically used sex as a means of advancing their goals and also those men and women who have been victimized by exploitation of their sexuality. After a review of a taxonomy of power definitions and commentary on power, case studies of women & men will be explored, along with different notions of what a woman's/man's sexuality 'is/should be'.

Prerequisite: Gender Studies 150

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### Courses used in the Gender Studies Minor

Art History 373 Women in the Visual Arts	
Chinese 370 East Asian Cultures through Film	M, P, W
Communication/History 319 Notable American Women	K, P
Communication 380 Topics in Communication (when topic is iGender and Communication)	
Economics 325 The Economics of Gender	X
English 235 Concepts of Gender	L, W
History 329 European Feminism and European Tradition	
Linguistics 232 Language, Gender and Culture	M, X
Philosophy 241 Philosophy of Sex and Love	X
Political Science 306 Women and U.S. Politics	K, X
Psychology 150 Human Sexuality	
Psychology 225 Psychology of Gender	X
Theatre 350 Topics in Dramatic Literature (when topic is iGay Drama)	L, R

## Geology

Department of Petroleum Engineering and Geology

Website: <http://www.marietta.edu/~geol/>

Chair: Dr. Robert W. Chase (Bob.Chase@marietta.edu)

Professor: Frederick R. Voner; associate professor: David L. Jeffery;

Lecturers: Veronica Freeman, Wendy Bartlett

Secretary: Laura Pytlík

**Requirements for major in Geology:** Thirty-four hours of Geology and geology related petroleum engineering courses, including 22 hours of required courses (Geology 111, 112, 201, 202, 413, Petroleum 216 and 301) and 12 hours of elective courses chosen from Geology 104, 304, 306, 313, 322, 326, Petroleum 343, and Environmental Science 335. Required supporting sciences: Chemistry 8 hours (131, 132, 133, 134), either 8 hours of Biology (101, 102, 105, 106) or 8 hours of Physics (221, 222), 4 hours of Mathematics (125) and 3 hours of Computer Science (210). Required writing course: 3 hours (Writing 307). Recommended but not required: two years of a foreign language, an approved summer Geology field course, additional upper-level courses in Biology, Chemistry, Computer Science, Mathematics, and/or Physics. Capstone Geology 413.

### Required Courses

GEOL 111 <input type="checkbox"/>	GEOL 112 <input type="checkbox"/>	<b>17 Hours</b>
GEOL 202 <input type="checkbox"/>	PETR 216 <input type="checkbox"/>	GEOL 201 <input type="checkbox"/>

### Chemistry

CHEM 131,133 <input type="checkbox"/>	CHEM 132,134 <input type="checkbox"/>	<b>8 Hours</b>
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### English

WRIT 307 <input type="checkbox"/>	<b>3 Hours</b>
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### Mathematics - Computer Science:

MATH 125 <input type="checkbox"/>	CSCI 210 <input type="checkbox"/>	<b>7 Hours</b>
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### Geology Electives:

**Twelve hours from the following** **12 Hours**

GEOL 104 <input type="checkbox"/>	GEOL 304 <input type="checkbox"/>	GEOL 306 <input type="checkbox"/>
GEOL 313 <input type="checkbox"/>	GEOL 322 <input type="checkbox"/>	GEOL 326 <input type="checkbox"/>
PETR 343 <input type="checkbox"/>	ENVR 335 <input type="checkbox"/>	

### Biology - Physics Elective: either

BIOL 101 AND 105 <input type="checkbox"/>	BIOL 102 AND 106 <input type="checkbox"/>	<b>8 Hours</b>
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OR

PHYS 221 AND 222 <input type="checkbox"/>	
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### Senior Capstone

GEOL 413 <input type="checkbox"/>	<b>3 Hours</b>
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### Total

**58 Hours**

**Requirements for a minor in Geology:** Geology 101 or 111, 112, 201, and six hours chosen from any other advanced course with departmental approval, 1 hour chosen from 306, 395, or 396.

## Geology Courses

**GEOL 101 Environmental Geology** B

Introduction to science of geology as it relates to human activity. How geologic processes and hazards influence human activities; geologic aspects of pollution, and other related topics. Laboratory activities include identification of minerals and rocks, recognition of surface features on topographic maps, and integration and interpretation of this data. Offered fall semester or as enrollment demands.

**Credit: 4 Hours.**

**GEOL 104 Dinosaurs**

C

Topics include the bone anatomy and classification of more than 30 common genera of dinosaurs, how they were preserved and how they lived, how they are extracted from the earth, government permits, footprints, coprolites, eggs and babies, sexual activities, and extinctions. Dinosaur models, colored slides of Marietta College dinosaur expeditions and movies will be used. The informal laboratory work consists of removing bones from plaster jackets, cleaning and gluing bones and their identification. Lab time will be arranged on an individual basis.

*Credit: 3 Hours***GEOL 111 Physical Geology**

B

Minerals and rocks; natural processes operative in forming surface of earth and structural features of earth's crust. Laboratory work consists of study of common minerals and rocks and use of topographic maps and aerial photos in interpretation of surface features.

*Credit: 4 Hours.***GEOL 112 Historical Geology**

B

History of earth traced from beginning to present, emphasizing geology of eastern states. Environments where sedimentary rocks were deposited studied through time. Evolution of major groups of animals and plants stressed. Laboratory work consists of identification of fossils and interpretation of geologic maps.

Prerequisite: Geology 101 or 111.

*Credit: 4 Hours.***GEOL 201 Earth Resources**

A comprehensive study of earth resources including soil, fossil fuels, alternative fuels, metals, and industrial rocks and mineral resources and environmental impact of resource exploitation and use.

Prerequisite: Geology 101 or 111.

*Credit: 3 Hours***GEOL 202 Mineralogy and Petrology**

A comprehensive study of the most important rocks and rock-forming minerals: Includes the description, classification, genesis, and geologic significance of igneous, sedimentary, and metamorphic rocks. Laboratory work consists of basic optical mineralogy as well as megascopic and microscopic and petrography.

Prerequisites: Geology 111 and 112

*Credit: 4 Hours.***GEOL 304 Introduction to GIS Mapping and Analysis**

An introduction to Geographic Information Systems with emphasis on practical applications to earth and environmental science. A "hands on" course in which participants use GIS software to complete a series of projects.

Prerequisites: Geology 101 or 111 and Computer Science 210

*Credit: 3 Hours***GEOL 306 Demonstration Field Trip**

One-to-two-week field trip taken in May to various localities in United States or Canada. Written reports required.

Prerequisite: Written permission of department.

*Credit: 1 or 2 Hours.***GEOL 313 Sedimentation and Stratigraphy**

Fundamental principles of sedimentation and stratigraphy. Sedimentary processes, products, and structure. Offered alternate years.

Field trip required as part of this course.

Prerequisite: Geology 112.

*Credit: 3 Hours***GEOL 322 Invertebrate Paleontology**

Systematic classification of invertebrate fossils, their geologic range, distribution, and habitat, and use of guide fossils in age determination of geologic formations. Offered alternate years.

Prerequisite: Geology 112. Recommended prerequisite: Biology 102.

*Credit: 3 Hours***GEOL 326 Petroleum Geology**

The geological aspects of exploration, development, and evaluation of petroleum reservoirs. Includes well-site evaluation; techniques of subsurface mapping; theories of origin, evolution, migration, and trapping of hydrocarbons; estimates of reserves; introduction to reflection seismology. Emphasis on geographic and geologic localities of current industrial interest. Practical problems and mapping exercises included.

Prerequisites: Geology 111 and 112

*Credit: 4 Hours.***GEOL 413 Geology Capstone**

A directed field or laboratory field based research project on some aspect or problem in geology, or a supervised internship with a public or private enterprise that applies to geology or a related field of earth science. Students must present an oral summary of their project results or internship and prepare a written report. All projects or internships must be initiated with a proposal and approved by the instructor. Students should begin planning for this course by consulting with a faculty member early in the semester prior to their senior year.

Prerequisites: permission of instructor (offered to seniors who have completed most of the requirements for a major in geology)

*Credit: 3 Hours*

## Graphic Design

(See Art for major)

## Health and Physical Education

Director of Athletics: Mr. Larry R. Hiser

Chair: Ms. Jeanne Arbuckle (Jeanne.Arbuckle@marietta.edu)

Instructors: Brian Brewer, Ray Costa, Danika Cox, Michael Deegan, Denny Dorrel, Jeff Filkovski, Kelly Harris, Patrick Holguin, Mark Jochum, Jill Meiring, Drew Mohr, Chris Pucella, Stephen Rose, Derek Stanley, Turner Pugh, Jon VanderWal, Brent Wilkerson

Administrative Assistant: Wendy J. Thieman

The department offers a minor in sports management in conjunction with the department of Business and Economics. In addition, the department identifies its role as providing all students with the opportunity to pursue a wide range of elective courses in the area of lifetime sports and wellness.

## Lifetime Activity Courses

Students may apply up to 4 hours of credit toward the minimum hours required for graduation in any combination of the following courses: lifetime activities or varsity sports. (See rule governing varsity sports below.) All of the activity courses carry 1 hour of credit, unless otherwise indicated.

Most physical education activity classes meet during the first 10 weeks of the semester. The add-drop periods for such courses are prorated by the chair of the Department of Health and Physical Education.

- 101 Aerobic Running
- 116 Golf
  - Fee: \$50
- 117 Tennis
- 119 Bowling
  - Fee: approx. \$5 per class.
- 121 Racquetball
- 123 Badminton
- 125 Personal Fitness
- 127 Hatha Yoga I
- 210 Rowing
  - Fee: \$15.

## Varsity Sports

Students may apply up to 2 hours of credit toward the minimum hours required for graduation in any combination of varsity sports. Each course offers 1 hour of credit.

- 228, 268 Football (Men)
- 229, 269 Soccer (Men/Women)
- 230, 270 Cross Country (Men/Women)
- 232, 272 Basketball (Men/Women)
- 233, 273 Baseball (Men)
- 234, 274 Volleyball (Women)
- 235, 275 Track and Field (Men/Women)
- 237, 277 Tennis (Men/Women)
- 238, 278 Softball (Women)
- 239, 279 Crew (Men/Women)

## Health Science Courses

### HSCI 201 Standard First Aid/ Cardiopulmonary Resuscitation

Successful completion of the course could lead to certification in American Red Cross Standard First Aid and Cardiopulmonary Resuscitation.

*Credit: 1 Hour*

### HSCI 202 Instructor Certification in First Aid/CPR

Includes Introduction to Health Services Education and Standard First Aid and Cardiopulmonary Resuscitation Instructor courses.

Prerequisite: current certification in Standard First Aid and Cardiopulmonary Resuscitation.

*Credit: 1 Hour*

## Physical Education & Sports Management Courses

### PHED 133 Concepts of Wellness

The course provides an overview of wellness. Students will develop

an understanding of wellness and how it is a continual balance of different dimensions of human needs. The students will have an opportunity to design individualized programs for themselves and others to reach the optimal level of wellness. Wellness is a process that is continually developed. The course links the development of the dimensions of wellness in regard to health, stress, nutrition, disease prevention and substance abuse.

*Credit: 3 Hour.*

### PHED 220-226 Rules and Officiating of Team Sports

Offered when warranted by academic requirements or student interest.

*Credit: 1 Hour each sport.*

- 220 Football (Men)
- 221 Basketball (Men/Women)
- 222 Baseball (Men)
- 224 Soccer (Men/Women)
- 226 Volleyball (Women)

### PHED 240-249 Philosophy and Methods of Coaching

Theory and methods of coaching, including technical, administrative, and organizational aspects of process. Emphasizes fundamentals, tactics, conditioning, conduct of practice sessions, match and tournament organization, and budget planning. Offered when warranted by academic requirements or student interest.

*Credit: 1 Hour each sport.*

- 240 Football (Men)
- 241 Basketball (Men/Women)
- 242 Soccer (Men/Women)
- 243 Crew (Men/Women)
- 244 Baseball (Men)
- 245 Volleyball (Women)
- 246 Softball (Women)
- 247 Cross Country
- 248 Track
- 249 Tennis (Men/Women)

### PHED 319 Theory and Practice of Elementary School Activities

Values, objectives, methods, trends, and practice in teaching basic movement, mimetics, storytelling, social games, singing games, rhythms, and games of low organization. Includes one-hour weekly practicum in public or parochial schools.

Prerequisite: Education 202.

*Credit: 3 Hours*

### PHED 325 Stress Management

Nature and physiology of stress. Role of stress as related to human functioning. Several widely used stress management techniques considered. Lecture/discussion with learning and practicing stress management techniques. This course includes a service-learning component.

*Credit: 3 Hours*

### PHED 328 Psychological Perspectives in Sports

Focuses on variety of psychological variables related to understanding and improvement of sport performance. Mental imagery, attention, concentration, cognitive strategies, anxiety, motivation, arousal, personality, cohesiveness, and other variables will be discussed.

*Credit: 3 Hours*

### PHED 330 Sports Management

An introduction to sports management. All students will acquire

an understanding of the importance of management concepts and principles and their application to the sports industry, become familiar with the technical language associated with the field, and learn when and where to seek and find more information about sports management issues. Issues in human resource management, financial management, and business policy as they affect sports management are also discussed. (Also listed as Management 330).

Prerequisite: Junior or Senior Standing

**Credit: 3 Hours**

### PHED 332 Legal Issues in Sport

This course is designed to address legal issues in physical education and sport management. Areas covered include the history of law in sport, negligence, tort, constitutional and labor laws as they apply to sport.

**Credit: 3 Hours**

### PHED 334 Sport Facility & Event Management

This course is designed to provide the student with a comprehensive understanding of the concepts, theories, principles and procedures involved in the design, planning and furnishing of sport facilities. In addition, the student will understand the aspects associated with developing, implementing and running sporting events.

**Credit: 3 Hours**

### PHED 336 Sports Marketing

Examines the various publicity, promotion and public relations responsibilities, duties and challenges faced by those seeking careers in college and professional sports promotion and information. Course will include development of all aspects of a major sports event.

Prerequisite: Mass Media 207. Recommended prerequisite: Mass Media 230 or 310.

**Credit: 3 Hours**

### PHED 497 Internship in Physical Education or Sports Management

Designed to enrich educational experience of student by placing him or her in environment which provides professional and practical experience and opportunity to observe concepts and principles studied in minor applied in actual setting during summer or academic year. Includes orientation and debriefing sessions, student reports, employer reports, and faculty evaluations. Graded on "satisfactory/unsatisfactory" basis.

Prerequisite: Approval of department chair.

**Credit: 1 to 3 Hours.**

## Health Science

(See Biology for major)

## History

Department of History, Philosophy, Political Science, and Religion

Website: <http://www.marietta.edu/~hist/>

Chair: Dr. Matthew Young (Matt.Young@marietta.edu)

Professors: James H. O'Donnell, Jean A. Scott; associate professor:

Kathryn N. McDaniel; assistant professor: Ihor Pidhainy

Secretary: Paula R. Lewis

The mission of the Department of History is to provide coursework in history for both majors and non-majors which will give students access to the virtually limitless realm of human experience. Students' personal perspectives thus will be broadened and they will be set on the path toward responsible citizenship in a democratic society. The history program will also help students become more effective communicators and will increase their ability to acquire, interpret and derive meaning from a variety of historical texts. Finally, students will become discerning connoisseurs of different ideas and sources of information. Those who graduate with a major in history will have moved beyond information and knowledge to an understanding of how historians do their work and what it means to be a historian. In short, they will be prepared to teach the discipline, succeed in graduate programs or work in other capacities as professional historians.

In addition to offering a major and a minor in History, the department participates in the interdisciplinary minors in Asian Studies, European Studies, and Latin American Studies. The minors are described under "Area Studies" elsewhere in this section of the Catalog.

**Requirements for a major in History: Eighteen (18) hours in American history and 18 hours in European and/or non-Western history; plus History 402.**

### American History

		18 Hours
HIST 101 <input type="checkbox"/>	HIST 102 <input type="checkbox"/>	HIST 301 <input type="checkbox"/>
HIST 302* <input type="checkbox"/>	HIST 303* <input type="checkbox"/>	HIST 307 <input type="checkbox"/>
HIST 310 <input type="checkbox"/>	HIST 312 <input type="checkbox"/>	HIST 316 <input type="checkbox"/>
HIST 317 <input type="checkbox"/>	HIST 319 <input type="checkbox"/>	HIST 320* <input type="checkbox"/>
HIST 322 <input type="checkbox"/>		

\*THESE COURSES CAN SERVE EITHER THE AMERICAN HISTORY OR THE EUROPEAN/NON-WESTERN REQUIREMENT, BUT NOT BOTH.

### European and Non-Western History

		18 Hours
HIST 120 <input type="checkbox"/>	HIST 121 <input type="checkbox"/>	HIST 220 <input type="checkbox"/>
HIST 252 <input type="checkbox"/>	HIST 253 <input type="checkbox"/>	HIST 327 <input type="checkbox"/>
HIST 329 <input type="checkbox"/>	HIST 330 <input type="checkbox"/>	HIST 339 <input type="checkbox"/>
HIST 340 <input type="checkbox"/>	HIST 349 <input type="checkbox"/>	HIST 352 <input type="checkbox"/>
HIST 354 <input type="checkbox"/>	HIST 356 <input type="checkbox"/>	HIST 358 <input type="checkbox"/>
HIST 359 <input type="checkbox"/>	HIST 360 <input type="checkbox"/>	HIST 376 <input type="checkbox"/>

### Senior Capstone

HIST 402 <input type="checkbox"/>	<b>3 Hours</b>
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### Total

**39 Hours**

**Recommended for prospective graduate school students:** Two foreign languages.

**Recommended for prospective law school students:** Accounting 201 and 202.

**Requirements for a minor in History:** 9 hours in American and 9 hours in European and/or non-Western history.

## History Courses

HIST 101 U.S. History, The First Century

P

Emphasizes social, economic, and political developments in the U.S. from 1775 to 1890, plus the emergence of the U.S. into the world of nations, appreciation of America's heritage, and an introduction to the questions of historiography.

**Credit: 3 Hours**

**HIST 102 U.S. History, The Second Century** P

Emphasizes social, economic, and political developments in the U.S. from 1890 to the present, understanding the maturation of the U.S. as a world power and our American heritage, plus an introduction to historiography.

*Credit: 3 Hours***HIST 120 History of World Civilizations: 1100-1815** M,P

A survey of the important events, people, and ideas in world history from the twelfth century to the end of the Napoleonic Wars. Emphasizes the creation of global networks and the eventual dominance of European powers.

*Credit: 3 Hours***HIST 121 History of World Civilizations: 1815 to Present** M,P

A survey of the important events, people, and ideas in world history in the modern era. Emphasizes the formation and destruction of European empires, technological and social developments throughout the world, and current world problems related to historical issues.

*Credit: 3 Hours***HIST 220 Introduction to Human Geography** M,P

Introduction to the discipline of human geography, the study of where and why human activities are located where they are. The course is designed around important issues within the field of human geography, including globalization, population, religion, language, resource issues, and development.

*Credit: 3 Hours***HIST 252 History of Britain to 1714** P,W

Political and cultural study of Britain in the pre-modern era. Emphasizes the effects of invasions, the consolidation of power, religious and cultural battles, and literary and intellectual developments. Includes interpretation of such major events as the Viking Invasions, Norman Conquest, Hundred Years' War, Renaissance and Reformation, English Civil War, and Glorious Revolution.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours***HIST 253 History of Britain, 1714-the Present** P,W

A study of Britain in the modern era, focusing on political and cultural developments. Emphasizes such themes as the growth of political stability, the age of revolutions and reform, Victorians and imperial conquests, the British experience of the world wars, and the social and cultural conflicts of contemporary Britain.

This course is not open to students who have already completed History 251, except where the student wishes to repeat the course and replace the earlier grade under the College policy.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours***HIST 301 Founding a New Nation**

Beginnings and development of British colonies, course of American Revolution, and adoption of Constitution in 1789.

*Credit: 3 Hours***HIST 302 Leadership and Change: Studies in Historical Biography** K,P

Leaders whose lives and work have brought change. Readings in primary sources about persons such as Moses, Esther, Alexander,

Leonardo, Elizabeth I, Luther, Voltaire, Catherine, Darwin, Freud, Einstein and Mao Zedong.

Prerequisite: Sophomore standing.

*Credit: 3 Hours***HIST 303 Women in Judeo-Christian Tradition** P

Status of women in history of Christianity from biblical times to present day. (Also listed as Religion 303.)

*Credit: 3 Hours***HIST 307 Civil War and Reconstruction** P

Examines the nation's crisis from secession of South Carolina through years of war and period of Reconstruction.

*Credit: 3 Hours***HIST 310 History of Religion in the United States** P

Influence and interplay of multiple branches of Judeo-Christian religion in history of United States. (Also listed as Religion 310.)

*Credit: 3 Hours***HIST 312 Recent American History**

Domestic, political, economic, and social developments since 1919.

*Credit: 3 Hours***HIST 316 The West in American Life**

Processes of settlement, Indian relations, fur trade, mining, ranching, religion.

*Credit: 3 Hours***HIST 317 Native American History**

America's first inhabitants from 1200 to present. Emphasizes native peoples and their cultures in North America.

Prerequisite: Junior standing or written permission of instructor.

*Credit: 3 Hours***HIST 319 Notable American Women** K,P

Using a biographical approach, this course will study the communication skills and leadership qualities of outstanding American women from the nation's founding to the present. (Also listed as Communication 319.)

Prerequisite: Junior or senior standing.

*Credit: 3 Hours***HIST 320 World War II** M,P

This course will provide a general overview of the socio-political and military history of the Second World War (1937-1945), including the causes, primary leaders, and enduring consequences of the conflict.

*Credit: 3 Hours***HIST 322 American Foreign Relations**

Significant factors that have shaped and are shaping American relations with outside world. Emphasizes period since 1898. Primary theme is clash between realistic and idealistic goals. (Also listed as Political Science 322.)

*Credit: 3 Hours***HIST 327 Survey of Latin American History**

Spanish colonization and wars of independence provide background for understanding modern development and turmoil in countries of Central and South America.

*Credit: 3 Hours***HIST 329 European Feminism and European Tradition**

Revolutionary movements in Europe since 1789 and development

of feminist movement. Sociobiographical approach focusing on such individuals as Mary Wollstonecraft, Flora Tristan, and Claire Lacombe and on such movements as Saint-Simonianism.

*Credit: 3 Hours*

### HIST 330 A History of the Scottish People P

A survey of Scottish history from the Neolithic period to the present day. The course covers social, religious and cultural history as well as political and economic developments. It considers the question of what it meant to be Scottish at crucial political moments such as when the Picts and Scots were united in the ninth century, the thirteenth century Wars of Independence and the Union of Parliaments in 1707. It concludes with a look at modern Scottish nationalism.

*Credit: 3 Hours*

### HIST 339 Middle Ages P

Europe from fall of Roman Empire to Renaissance in 14th century. Emphasizes major institutions, culture, and intellectual history of Middle Ages. (Also listed as Religion 339.)

*Credit: 3 Hours*

### HIST 340 Renaissance and Reformation

Emergence of "new" Western man and woman as seen through study of institutions, literature, and art of 14th through 16th centuries. (Also listed as Religion 340.)

*Credit: 3 Hours*

### HIST 349 Twentieth Century Europe

Critique of Europe from conclusion of World War I to present involving integrated study of major countries: England, France, Germany, Italy, and Russia. Creation of environment for rise of Fascism and emergence of Cold War.

*Credit: 3 Hours*

### HIST 352 Age of Reason

Europe from 1648 to 1789. Triumph of absolutism and challenge by parliamentarianism, maturity of Western mind, and reason as hope for future of mankind or beginning of end?

*Credit: 3 Hours*

### HIST 354 Age of Nationalism

History of Europe from 1815 to 1918. The "long peace," industrialism, socialism, imperialism, and World War I.

*Credit: 3 Hours*

### HIST 359 East Asian History to 1850 P

Introduction to East Asian social, cultural, and political developments from prehistory to the middle of the nineteenth century. The course focuses predominantly on China as the hearth of East Asian civilization. Not open to students who have already completed History 211.

*Credit: 3 Hours*

### HIST 360 East Asian History from 1800 M,P

Social, cultural, and political developments in East Asia from the nineteenth century to the present. The course explores East Asian societies' varied responses to the challenges presented by contact with the West, as well as different courses taken with regard to the process of modernization. Not open to students who have already completed History 212.

*Credit: 3 Hours*

### HIST 376 Hebrew Bible/Old Testament

This course will be an introduction to and exploration of the Jewish Tanak, or Hebrew Bible, which Christians call their Old Testament. We will read substantial portions of the three major sections of the Hebrew Bible (law, prophets, and writings) in English translation with the help of a number of scholarly secondary sources. We will focus mainly on trying to understand biblical texts in their own historical contexts, but we will also explore how biblical themes resonate in other historical periods and in the present time. We will seek to understand how the Bible functions as a historical primary source, as a cultural influence, as literature, as a starting point for religious and philosophical discussion, and as a scripture for both the Jewish and the Christian tradition. (Also listed as Religion 376.)

*Credit: 3 Hours*

### HIST 402 Senior Capstone Course

Examination of the methods and philosophies of historical research, and completion of a research project using some of them.

*Credit: 3 Hours*

### Internship in History

Provides student with experience in archival, special collections, historical preservation, and/or museum work. Student works under supervision of archivist, librarian, or museum curator in conjunction with advisor in History Department.

Prerequisite: Junior or senior standing and approval of department chair.

*Credit: 1 to 3 Hours.*

## Human Resource Management

(See Business & Economics for major and minor)

## International Business

(See Business & Economics for major)

## Japanese

(See Modern Languages)

## Journalism

(See Communication and Media Studies for major and minor)

## Latin American Studies

(See Area Studies for minor)

## Leadership

The McDonough Center for Leadership and Business

Website: <http://mcdonough.marietta.edu>

Dean of the McDonough Center:

Dr. Gamaliel Perruci (Gama.Perruci@marietta.edu)

Director of Civic Engagement: Dr. Tanya Judd Pucella

Senior Fellow: Susan Brady

Executive-in-Residence: Tim Cooper

Faculty/Staff: Mark A. Bagshaw (Leadership and Management), William M. Bauer (Education), David Brown (Biology), Christy Burke (International Programs), Richard K. Danford (Spanish and Portuguese), Eric J. Fitch (Environmental Science), Bill Fournier (Career Center), Liane Gray-Starner (Communication), Kathryn N. McDaniel (History), Robert McManus (Leadership and Communication), David G. McShaffrey (Biology), Scott McVicar (Admissions), James H. O'Donnell (History), Mabry M. O'Donnell (Communication), Sidney Potash (Management and Leadership), Janie Rees-Miller (Linguistics), Mark Schaefer (Political Science), Mark E. Sibicky (Psychology), Michael B. Taylor (Management and Leadership), Luding Tong (Chinese), Ena Cecilia Vulor (French), Xiaoxiong Yi (China Institute), Matthew S. Young (History)

Administrative Coordinator: Christy Hockenberry (hockenba@marietta.edu)

The McDonough Center for Leadership and Business, endowed by a gift in memory of Bernard P. McDonough, a local industrialist, has been designed to allow students to study leadership through a multidisciplinary liberal arts perspective. The underlying theme that guides the Center's mission is its commitment to civic engagement and the development of citizen-leaders. A student's participation in the Leadership Program can take several forms:

- Major in International Leadership Studies (ILS)
- Minor in Leadership Studies (MLS)
- Certificate in Leadership Studies (CLS)
- Teacher Leadership Certificate (TLC)
- Leaders-in-Action (LIA) Certificate
- Enrolling in a Leadership-designated course

Students pursuing the International Leadership Studies major, the minor/certificate in Leadership Studies, as well as the Teacher Leadership Certificate, are named McDonough Scholars. Admission to the McDonough Scholars Program (ILS, MLS, CLS, and TLC) is competitive. Criteria for admission into the McDonough Scholars Program: (1) strong record of academic achievement (minimum 3.0 grade point average; minimum 500 SAT scores in Critical Reading and Writing; minimum 21 ACT scores in English and Reading); (2) evident record of leadership in high school and/or in the community; and (3) thoughtful and complete answers to the questions in the McDonough application form. The LIA Certificate does not require a separate application process and is open to all Marietta College students.

### Requirements for major in International Leadership Studies (ILS):

Leadership 101 or 111, 103, 140, 201, 203 or 112, 240; one of Communication 385, Leadership 225, 325, 350, Political Science 330; History 121 and Political Science 130; one of Political Science 120, 207, 340; one of Art History 361, English 205, Music 331, Religion 332; three courses from one of the following area study components Asia: Chinese 130, 370, History 359, 360, Political Science 226, 329; Europe: French 130, 131, 310, 330, 331, 360, History 329, 330, 349, 354, Political Science 203, 327, Spanish 330, 350, 360; Latin America: History 327, Leadership 260, Spanish 232, 331, 332, 351; plus, for

track 1, Chinese, French or Spanish 101, 102, 201, 202, 301, or for track 2, Communication 420, Writing 305. In addition all students must complete one of the following international experiences: study abroad (semester or year-long experience approved by the College's Office of Study Abroad), summer internship abroad, or summer community service abroad. Capstone: Leadership 403.

**Track 1** is designed for students for whom English is their first language. Placement in language courses generally follows the rule that a student with one or two years of a particular language in high school can appropriately enroll in the 101, 102 courses. Students with three to four years should enroll in 201, 202 courses. Further placement techniques will be used to determine the best level of study. Depending on the student's level of proficiency, the Department of Modern Languages may waive one or more courses in Chinese, French, or Spanish.

**Track 2** is available to students for whom English is not their native tongue. Students wishing to follow Track 2 must obtain written permission of both the Chair of the Department of Modern Languages and the Dean of the McDonough Center.

### Leadership

LEAD 101 OR 111  LEAD 103  LEAD 140   
LEAD 201  LEAD 203 OR 112  LEAD 240

### one of the following

COMM 301  COMM 385  LEAD 225   
LEAD 325  LEAD 350  POLS 330

### Liberal Arts Component

HIST 121  POLS 130  **12 Hours**

### one of the following

HIST 302  POLS 120  POLS 207   
POLS 340

### one of the following

ARTH 361  ENGL 205  MUSC 331   
RELI 332

### Area Study Component

**9 Hours**

### Any three courses from one of the following areas:

#### Asia:

ASN 361  ASN 362  CHIN 130   
CHIN 370  HIST 359  HIST 360   
POLS 226  POLS 329

#### Europe:

FREN 130  FREN 131  FREN 310   
FREN 330  FREN 331  FREN 360   
HIST 253  HIST 329  HIST 330   
HIST 349  HIST 354  POLS 203   
POLS 327  SPAN 330  SPAN 350   
SPAN 360

#### Latin America:

HIST 327  LEAD 260  SPAN 232   
SPAN 331  SPAN 332  SPAN 351

### Approved Community Service Hours for ILS majors:

**125 Hours**

### International Experience Component

Completion of one of the following international experiences: study abroad (semester or year-long experience approved by the College's Office of Study Abroad), summer internship abroad, or summer community service abroad.

**Capstone** **3 Hours**  
LEAD 403

**Plus for track 1:**

**Language (select one language)** **15 Hours**

**All five of the following in Chinese, French or Spanish**

LANG 101       LANG 102       LANG 201   
LANG 202       LANG 301

Depending on the student's level of proficiency, the Department of Modern Languages may waive one or more courses in Chinese, French, or Spanish.

**Total for track 1** **56 Hours**

**Plus for track 2:**

**one of the following** **3 Hours**

COMM 420       WRIT 305

**Total for track 2** **44 Hours**

**Requirements for the minor in Leadership Studies (MLS):** Leadership 101, 103, 140, 201, 203, 240, 340 and 401, one additional three-hour of leadership-designated course, completion of noncredit summer internship or study abroad experience approved by the Dean of the McDonough Center, and a total of 100 hours of approved community service. Study abroad for the MLS is defined as an extensive summer, semester or year-long experience approved by the College's Office of Study Abroad. The MLS requires 21 credit hours.

**Requirements for the Certificate in Leadership Studies (CLS):** Leadership 101, 103, 140, 201, 203, and 240, one additional three-hour leadership-designated course, and a total of 50 hours of approved community service.

**Requirements for the Teacher Leadership Certificate (TLC):** Leadership 101, 103, 140, 210; Education 110, 253; and a total of 25 hours of approved community service to be completed through Leadership 101 and 103.

Students in the McDonough Scholars Program described above (ILS, MLS, CLS, TLC) complete a one-week EXCEL (Experience Civic Engagement and Leadership) Workshop before taking LEAD 101.

**Requirements for the Leaders-in-Action (LIA) Certificate:** Leadership 221 and one additional three-hour leadership-designated course; skills practice through the creation of a community service project either on or off campus; creating a manual/guide with support materials that will allow anyone to continue the project, and presentation to a panel.

## Leadership Courses

**LEAD 101 Foundations of Leadership** **K**

Foundations course in leadership studies. Exploration of introductory themes: the academic study of leadership, definitions, ethics, power, and the tension between individualism and community.

Prerequisite: McDonough Scholar status

**Credit: 3 Hours**

**LEAD 103 Organizational Leadership** **Y**

(Continuation of Leadership 101 for ILS/MLS/CLS/TLC students.) Current theories of organizational structures and functions. Practical application of leadership styles in managing change within organization.

Prerequisite: Leadership 101

**Credit: 3 Hours**

**LEAD 111 Foundations of American Leadership** **K**

Fundamentals of American Leadership looks at leadership from an American perspective: it examines some of the key contemporary theories of leadership, explores the use of power in leadership situations and relationships, and considers the ethics of leadership. The course also attempts the challenging but increasingly important task of building effective teams to accomplish group purpose. Leadership 111 is the companion course to Leadership 112, Leadership in Global Contexts, for which it is a prerequisite. Both courses are intended primarily for students who are interested in leadership but whose program of study doesn't permit them to fulfill all the course and service requirements for the leadership certificate or leadership minor. There is no prerequisite for Leadership 111.

**Credit: 3 Hours**

**LEAD 112 Leadership in Global Contexts** **M**

Leadership in Global Contexts compares leadership across cultures and countries, explores the relationship between culture and leadership styles, ideas of cultural diversity and globalization, and a variety of considerations with implications for leading within and across national borders and global regions. The course also explores the challenging but increasingly important task of working across cultures in teams composed of persons from different cultures, ethnicities, racial identifications, and religious and social backgrounds. Leadership 112 is the companion course to Leadership 111, Foundations of American Leadership, and is intended primarily for students who are interested in leadership but whose program of study doesn't permit them to fulfill all the course and service requirements for the leadership certificate or leadership minor.

Prerequisite: Leadership 111 (or Leadership 101 and permission of the Dean of the McDonough Center)

**Credit: 3 Hours**

**LEAD 121 Leadership Training for Resident Assistants**

Discussion and practice of specific leadership skills necessary for the resident assistant position: communication, assertiveness, conflict management, problem solving, and coalition building. Offered during the second half of the fall semester.

Prerequisite: Successful completion of the resident assistant selection process or McDonough Scholar status or Leaders in Action certificate.

**Credit: 1 Hour**

**LEAD 140 Leadership Practicum I**

In the true sense of a practicum, this course provides students with the opportunity to explore the practical skills of Leadership while completing the classroom requirements of Leadership 103. Students focus on creating and pursuing a specific initiative within an organization, beginning with the informal stages of group facilitation, continuing through more structured stages of development-by-committee, and ending with the highly formalized interactions found in quasi-legislative organizational settings. While practicing the substantive

and procedural skills of organizational life, students also explore the skill sets related to facilitation, mediation, and authority.

Concurrent registration in Leadership 103 required.

**Credit: 1 Hour**

### LEAD 201 Theories and Models of Leadership

Major theories and concepts of leadership. Contemporary leadership literature and synthesis of personal leadership model. Superior/subordinate relationships, interpersonal organizational effectiveness, and communication concepts.

Prerequisite: Leadership 103.

**Credit: 3 Hours**

### LEAD 203 Global Leadership

M

Understanding diversity and leadership in a global context.

Prerequisite: Leadership 201

**Credit: 3 Hours**

### LEAD 210 From Teacher to Leader

K

This course is designed to explore the phenomena of teacher leadership. It examines how teachers act in leadership roles in several key areas, including (but not limited to) curriculum development, policy, mentoring, and professional development.

**Credit 3 Hours.**

### LEAD 221 Seminar in Leadership Behavior

Experiential class offering participants knowledge about themselves, how they interact with others. Relates this information to leadership theory and skills.

**Credit: 3 Hours**

### LEAD 225 Business in Global Contexts

M

A survey of the major issues a business encounters in operating across borders, and the impact of these issues on such business functions as accounting, finance, manufacturing and materials management, marketing, and human resource management. Topics include the impact of globalization on producer and consumer markets, national differences in political economy and culture, foreign direct investment, and strategic and structural implications of operating the business internationally. (Also listed as Management 225.)

**Credit: 3 Hours**

### LEAD 240 Leadership Practicum II

As with its precursor Leadership 140, this course offers students taking Leadership 201 an opportunity to experiment with, and thereby practice, the skills associated with Leadership theory. Students participate in designing Leadership around the various theoretical structures examined in the classroom. Field research projects offer students an opportunity to create new organizations "from scratch" and to set those new organizations into motion on campus or in the local community.

Concurrent registration in Leadership 201 required.

**Credit: 1 Hour**

### LEAD 260 Great Leaders in Latin American Politics

Since its independence from Spain and Portugal in the early 1800s, Latin America has witnessed the rise and fall of many political leaders who have made a permanent imprint on the history and life of the region. This course introduces students to a sample of these "great leaders" in Latin American politics: Simón Bolívar (Venezuela, Colombia), Eva Perón (Argentina), Getúlio Vargas (Brazil), and Che Guevara (Cuba). While these specific countries are closely linked to

their leadership, their legacy extends beyond borders. Bolívar's wars of liberation, for instance, continue to inspire Latin American political leaders today. These four political leaders are used to study current political leadership in Latin America. (Also listed as Political Science 260.) Offered in Fall in odd-numbered years.

**Credit: 3 Hours**

### LEAD 305 Business Ethics

K

An examination of the moral aspects of management and leadership. Using literature as well as traditional materials from business ethics, students will investigate how managers and leaders in business settings deal with concrete moral issues, such as affirmative action programs, intellectual property rights, and pollution cover-ups.

Prerequisite: Junior or senior standing.

**Credit: 3 Hours**

### LEAD 307 Leadership Dialogues

Introduction of variety of leadership styles. Through readings as well as through weekly presentations by acknowledged, experienced leaders from business and industry, science and technology, or arts, students are offered both theoretical and firsthand knowledge of leadership in "real world" settings.

**Credit: 3 Hours**

### LEAD 308 Science and Public Policy

K

Issues involved in situations where scientific discoveries require public policy formulations. Leadership required to keep public policy abreast of scientific advances. Lectures, discussions, audiovisual aids, reading, and case studies help students examine some key science and public policy "conflicts," past, present, and future. Offered alternate years.

Recommended prerequisite: Political Science 206.

**Credit: 3 Hours**

### LEAD 325 Leadership in the Emerging Nation

K,M

Employs fiction and film as case studies to explore leadership issues in what have been traditionally referred to as "Third World countries," or in emerging/surviving ethnic groups. Run like a seminar, the class asks students to research and prepare background presentations focusing on the culture, social structure, political structure, and general history of each country. Using definitions, theories, and models of leadership, organization structure and problem solving based on multiple perspectives, the course will examine such issues as uses and abuses of power, community versus individual, and racial/ethnic hatred.

**Credit: 3 Hours**

### LEAD 333 Leaders in Environmental Activism

Survey of leaders, particularly grassroots leaders, in worldwide environmental movements. Using textual and video sources, class examines case studies where individual leaders have made positive impact on environment. Offered fall semester, alternate years.

**Credit: 3 Hours**

### LEAD 340 Leadership Practicum III

Prepares candidates for an internship (required for the Leadership minor) and/or the transition to the world of work. Includes participants' observations and critical reaction analysis; résumé writing and letters of application; effective interpersonal communication, including interview skills.

Prerequisites: McDonough Scholar status and 2.0 average in Leadership courses.

**Credit: 1 Hour**

**LEAD 350 Leadership Study Abroad**

M

Supervised travel to study leadership in foreign countries that are experiencing significant change. With the approval of the appropriate department, students majoring in History, International Business Management, Modern Languages, and Political Science may elect to take the course for 3 credit hours in their major department. The course may then be modified to include discipline-specific work. Course may be repeated a maximum of two times for different countries.

*Credit: 3 Hours***LEAD 370 Leadership Pedagogy**

Leadership Pedagogy is designed to prepare students who have been selected as teaching assistants for Leadership 140, the one-hour leadership practicum course offered each spring semester as part of the required curriculum of the Leadership Program. Students taking Leadership Pedagogy explore specific issues and techniques related to teaching Leadership 140, including curriculum design and delivery.

Prerequisite: Instructor permission is required.

*Credit: 1 Hour***LEAD 401 Capstone Seminar in Leadership Studies**

Capstone course for students in the MLS (Minor in Leadership Studies) track. The course requires students to reach individual conclusions about leadership using, as basis for judgment, prior academic work as well as practical experience.

Prerequisite: McDonough Scholar status, senior standing or written permission of instructor.

*Credit: 3 Hours***LEAD 403 Senior Seminar in Global Leadership**

Capstone course for students in the ILS (International Leadership Studies) major. Integrated, analytical study of leadership issues that arise when groups with shared goals seek to cross borders between cultures, countries, and world regions, and when project teams are composed of members from diverse cultural backgrounds. Intensive case study and hermeneutic methods are used, in conjunction with analysis of contemporary transnational organizational practices.

Prerequisite: McDonough Scholar status, senior standing or written permission of instructor.

*Credit: 3 Hours***Other leadership-designated courses**

- Communication 301 (Group Discussion and Leadership)
- Communication/History 319 (Notable American Women)
- Communication 385 (Cross-Cultural Communication)
- Education 110 (Principles of Education)
- Environmental Studies 320 (Science, Technology and Society)
- Gender Studies 325 (American Leaders in Gender Issues)
- History 302 (Leadership and Change: Studies in Historical Biography)
- History 317 (Native American History)
- History 329 (European Feminism and European Tradition)
- Management 451 (Business Consulting)
- Political Science 210 (Presidency and Executive Leadership)
- Political Science 260 (Great Leaders in Latin American Politics)
- Political Science 306 (Women and U.S. Politics)
- Political Science 330 (Comparative Leadership Studies)

- Psychology 212 (Social Psychology)
- Religion 332/ Sociology 332 (Sociology of Religion)

## Linguistics

(See Modern Languages)

## Literature

(See English for minor)

## Management

(See Business &amp; Economics, for major and minor)

## Management Information Systems

(See Business &amp; Economics for major and minor)

## Marketing

(See Business &amp; Economics for major and minor)

## Mass Media

(See Communication and Media Studies)

## Master of Arts in Psychology

(See separate Graduate Programs Catalog)

## Master of International Corporate Media

(See separate Graduate Programs Catalog)

# Master of Science in Physician Assistant Studies

(See separate Graduate Programs Catalog)

## Mathematics

Department of Mathematics and Computer Science  
 Website: <http://www.marietta.edu/~mcsi/math/>  
 Chair: Dr. Mark A. Miller (mark.miller@marietta.edu)  
 Professor: Roger H. Pitasky; associate professors: Matthew Menzel, John Tynan; instructor: Holly Menzel  
 Secretary: Jacquelyn B. Lane

The primary mission of the department is to help students acquire mathematical and computational literacy and problem solving skills identified by faculty in the various programs that use mathematics and computer science as well as to meet the objectives of the Quantitative Reasoning portion of the General Education curriculum. The mission for the major programs with respect to mathematics and computer science is to provide the special mathematical, computational, and information systems skills needed by students who major or minor in the department for careers that use mathematics and computer science, for graduate work in mathematics, computer science and related fields, and for teaching at the secondary and college levels.

The department recommends a concentration of 15 hours of related courses in some field other than mathematics.

### Placement

Students with low ACT or SAT mathematics scores may be required to pass one or more skill-building courses, MATH 070, 080, in order to be admitted to mathematics courses number 100 and above. Students who are required to enroll in MATH 070 and/or 080 are required to complete the courses during their first year at the College. Students who wish to take MATH 121 (Precalculus) or MATH 125 (Calculus I) must achieve set levels of competency on a readiness test administered by the department.

**Requirements for a major in Mathematics:** Mathematics 125, 224, 225, 223 or 257, 301, 302, 304, 451, 453 and 9 additional credits in Mathematics numbered 300 or above; and Computer Science 115. Capstone requirement: Mathematics 401 and 402.

**Computer Science** **3 Hours**  
 CSCI 115

**Mathematics Requirements** **30 Hours**  
 MATH 125  MATH 224  MATH 225   
 MATH 301  MATH 302  MATH 304   
 MATH 223 OR 257  MATH 451  MATH 453

**Mathematics Electives: Any 3 courses numbered 300 or higher** **9 Hours**  
 MATH \_\_\_  MATH \_\_\_  MATH \_\_\_

**Senior Capstone** **2 Hours**  
 MATH 401  MATH 402

**Total** **44 Hours**

**Requirements for a minor in Mathematics:** Mathematics 125, 224, 301, and any combination of Mathematics courses numbered 200 or higher, leading to a total of 18 hours or more, where at least one of the additional courses is not required for the student's major. (Exception: Students may not count both Mathematics 223 and Mathematics 257.) This minor is exempt from the 12-hour rule for minors.

## Mathematics Courses

### MATH 070 Essential Mathematics

Develops basic quantitative skills. Concentrates on problem solving (through applied word problems involving proportionality and percentages), solving and graphing simple equations, presenting and understanding numerical data, and estimation of size. Intended to prepare students for Mathematics 113, 118, or 123. Mathematics 070 does not count towards graduation.

*Credit: 3 Hours*

### MATH 080 Intermediate Algebra

For students with a weak mathematics background. Exponents, graphs, linear and quadratic equations, and simplifying mathematical expressions. Intended to prepare students for Mathematics 121 or 223. Mathematics 080 does not count towards graduation.

*Credit: 3 Hours*

### MATH 113 Math for Elementary Teachers Q

For students in elementary education program. Real number system and its subsystems, other numeration systems, elementary number theory and informal geometry.

*Credit: 3 Hours*

### MATH 114 Geometry for Education Majors Q

This course is designed for students majoring in Early Childhood Education or Middle Childhood Education. Topics will include geometric figures, measurement, transformations, symmetries, tilings, congruence, constructions, and similarity.

*Credit: 3 Hours*

### MATH 118 Excursions in Mathematics Q

For students with little formal training in mathematics and no intention of going on in mathematics. Interesting and easily accessible concepts presented in order to give students an appreciation of beauty, breadth, and vitality of mathematics. Topics chosen from modern mathematics (such as topology, abstract algebra, number theory) and they vary from semester to semester.

*Credit: 3 Hours*

### MATH 121 Precalculus

For students who need to improve mathematical skills before attempting calculus. Topics will include properties of exponents, systems of linear equations, functions, graphing, inequalities, binomial theorem, exponential functions, logarithms, and trigonometric functions and identities.

Prerequisite: Mathematics 080 or Appropriate Math Placement Test Score

*Credit: 4 Hours*

### MATH 123 Practical Statistics Q

Students will become more knowledgeable consumers of statistical analysis. The course gives intuitive rather than rigorous discussion of statistical techniques and reasoning. Descriptive statistics, confidence intervals, hypothesis testing, and the normal distribution will be

Undergraduate Programs  
 Physician Assistant in Mathematics

covered. Students cannot receive credit for both Mathematics 123 and Mathematics 223 nor for Mathematics 123 and Mathematics 257 without permission of the department.

**Credit: 3 Hours**

### MATH 125 Calculus I

Q

First of three-semester series of courses covering differential and integral calculus, vectors and vector calculus, some analytical geometry, and calculus of several variables. Includes use of computer as teaching and computational aid.

Prerequisite: Mathematics 121 or passing calculus readiness placement test.

**Credit: 4 Hours.**

### MATH 223 Statistics for Natural and Social Sciences

Q

This course is designed for students who will encounter statistics in their fields, particularly for those majoring in biology, environmental science, or athletic training. The course will contain both intuitive and rigorous discussions of statistical techniques and reasoning. The topics will include hypothesis testing; the normal, Student's *t*, and Chi-Square distributions; probability; ANOVA; and parametric and non-parametric statistics. Students cannot receive credit for both Mathematics 223 and Mathematics 257 nor for Mathematics 223 and Mathematics 123 without permission of the department.

Prerequisite: Mathematics 080 or Appropriate Math Placement Test Score

**Credit: 3 Hours**

### MATH 224 Calculus II

Q

(Continuation of Mathematics 125). Second course in three-semester series. Continues discussion of differential and integral calculus, vectors and vector calculus, some analytical geometry, and calculus of several variables. Includes use of computer as teaching and computational aid.

Prerequisite: Mathematics 125

**Credit: 4 Hours.**

### MATH 225 Calculus III

(Continuation of Mathematics 224). Final course in three-semester series of courses covering differential and integral calculus, vectors and vector calculus, some analytical geometry, and calculus of several variables. Includes use of computer as teaching and computational aid. Students cannot receive credit for both Mathematics 225 and 235. Offered every Fall semester.

Prerequisite: Mathematics 224

**Credit: 4 Hours.**

### MATH 235 Advanced Engineering Mathematics

This course is designed as a computational introduction to the following concepts: Partial Differentiation, Multiple Integrals, Vectors, and Matrices. The course is primarily designed for Petroleum Engineering Majors. Students cannot receive credit for both Mathematics 225 and Mathematics 235. Offered every Spring semester.

Prerequisite: Mathematics 224

**Credit: 3 Hours**

### MATH 257 Engineering Statistics

Q

Topics include basic concepts of probability and their applications to statistics covering sampling theory, estimation, hypothesis testing, and regression and correlation. The course is primarily designed for Petroleum Engineering Majors.

Students cannot receive credit for both Mathematics 223 and Mathematics 257 nor for Mathematics 123 and Mathematics 257, without permission of the department. Offered every Fall semester.

Prerequisite: Mathematics 224

**Credit: 3 Hours**

### MATH 301 Foundations of Mathematics

Designed to introduce the art of the mathematical proof. Gives an overview of basic ideas and techniques from abstract mathematics, and prepares the student who will take upper-level abstract mathematics courses: Concepts of Geometry (MATH 346), Advanced Calculus (MATH 451), and Abstract Algebra (MATH 453). Topics covered may include logic, set theory, mathematical induction, relations and orders, functions, equivalence relations, and cardinality. Offered every Spring semester.

Prerequisite: Mathematics 224.

A student who passes both Mathematics 301 and Mathematics 402 will receive 3 hours of Writing Proficiency General Education credit.

**Credit: 3 Hours**

### MATH 302 Differential Equations with Numerical Methods

Introduction to differential equations. First order differential equations, linear differential equations, and numerical methods such as Runge-Kutta methods.

Prerequisite: Mathematics 224.

**Credit: 3 Hours**

### MATH 304 Linear Algebra

Systematic study of finite dimensional vector spaces and linear transformations. Dependence, dimension, determinants, eigenvalues and eigenvectors, and canonical forms.

Prerequisite: Mathematics 224.

**Credit: 3 Hours**

### MATH 325 Mathematical Methods for Physics

An introduction to the mathematical models needed for advanced study in Physics. Topics include: vector and tensor analysis, ordinary and partial differential equations, calculus of variations, and integral transforms. Applications may be drawn from Thermodynamics, Classical Mechanics, E&M, and Quantum Mechanics. Three hours of lecture/discussion per week. (Also listed as Physics 325.)

Prerequisites: Physics 222.

**Credit: 3 Hours**

### MATH 332 Knot Theory

Introduction to the mathematical theory of knots. The course will demonstrate the different techniques available for distinguishing knots. Knot tabulation, Knot invariants, Knot Polynomials, and applications to Physics, Biology, and Chemistry will also be discussed.

Prerequisite: Mathematics 301 or permission of instructor.

**Credit: 3 Hours**

### MATH 340 Numerical Analysis

Introduction to numerical techniques, emphasizing algorithms suitable for use with computer. Error analysis and critical comparison of alternative algorithms emphasized. Series approximations to functions, roots of equations, linear systems of equations, integration, and curve fitting.

Prerequisites: Computer Science 115 and Mathematics 224, or permission of instructor.

**Credit: 3 Hours**

**MATH 346 Concepts of Geometry**

Survey of various geometries with careful development of one particular geometry. May include Euclidean, non-Euclidean, affine, projective, and finite geometries. Offered Fall of odd-numbered years.

Prerequisite: Mathematics 301 or permission of instructor.

**Credit: 3 Hours**

**MATH 349 Linear Programming and Game Theory**

Mathematical methods for application in management science. Setting up optimization problems for management applications, techniques of linear programming including simplex method, sensitivity analysis, and introduction to game theory. Prerequisite: Mathematics 224.

**Credit: 3 Hours**

**MATH 350 Selected Topics in Mathematics**

An in-depth examination of an area of Mathematics not otherwise covered in the curriculum. Topics will vary from semester to semester. May be taken multiple times for credit with consent of advisor. Potential topics include Combinatorics, Graph Theory, Number Theory, Partial Differential Equations, and Topology.

Prerequisite: Mathematics 301 or permission of instructor.

**Credit: 3 Hours**

**MATH 401 Mathematics Seminar**

Seminar program emphasizing research techniques, formal presentations, and close readings of mathematical literature as well as preparation for mathematical careers. Offered every Spring.

Prerequisite: Mathematics 301 and Junior standing or permission of instructor.

**Credit: 1 Hour**

**MATH 402 Senior Project**

W

Continuation of the topics presented in Mathematics 401. Students will demonstrate their ability to communicate mathematics effectively by writing their senior capstone project and presenting the material to the Mathematics and Computer Science faculty and students. A student who passes both Mathematics 301 and Mathematics 402 will receive 3 hours of Writing Proficiency General Education Credit.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisite: Mathematics 401

**Credit: 1 Hour**

**MATH 451 Advanced Calculus**

Rigorous study of limits, derivative, integral and sequences and series. Develops theoretical foundations of material studied in Calculus I-III series. Offered Fall of even-numbered years.

Prerequisite: Mathematics 301 or permission of instructor.

**Credit: 3 Hours**

**MATH 453 Abstract Algebra**

Algebraic systems such as groups, rings and fields and their application to problems in mathematics and other fields. Offered Fall of odd-numbered years.

Prerequisite: Mathematics 301 or permission of instructor.

**Credit: 3 Hours**

## Modern Languages

Department of Modern Languages

Website: <http://www.marietta.edu/~lang/>

Chair: Dr. Luding Tong ([tongu@marietta.edu](mailto:tongu@marietta.edu))

Associate professors: Richard K. Danford (Portuguese and Spanish), Janie Rees-Miller (ESL and Linguistics), Ena Vulor (French); instructor: Guadalupe (Lupe) Madrid (Spanish); lecturers: Ihab Badran (Arabic) Mildred Popp (ESL) Secretary: Angela Srevens

The department's mission is to prepare graduates who are linguistically proficient and cultural literate by offering high quality programming leading to a major in Spanish and minors in Spanish, French, Asian Studies, European Studies and Latin American Studies as well as language instruction in Arabic, Chinese, Japanese and (Brazilian) Portuguese. Additionally, the department is responsible for courses in English as a Second Language and in Linguistics.

Area Studies minors are part of the College's international programs and represent a new interdisciplinary and interdepartmental initiative that allows students to complement their majors with a focus on a geographic area in which the College has institutional connections through exchange programs and Study Abroad opportunities. Information on the minors in Asian Studies, European Studies, and Latin American Studies is given under "Area Studies" in this section of the catalog.

The department also participates significantly in the International Business major and the International Leadership Studies major offered by the Department of Business & Economics and the McDonough Center, respectively.

Placement in language courses generally follows the rule that a student with one to two years of a particular language in high school can appropriately enroll in the 101, 102 courses. Students with three to four years should enroll in the 201, 202 courses. Further placement techniques may be used to determine the best level of study.

**Requirements for a major in Spanish:** Twenty-one (21) hours in Spanish in courses numbered 300 and above, including Spanish 301 and at least one course each in the areas of language, literature, and culture, and six (6) additional hours of related work, chosen by the student with the approval of the Modern Languages Department from the following areas: courses in Spanish numbered 200 and above; a second foreign language; courses in other departments dealing with the regions where Spanish is spoken, or the culture or literature of Spanish-speaking countries; courses in Linguistics. In addition, majors are required to spend at least one semester in an approved study abroad program in a country where Spanish is spoken as the dominant language and must complete a set of structured assignments related to their study abroad experience to fulfill the Capstone requirement.

**Spanish Language**

**3 Hours**

SPAN 301

**Spanish electives**

**18 Hours**

**Six courses selected from the following and distributed among language, culture and literature**

**Language electives: At least one of the following**

SPAN 310

SPAN 321

**Culture electives: At least one of the following**SPAN 330  SPAN 331  SPAN 332 **Literature electives: At least one of the following**SPAN 350  SPAN 351  SPAN 360 **Modern language electives** **6 Hours**AN ADDITIONAL 6 HOURS APPROVED BY THE MODERN LANGUAGES DEPARTMENT **Capstone: Study Abroad** **3 Hours**SPAN 401 **Total** **30 Hours**

**International Business:** The department of Economics, Management, and Accounting is responsible for the major in International Business. Details are given under that department in this section of this catalog.

**International Leadership Studies:** The McDonough Center for Leadership and Business is responsible for the major in International Leadership Studies. Details are given under "Leadership" in this section of the catalog.

**Requirements for a minor in Asian Studies:** Twenty-one to twenty-three hours including 12 hours in Asian History 359 and 360, and Asian Literature 361 and 362, 6-8 hours in Chinese or Japanese language courses (Chinese 130 included), and at least 3 hours in other courses chosen from the Asian Studies course list, and approved by the Director of Asian Studies.

**Requirements for a minor in European Studies:** Twenty-one to twenty-two hours. European Language core\*: French 201 and 202, or Spanish 201 and 202; European Studies core: History 121, Political Science 203, and either History 349 or Political Science 327; European Civilizations core: one course from French 130, 131, 330, 331, or Spanish 330; Electives: one from the following, including courses not used above, French 101, 102, Spanish 101, 102 if taken as a second European language, Art History 361, 362, 366, 369, 371, History 120, 121, 329, 339, 340, 349, 352, 354, French 301, 310, Spanish 301, 310, Music 330, 331, Philosophy 336, 341, 344, Political Science 203, 301, 302, 327, Religion 339, 340. A minimum of six hours must be completed at the 300 level.

\* Students with proficiency in French or Spanish beyond the 202 level must complete three hours of coursework at the 300-level in that language.

**Requirements for a minor in French:** Eighteen hours, including: at least two courses chosen from French 130, 131, 201, 202; nine (9) credit hours in French courses numbered 300 and above; three (3) credit hours of electives as approved by the Modern Languages Department. (Note: French 101 and 102 may not be used as part of these electives.) Study Abroad is recommended but not required for the French minor.

**Requirements for a minor in Latin American Studies:** Eighteen to twenty-three hours including 8 hours in Portuguese or Spanish; History 327 and Leadership/Political Science 260; either Economics 372 or Political Science 120; one Latin American experiential course from Leadership 350, Spanish 401, or as approved (can be for zero credit) by the director; an elective 3 or 4-hour course selected from the courses listed in the Latin American Studies program section of this catalog, or as approved by the director. Students with a language competence in either Portuguese or Spanish equivalent to the 102 level or above are waived out of the 8-hour language requirement but must complete an upper level language course as the elective course.

**Requirements for a minor in Spanish:** Eighteen hours, including: Spanish 201, 202, 301; at least one course in Spanish culture numbered 300 or above; at least one course in Spanish literature numbered 300 or above; three (3) credit hours of electives as approved by the Modern Languages Department. (Note: Spanish 101 and 102 may not be used as part of these electives.) Study Abroad is recommended but not required for the Spanish minor.

**Certificate in Teaching English as a Foreign Language (TEFL):** To earn a certificate in TEFL, a student must complete 18 credit hours. Of these 18 credit hours, 12 credit hours will be distributed among 4 courses as follows: one course in language analysis (either English 380 or Linguistics 320); one course in language teaching pedagogy (Linguistics 321); one course in language in the social context (either Linguistics 231 or Linguistics 232); one course in second language acquisition (Linguistics 341). In addition, a student must complete 6 credit hours in one foreign language at Marietta College.

**Arabic Courses**

**ARAB 101 Elementary Conversational Arabic I** **M**  
Pronunciation, practice in character recognition, speaking, sentence structure.

**Credit: 4 Hours.**

**ARAB 102 Elementary Conversational Arabic II** **M**  
Pronunciation, practice in character recognition, speaking, sentence structure.

Prerequisite: ARAB 101

**Credit: 4 Hours.**

**ARAB 130 Middle Eastern Culture and Civilization** **M**  
This interdisciplinary course is a study of Middle Eastern culture from the dawn of civilization up until today. Middle Eastern culture in this course is broadly defined, but will offer a comprehensive snapshot of its evolution throughout time. It will provide the background knowledge required for a full understanding of Middle Eastern culture as it exists today.

This course introduces students to the culture of the Middle East by offering a comprehensive examination of the elements that formed it, including the region's history, geography, religions, customs, art, and politics. Since history shapes culture, we will use history as our guideline for following the evolution of the worldview of the Middle East throughout the ages.

Although a previous completion of an Arabic language course is helpful and supplementary to this course, it assumes or expects no prior background knowledge of the region or the Arabic language.

**Credit: 3 Hours****Chinese Courses**

**CHIN 101 Elementary Conversational Chinese I** **M**  
Pronunciation, practice in character recognition, speaking, sentence structure.

**Credit: 4 Hours.**

**CHIN 102 Elementary Conversational Chinese II** **M**  
Emphasizes pronunciation, writing, speaking, and reading.

Prerequisite: Chinese 101 or written permission of instructor.

**Credit: 4 Hours.**

**CHIN 130 Perspectives on Chinese Culture**

P,M

An interdisciplinary study of Chinese culture, including history, politics, literature, and the arts, as well as Chinese customs.

**Credit: 3 Hours****CHIN 201 Intermediate Chinese I**

M

Pronunciation, further practice in character recognition, speaking, sentence structure, approached through readings based on the culture of China.

Prerequisite: Chinese 102 or written permission of instructor.

**Credit: 3 Hours****CHIN 202 Intermediate Chinese II**

M

Continued practice in pronunciation, character recognition, speaking, approached through more advanced readings based on the culture of China.

Prerequisite: Chinese 201 or written permission of instructor.

**Credit: 3 Hours****CHIN 301 Advanced Chinese I**

M

This course is a continuation of Chinese 202, with continued emphasis on vocabulary building and work on skills in listening comprehension, speaking, reading comprehension, and writing. Language will be introduced in relevant cultural contexts and through authentic materials.

Prerequisite: Chinese 202 or written permission of instructor.

**Credit: 3 Hours****CHIN 302 Advanced Chinese II**

M

This course is a continuation of Chinese 301, with more emphasis on writing. Increased emphasis will be given to writing short essays in Chinese characters, writing for communication in real-life situations, and using available sources to discover useful cultural information.

Prerequisite: Chinese 301 or written permission of instructor.

**Credit: 3 Hours****CHIN 370 East Asian Cultures through Film**

M,P,W

This course is an introduction to and exploration of the cultural and historical dimensions of East Asian cinemas (e.g., China, Taiwan, Hong Kong, and Japan). Through interpretations of selected films and reading materials, this course analyzes the socio-political issues, economics, women's issues, traditions, and national identity.

Prerequisite: Junior or senior standing, or written permission of instructor.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****CHIN371 Chinese Visual Culture and Visual Expressions Through Advertising**

M

This interdisciplinary course is a study of visual culture in China since the early 20th century through selected texts and illustrations. Visual culture in this course is broadly defined, with a focus on texts and visual art in mass culture, such as advertisements, popular prints, posters, and video clips. This course is to use texts as well as advertising and other elements of visual art in mass culture as means of communicating socio-cultural information that students will use to learn about culture, economy, and society in modern China. The study of culture is both visual and textual. Cross-listed as MASS 385.

Prerequisites: Sophomore standing

**Credit: 3 Hours****French Courses****FREN 101 French Level I**

M

Elementary pronunciation, vocabulary building, and language structure. Listening comprehension, reading, writing, and speaking. Language approached through readings and authentic materials from the culture and history of French-speaking countries. Intended for students with fewer than 3 years of French in high school.

**Credit: 4 Hours****FREN 102 French Level II**

M

Language skills augmented by conversation-based activities. Small group activities. Cultural component includes other French-speaking countries:

level through variety of classroom activities such as translation exercises, improvement of Spanish business writing skills, additional reinforcement of grammatical concepts, in the context of contemporary Spanish and Spanish American cultures.

Prerequisites: Spanish 202 or written permission of instructor.

**Credit: 3 Hours****FREN 130 French Culture and Civilization: Historical Perspective**

M

Through novels, essays, films, and documentaries, this course takes a look at French culture and civilization from the French Revolution to contemporary times, with stress on a variety of French achievements in the arts, sciences, and literature. Knowledge of French not required.

**Credit: 3 Hours****FREN 131 French Culture and Civilization: Cross-cultural Perspective**

M

Offers an intercultural perspective on the French-speaking world: France, French Canada, Caribbean, and Africa. Class will explore the dynamics of French culture and influence on other Francophone cultures. Materials for the course (novels, essays, films/documentaries) will enable class discussion to examine contemporary issues pertinent to these cultural settings: democratization and leadership; urban and rural development; education and the creation of elite sub-cultures; cultural hybridity, and gender role distinction. Knowledge of French not required.

**Credit: 3 Hours****FREN 201 Intermediate French I**

M

Integrated review and extension of French language, together with presentation of cultural issues and literary texts of the Francophone world. Emphasis on reading and writing. Culture texts include history, scientific achievements, art, architecture, and religion. Literary texts from prose narrative, poetry, essays, and theatre.

Prerequisite: French 102 or two years of high school French.

**Credit: 3 Hours****FREN 202 Intermediate French II**

M

Integrated approach continues. Language component shifts to conversational skills and aural comprehension. Writing includes topics of general interest and problems relating to Francophone culture and civilization. Literature component includes fundamentals of interpretation.

Prerequisite: French 201.

**Credit: 3 Hours**

**FREN 260 Francophone African and Caribbean Literature: An Introduction to Africa and the Caribbean (Taught In English)** L, W

Francophone African and Caribbean Literature introduces students to a number of literary texts and films from across the spectrum of the Francophone world -- West Africa, the Maghreb (North Africa), and the Caribbean. Through the works of novelists, poets, playwrights, and film makers within a growing corpus of canonical works, course will examine the different historical and cultural effects of colonialism and post colonialism, as well as the intrinsic artistic and literary qualities of non-western works of fiction.

*Credit: 3 Hours***FREN 301 Conversation and Composition** M

Conversational French and practice in writing topics of general interest and problems relating to French culture and civilization.

Prerequisite: French 202.

*Credit: 3 Hours***FREN 310 Business French** M

Advanced course offering acquisition of business vocabulary at higher level through variety of classroom activities such as translation exercises, improvement of French business writing skills, and additional reinforcement of grammatical concepts in the context of contemporary culture.

Prerequisite: French 202, or written permission of instructor.

*Credit: 3 Hours***FREN 330 French Civilization I** M

Highlights of France's cultural, scientific, and artistic contribution to world civilization prior to the French Revolution. Offered when warranted by academic requirements or student interest.

Prerequisite: French 301 or written permission of instructor.

*Credit: 3 Hours.***FREN 331 French Civilization II** M

French cultural contributions to the world from the French Revolution to present. Offered when warranted by academic requirements or student interest.

Prerequisite: French 301 or written permission of instructor.

*Credit: 3 Hours.***FREN 360 Topics in French and Francophone Literature** L,M

An examination of the literature in French representative of a particular genre, movement, author, or theme. Topics will vary with each course offering and include the French novel, the Romantic movement, and feminist Francophone literature. May be repeated for credit when topics differ.

Prerequisite: French 301 or permission of instructor.

*Credit: 3 Hours.***FREN 401 Study Abroad**

Students will complete a set of structured assignments either during or in the semester after their return from a Study Abroad program in a French-speaking country. These assignments are designed to enhance the experience abroad by asking students to reflect on their experience of language, literature, and culture. Assignments may include a language learning journal completed during the time abroad, a reflective paper on a piece of literature, and reflective papers on cultural experiences derived from the Study Abroad.

*Credit: 3 Hours***Japanese Courses****JAPN 101 Elementary Conversational Japanese I** M

Pronunciation, practice in character recognition, speaking, sentence structure, approached through readings based on the culture of Japan.

*Credit: 4 Hours***JAPN 102 Elementary Conversational Japanese II** M

Emphasizes pronunciation, writing, speaking, and reading.

Prerequisite: Japanese 101 or written permission of instructor.

*Credit: 4 Hours***JAPN 201 Intermediate Japanese I** M

Pronunciation, further practice in character recognition, speaking, sentence structure, approached through more advanced readings in the context of Japanese culture. Offered when warranted by student interest.

Prerequisite: Japanese 102 or written permission of instructor.

*Credit: 3 Hours***JAPN 202 Intermediate Japanese II** M

Continued practice in pronunciation, character recognition, speaking, sentence structure, approached through continued readings in the context of Japanese culture and history. Offered when warranted by student interest.

Prerequisite: Japanese 201 or written permission of instructor.

*Credit: 3 Hours.***Portuguese Courses****Port 101 Portuguese Level I** M

Elementary pronunciation, vocabulary, and grammar of the Portuguese language as spoken in Brazil. Skills development focused on listening comprehension, reading, writing, and speaking. Language is approached through readings and authentic materials from the culture and history of Portugal and Brazil. Intended for students with fewer than three years of Portuguese in high school.

*Credit: 4 hours***Port 102 Portuguese Level II** M

Language skills will be further developed in the classroom through conversation-based activities and work in small groups. Cultural components of the course are focused primarily on Lusophone Africa and Brazil.

Prerequisite: Portuguese 101

*Credit: 4 hours***Spanish Courses****SPAN 101 Spanish Level I** M

Elementary pronunciation, vocabulary building, and language structure of the Spanish language. Listening comprehension, reading, writing, and speaking. Language approached through readings and authentic materials from culture and history of Spanish speaking countries. Intended for students with fewer than three years of Spanish in high school.

*Credit: 4 Hours.*

**SPAN 102 Spanish Level II** M

Language skill augmented by conversation-based activities. Small group activities. Cultural component includes other Spanish-speaking countries: Central and South America, Caribbean, Hispanic United States.

Prerequisite: Spanish 101.

**Credit: 4 Hours**

**SPAN 201 Intermediate Spanish Level I** M

Integrated review and extension of Spanish language, together with presentation of cultural issues and literary texts of the Hispanic World.

Prerequisite: Spanish 102 or two years of high school Spanish.

**Credit: 3 Hours**

**SPAN 202 Intermediate Spanish Level II** M

Integrated approach continues. Writing assignments include topics of general interest and issues of the contemporary Spanish-speaking world. Literature study includes fundamentals of interpretation, focusing primarily on contemporary Hispania.

Prerequisite: Spanish 201 or equivalent.

**Credit: 3 Hours**

**SPAN 232 Latinos in the United States** P,W,X

This course examines the group of individuals commonly identified as 'Hispanics' or 'Latinos/as.' Consideration will be given not only to the features these people share in common, but also to their diversity. An interdisciplinary approach examines the history, politics, religion, literature, art, music and popular traditions associated with the Latino population. The primary objective of this course is to examine who Latinos are, how they came to live in the United States, and what their place is within US society. Of central importance to this examination will be an understanding of the concepts of race, ethnicity, identity, resistance, and assimilation. This course is taught in English, with no knowledge of Spanish required. It is not open to students who have already completed Spanish 332. Offered when warranted by student interest or academic requirements.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 hours**

**SPAN 301 Conversation and Composition** M

Conversational Spanish and practice in writing on topics of general interest and problems relating to Spanish-speaking cultures and civilizations.

Prerequisite: Spanish 202.

**Credit: 3 Hours**

**SPAN 310 Business Spanish** M

Advanced course offering acquisition of business vocabulary at higher level through variety of classroom activities such as translation exercises, improvement of Spanish business writing skills, additional reinforcement of grammatical concepts, in the context of contemporary Spanish and Spanish American cultures.

Prerequisites: Spanish 202 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 321 Spanish Phonetics and Phonology**

An examination of the sounds (consonants and vowels) of Spanish and how these vary systematically. Spanish dialects based on geography, age, gender, and economic status will also be analyzed. Nonnative

speakers will focus on improving their pronunciation of Spanish.

Prerequisite: Spanish 202 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 330 Spanish Civilization** M,P

Significant cultural materials in development of civilization in Spain and Hispanic world. Readings in Spanish emphasizing vocabulary acquisition and reading comprehension. Offered when warranted by academic requirements or student interest.

Prerequisite: Spanish 301 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 331 Spanish-American Civilization** M,P

Spanish-American civilization. Offered when warranted by academic requirements or student interest.

Prerequisite: Spanish 301 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 332 Latinos en Estados Unidos** P,W,X

This course examines the group of individuals commonly identified as 'Hispanics' or 'Latinos/as.' Consideration will be given not only to the features these people share in common, but also to their diversity. An interdisciplinary approach examines the history, politics, religion, literature, art, music and popular traditions associated with the Latino population. The primary objective of this course is to examine who Latinos are, how they came to live in the United States, and what their place is within US society. Of central importance to this examination will be an understanding of the concepts of race, ethnicity, identity, resistance, and assimilation. This course is taught in Spanish and is not open to students who have already completed Spanish 232. It is offered when warranted by student interest or academic requirements.

Prerequisites: Spanish 301.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 hours**

**SPAN 350 Highlights of Spanish Literature** L,M

Great works from medieval to contemporary times. Offered when warranted by academic requirements or student interest.

Prerequisite: Spanish 301 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 351 Panorama of Latin American Literature** L,M

Literature from Latin America from its earliest manifestations to the present. A variety of authors, genres, and themes will be analyzed in relation to the relevant historical context.

Prerequisite: Spanish 301 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 360 Topics in Spanish and Hispanic Literature** L,M

An examination of the literature in Spanish representative of a particular genre, movement, author, or theme. Topics will vary with each course offering and include the Spanish novel, famous works of Spanish theater, and Hispanic women writers. May be repeated for credit when topics differ.

Prerequisite: Spanish 301 or written permission of instructor.

**Credit: 3 Hours**

**SPAN 401 Study Abroad**

Students will complete a set of structured assignments either during or in the semester after their return from a Study Abroad program in a Spanish-speaking country. These assignments are designed

to enhance the experience abroad by asking students to reflect on their experience of language, literature, and culture. Assignments may include a language learning journal completed during the time abroad, a reflective paper on a piece of literature, and reflective papers on cultural experiences derived from the Study Abroad.

**Credits: 3 Hours.**

## English as Second Language (ESL) Courses

Students are required to take ESL courses at the Intensive and Bridge Levels (ESL 101, 102, 201, 202) because their level of English language proficiency is insufficient for academic work. ESL courses at the Support Level (ESL 291, 292) may be taken as electives. A maximum of 12 ESL hours may count towards graduation.

### ESL 101 Intensive English

Intensive ESL to prepare students for academic work in English and survival skills in the U.S. Lower intermediate level reading, writing, speaking, listening, vocabulary, and grammar.

Prerequisite: Placement by ESL Director

**Credit: 9 Hours.**

### ESL 102 Intensive English

Intensive ESL to prepare students for academic work in English and for interaction with Americans. Intermediate level reading, writing, speaking, listening, vocabulary, and grammar.

Prerequisite: Placement by ESL Director

**Credit: 9 Hours.**

### ESL 201 Speaking and Listening (Bridge Level)

Speaking and listening necessary for survival in the U.S. and for comprehension and oral participation in academic work. Pronunciation, fluency, note-taking skills, vocabulary, grammar, and cultural conventions of oral communication in an academic setting.

Prerequisite: Placement by ESL Director

**Credit: 3 Hours**

### ESL 202 Reading and Writing (Bridge Level)

Academic reading and writing including note-taking and summary skills, vocabulary building, grammatical accuracy, and organization and coherence at the sentence and paragraph level.

Prerequisite: Placement by ESL Director

**Credit: 3 Hours**

### ESL 291 Support Seminar for International Students

Interpreting a syllabus, planning a study schedule, reading academic material accurately and efficiently, understanding and completing assignments as directed, understanding exam formats and questions. Based on courses in which students are currently enrolled.

Prerequisite: Permission of ESL Director

**Credit: 1 Hour**

### ESL 292 Advanced Composition and Grammar (Support Level)

Advanced work on grammatical accuracy, extending the productive range of grammatical structures, organization and coherence, and vocabulary at the paragraph and essay level.

Prerequisite: Permission of the ESL Director

**Credit: 3 Hours**

## Linguistics Courses

### LING 231 Language and Society

M,X

Language variation according to region, socioeconomic class, age, and ethnicity. Standard and nonstandard dialects, register, and style shifting. Language contact, language policy and planning. Offered alternate years.

**Credit: 3 Hours**

### LING 232 Language, Gender, and Culture

M,X

Gender patterns in language use and how these reflect cultural presuppositions about men's and women's roles. Gender patterns in American English as well as in other languages and cultures will be examined. Offered alternate years.

**Credit: 3 Hours**

### LING 320 Introduction to Linguistics

Q

The bases of the scientific study of language: the sounds that make up human languages (phonetics), how sounds are combined (phonology), how words are structured (morphology), how sentences are structured (syntax), how we derive meaning from words, sentences, and texts (semantics). (Also listed as English 320.) Offered alternate years.

**Credit: 3 Hours**

### LING 321 Methods of Foreign Language Teaching

Principles and techniques of teaching grammar, vocabulary, speaking, listening, reading, and writing in a foreign language. How to address problems particular to a foreign language teaching environment. Emphasis is placed on teaching English abroad. Offered alternate years.

**Credit: 3 Hours**

### LING 341 Principles of Second Language Acquisition

Factors affecting second language acquisition; theories of second language acquisition; acquisition of the sound system, grammar, vocabulary, and social uses of a second language. Offered alternate years.

**Credit: 3 Hours**

## Music

Edward E. MacTaggart Department of Music

Website: <http://www.marietta.edu/~musc/>; [music@marietta.edu](mailto:music@marietta.edu)

Chair: Dr. Daniel Monek ([Daniel.Monek@marietta.edu](mailto:Daniel.Monek@marietta.edu))

Assistant professor: Marshall Kimball, Brent Yorgason; Instructor Merewyn Archer; lecturers: Jessica Baldwin, Robert Coddington, David Puls, Debra

Rentz, Dr. David Tadlock, Karen Young;

Office Staff: Dorothy Leifheit, Pamela Phillips

Courses in music provide opportunities for the study and performance of music for all students, regardless of their major or field of interest. The program for the music major is designed to provide a thorough foundation in music within a liberal arts context. It may serve as a terminal degree in music for students desiring only the bachelor's degree, or it may serve as preparation for specialization in music at the graduate level.

**Admission into the Music Program and Music Performance Programs:**

**Admission into the Program:** Students wishing to pursue a B.A. degree

in music or music performance must first audition for preliminary acceptance by the music faculty. Complete acceptance into either B. A. degree is contingent upon completion of the degree's piano examination, acceptance into 300-level applied study, completion of four semesters of the recital attendance requirement, successful completion of the sophomore review, and the completion of each of the following courses with a grade of C or better: Music 111, 112, 171, 172, 201, 211, 212, 271 and 272. For complete details of these requirements the students should refer to the Marietta College Music Handbook available from the Music Office, Hermann Fine Arts Building.

**Admission into the Music Education Program:** Students wishing to pursue a B.A. degree in music education must first audition and interview for preliminary acceptance by the music faculty. Complete acceptance into the major (required to enroll in all 300 & 400 level courses) is contingent upon completion of the following requirements:

- Completion of the Praxis I assessment and the submission of scores to the department. Minimum scores for admission are as follows: Math 174, Reading 175, and Writing 173. In lieu of the Praxis I exam students may submit an ACT composite score of 23 or an SAT composite score of 1060. Praxis I testing information is available in the Department of Education Office and in the Academic Resource Center.
- A 2.75 cumulative grade point average while enrolled at Marietta College. If the student's grade point average falls below a 2.75, the student will be placed on program probation for one semester. If, at the end of the probationary semester, the student's grades are still below a 2.75, the student will no longer be permitted to enroll in 300/400-level Music Education and Education courses
- Completion of ENGL and COMM 101 with a grade of "C" or better.
- Completion of the piano proficiency (MUSC 141, 142, 241, 242)
- Completion of the Aural Skills proficiency (MUSC 171, 172, 271 and 272)
- Acceptance into the 300-level of applied study
- Completion each of the following courses with a grade of C or better: MUSC 111, 112, 211, 212, 201, and MUED 110 and four credit hours of the ensemble requirement.
- Successful completion of four semesters of the recital requirement.
- Successful completion of the sophomore review. The sophomore review is an individual conference with the faculty of the department to review the progress of each student. Students will be required to present an electronic portfolio that is based on detailed instructions provided in the Music department handbook and MUED 101. It should contain, but is not limited to, the following items: transcript, piano proficiency results, repertoire list and jury evaluations, and a statement of goals. The review is designed not only to be an assessment of their progress to date, but an opportunity for the students and faculty to discuss weaknesses and strengths and set individualized goals for the rest of the student's time at Marietta College. The College's Department of Music, in consultation with the Education department, will either accept or reject the student's application into the Professional Music Education Licensure Program based on the student's qualifications and the department's

vote of confidence in the student's ability to complete the Program. Students denied admission to the Professional Music Education Licensure Program may appeal this decision according to the criteria set forth in the *Marietta College Music Department Handbook*.

**Prior to enrollment in MUED 490:** In addition to requirements outlined by Marietta College's Department of Education, students must meet the following:

- Formal acceptance into the major
- Satisfactory evaluations in all field work.
- Completion of all prerequisite courses.
- Successful completion of seven semesters of the recital requirement.
- Minimum cumulative grade point average of 2.75.
- Successful completion of the following content courses with a grade of "C" or better: MUED 301, 302, 311, 312, 330, 331, 401, 402, & 403
- A grade point of 3.00 or better in all required MUSC and EDUC courses, except MUED 457 and EDUC 452 which are offered concurrently with MUED 490.

**Prior to graduation:** In addition to those requirements outlined by Marietta College's Department of Education, students must meet the following:

- Completion of MUED 457, EDUC 452, and MUED 490 with a C or better in each course.
- Successful completion of the Praxis II exam.

**Requirements for major in Music:** 47 hours are required in music. MUSC 111, 112, 141, 142, 171, 172,, 211, 212, 271, 272, 330, 331; 8 hours of an approved ensemble; 6 hours of applied music, excluding preparatory study - Music 150; 6 hours of music electives (excluding Music 101, 110 and 150); and a senior capstone - Music 485. In addition to these course requirements students must successfully complete eight semesters of the recital attendance requirement and the Marietta College piano competency and aural skills proficiency examination. For complete details of these requirements the students should refer to the Marietta College Music Handbook available from the Music Office, Hermann Fine Arts Building.

<b>Music required courses</b>			<b>24 hours</b>
MUSC 111 <input type="checkbox"/>	MUSC 112 <input type="checkbox"/>	MUSC 141 <input type="checkbox"/>	
MUSC 142 <input type="checkbox"/>	MUSC 171 <input type="checkbox"/>	MUSC 172 <input type="checkbox"/>	
MUSC 211 <input type="checkbox"/>	MUSC 212 <input type="checkbox"/>	MUSC 271 <input type="checkbox"/>	
MUSC 272 <input type="checkbox"/>	MUSC 330 <input type="checkbox"/>	MUSC 331 <input type="checkbox"/>	
<b>Ensemble</b>			<b>8 hours</b>
8 HOURS OF APPROVED ENSEMBLE			
<b>Applied</b>			<b>6 hours</b>
MUSC 151 <input type="checkbox"/>	MUSC 151 <input type="checkbox"/>	MUSC 251 <input type="checkbox"/>	
MUSC 251 <input type="checkbox"/>	MUSC 351 <input type="checkbox"/>	MUSC 351 <input type="checkbox"/>	
<b>Music electives</b>			<b>6 hours</b>
(EXCEPT MUSC 101, 110 & 150)			
<b>Senior capstone</b>			<b>3 hours</b>
MUSC 485 <input type="checkbox"/>			
<b>Total</b>			<b>47 hours</b>

**Requirements for major in Music Performance:** 62 hours are required in music. MUSC 111, 112, 141, 142, 171, 172, 201, 211, 212, 241, 242, 271, 272, 312, 330, 331; 8 hours of an approved ensemble; 12 hours

of applied music, excluding preparatory study - Music 150; 8 hours of music electives (excluding Music 101, 110 and 150); and a senior capstone - Music 485. Vocal majors are required to take Music 121 and 122. In addition to these course requirements students must successfully complete eight semesters of the recital attendance requirement and the Marietta College piano and aural skills proficiency examination. For complete details of these requirements the students should refer to the Marietta College Music Handbook available from the Music Office, Hermann Fine Arts Building.

<b>Music required courses</b>		<b>31 hours</b>
MUSC 111 <input type="checkbox"/>	MUSC 112 <input type="checkbox"/>	MUSC 141 <input type="checkbox"/>
MUSC 142 <input type="checkbox"/>	MUSC 171 <input type="checkbox"/>	MUSC 172 <input type="checkbox"/>
MUSC 201 <input type="checkbox"/>	MUSC 211 <input type="checkbox"/>	MUSC 212 <input type="checkbox"/>
MUSC 241 <input type="checkbox"/>	MUSC 242 <input type="checkbox"/>	MUSC 271 <input type="checkbox"/>
MUSC 272 <input type="checkbox"/>	MUSC 312 <input type="checkbox"/>	MUSC 330 <input type="checkbox"/>
MUSC 331 <input type="checkbox"/>		

**Ensemble** **8 hours**  
8 HOURS OF APPROVED ENSEMBLE

<b>Applied</b>		<b>12 hours</b>
MUSC 151 <input type="checkbox"/>	MUSC 151 <input type="checkbox"/>	MUSC 251 <input type="checkbox"/>
MUSC 251 <input type="checkbox"/>	MUSC 351 (2 CREDITS) <input type="checkbox"/>	
MUSC 351 (2 CREDITS) <input type="checkbox"/>		
MUSC 451 (2 CREDITS) <input type="checkbox"/>		
MUSC 451 (2 CREDITS) <input type="checkbox"/>		

**Music electives** **8 hours**  
(EXCEPT MUSC 101, 110 & 150)

**Senior capstone** **3 hours**  
MUSC 485

**Total** **62 hours**

**Requirements for major in Music Education:** 102 hours are required. MUSC 111, 112, 141, 142, 171, 172, 201, 211, 212, 241, 242, 271, 272, 301, 302, 312, 330, 331; MUED 110, 202, 205, 206, 207, 208, 209, 401, 402, 403, 457; EDUC 202, 253, 360, 452; PSYC 101; 7 hours of an approved ensemble; 7 hours of applied music, excluding preparatory study - Music 150; 6 hours of elective study based on specialty area; and a senior capstone - MUED 490. In addition to these course requirements students must successfully complete a recital requirement, the Marietta College piano and aural skills proficiency examination, 8 semesters of MUED 125, and a recital attendance requirement (MUSC 105). For complete details of these requirements the students should refer to the Marietta College Music Handbook available from the Music Office, Hermann Fine Arts Building.

<b>Music required courses</b>		<b>35 hours</b>
MUSC 111 <input type="checkbox"/>	MUSC 112 <input type="checkbox"/>	MUSC 141 <input type="checkbox"/>
MUSC 142 <input type="checkbox"/>	MUSC 171 <input type="checkbox"/>	MUSC 172 <input type="checkbox"/>
MUSC 201 <input type="checkbox"/>	MUSC 211 <input type="checkbox"/>	MUSC 212 <input type="checkbox"/>
MUSC 241 <input type="checkbox"/>	MUSC 242 <input type="checkbox"/>	MUSC 271 <input type="checkbox"/>
MUSC 272 <input type="checkbox"/>	MUSC 301 <input type="checkbox"/>	MUSC 302 <input type="checkbox"/>
MUSC 312 <input type="checkbox"/>	MUSC 330 <input type="checkbox"/>	MUSC 331 <input type="checkbox"/>

<b>Music Education required courses</b>		<b>21 hours</b>
MUED 110 <input type="checkbox"/>	MUED 202 <input type="checkbox"/>	MUED 205 <input type="checkbox"/>
MUED 206 <input type="checkbox"/>	MUED 207 <input type="checkbox"/>	MUED 208 <input type="checkbox"/>
MUED 209 <input type="checkbox"/>	MUED 401 <input type="checkbox"/>	MUED 402 <input type="checkbox"/>
MUED 403 <input type="checkbox"/>	MUED 457 <input type="checkbox"/>	

<b>Education required courses</b>		<b>12 hours</b>
EDUC 202 <input type="checkbox"/>	EDUC 253 <input type="checkbox"/>	EDUC 360 <input type="checkbox"/>
EDUC 452 <input type="checkbox"/>		

**Psychology required course** **3 hours**  
PSYC 101

**Ensemble** **7 hours**  
7 HOURS OF APPROVED ENSEMBLE

<b>Applied</b>		<b>7 hours</b>
MUSC 151 <input type="checkbox"/>	MUSC 151 <input type="checkbox"/>	MUSC 251 <input type="checkbox"/>
MUSC 251 <input type="checkbox"/>	MUSC 351 <input type="checkbox"/>	MUSC 351 <input type="checkbox"/>
MUSC 451 <input type="checkbox"/>		

**Music electives** **6 hours**

**Senior capstone** **12 hours**  
MUSC 490

**Total** **102 hours**

**Requirements for a minor in Music: 24 hours required in music:** Music 111, 112, 171, 172, 201, and either 330 or 331; 4 hours of an approved ensemble; 4 hours of applied music (excluding preparatory study - Music 150); 3 hours of elective study (excluding Music 101, 110, and 150). For complete details of these requirements the students should refer to the Marietta College Music Handbook available from the Music Office, Hermann Fine Arts Building.

**Requirements for a certificate in Vocal pedagogy:** Students completing a bachelor of arts degree in music or music education, a bachelor of fine arts degree in musical theatre, or a minor in music may elect to complete the certificate which requires 14 hours in music: MUSC 121, 122; MUED 225, 325, and 425; 6 hours of applied vocal study (excluding preparatory study - MUSC 150); and one semester of applied teaching through the music department. For complete details of these requirements the students should refer to the Marietta College Music Handbook available from the Music Office, Hermann Fine Arts Building.

## Music Courses

**MUSC 101 Music Appreciation** **R**  
Introduction to music as an art form, emphasizing the development of perceptive listening techniques and critical judgment; representative compositions are not necessarily selected with regard to chronology. Offered every semester.  
*Credit: 3 Hours*

**MUSC 105 Recital Attendance**  
Required of all music and music education majors, this course monitors each student's exposure to a large and varied body of music through study and attendance at recitals, concerts, opera and musical theatre productions, and other performances. Offered every semester.  
*Credit: 0 hours*

**MUED 110 Introduction to Music Education** **K**  
This course introduces the student to the historical, social and philosophical foundations of music education including critical evaluation of contemporary trends leading to a clarification of an individual teacher's philosophy of music education and professional ethics. The course includes an introduction to basic law and educational policy in the US and the socio-cultural interplay of schools and society. Offered every fall.  
*Credit: 3 hours*

**MUSC 110 Fundamentals of Music**

R

An introduction to the basic language and construction of music. This course introduces fundamental aspects of pitch, rhythm, meter, melody, harmony, timbre, texture, and form. An understanding of these concepts is developed through the reading of pitches and rhythms on a staff, the examination and construction of intervals, scales, and chords, and the composition of simple musical exercises. Students will have the opportunity to practice basic musical skills and to listen to, discuss, and write about music. Offered every semester.

**Credit: 3 Hours****MUSC 111 Theory I**

R

An introduction to the basic principles of harmony in tonal music. This course begins with a brief review of pitch, rhythm, meter, scales, key signatures, intervals, and triads, and then continues with a thorough study of diatonic harmony through Roman numeral analysis and part-writing. Intended for students who already have a solid foundation in music fundamentals (as given in MUSC 110). Offered every Fall. Prerequisite: A grade of C or better in MUSC 110 or departmental permission. Co-requisites: MUSC 171 & 141.

**Credit: 3 Hours****MUSC 112 Theory II**

R

A continuation of the concepts introduced in Music Theory I, with particular focus on chromatic harmony. This course covers phrase form, seventh chords, modulation, secondary functions and other chromatic chords. Offered every Spring. Prerequisite: MUSC 111. Co-requisites: MUSC 172 & 142.

**Credit: 3 Hours****MUSC 121 English and Italian Diction**

This course is designed to introduce the student to the International Phonetic Alphabet (IPA) and its application for the singer and choral conductor with particular regard to the English and Italian languages. While not intended as a substitute for proper study of a language, this course is designed to aid the student in producing clarity, accuracy, ease, and uniformity in the singing of these languages. Offered Fall in odd-numbered years.

**Credit: 1 Hour****MUSC 122 French and German Diction**

A continuation of Music 121, with particular regard to the German and French languages. Offered Spring in even-numbered years.

Prerequisite: Music 121.

**Credit: 1 Hour****MUED 125 CMENC**

Enrollment and membership in the Collegiate Music Educators National Conference (CMENC) is required of all music education majors. Regularly scheduled meetings will allow students to explore special topics in music education with leaders in the field. Offered every semester.

**Credit: 0 hours****MUSC 141 Keyboard Skills I**

Keyboard study in a laboratory setting. This course covers basic keyboard skills ideal for beginning piano students and those preparing for the piano proficiency examination. Offered every Fall.

Co-requisites: Music 111 and 171

**Credit: 1 Hour****MUSC 142 Keyboard Skills II**

Keyboard study in a laboratory setting. This course provides continued study of keyboard skills in preparation for the piano proficiency examination. Offered every Spring.

Prerequisite: Music 141 or departmental approval

Co-requisites: Music 112 and 172

**Credit: 1 Hour****MUSC 145 Guitar Class**

Instruction in guitar offered in a laboratory format. Designed for beginners only. Offered every semester.

**Credit: 1 Hour****MUSC 146 Piano Class**

Instruction in piano offered in a laboratory format. Designed for beginners only. Offered every semester.

**Credit: 1 Hour****MUSC 147 Class Voice**

Instruction in voice offered in a laboratory format. Designed for beginners only. Offered every Fall.

**Credit: 1 hour****MUSC 171 Aural Theory I**

This course offers basic training in the development of aural skills through sight-singing, rhythm reading, interval and chord recognition, error detection, and melodic, rhythmic, and harmonic dictation. Emphasis will be on diatonic, conjunct melodies, simple rhythms, and basic chord progressions. Offered every Fall. Co-requisites: MUSC 111 and 141.

**Credit: 1 Hour****MUSC 172 Aural Theory II**

This course offers continued training in the development of aural skills through sight-singing, rhythm reading, interval and chord recognition, error detection, and melodic, rhythmic, and harmonic dictation. Emphasis will be on diatonic melodies with larger leaps, moderately difficult rhythms, and longer chord progressions using all diatonic triads and inversions. Offered every Spring. Prerequisite: Music 171. Co-requisite: MUSC 112 & 142.

**Credit: 1 Hour****MUSC 201 Beginning Conducting**

Introduction to the principles and techniques of choral and instrumental conducting. Offered Spring in even-numbered years.

Prerequisites: Music 111, 171 and departmental approval.

**Credit: 2 Hours****MUED 202 Teaching Music with Technology**

This course is designed to introduce students to a large variety of software, hardware and MIDI applications available for use within the music classroom. It will also introduce the student to the grant writing process. The course will take place in both a classroom and laboratory setting. Offered spring in even-numbered years.

**Credit: 3 hours****MUED 205 Vocal Methods**

Basic instruction in performance and teaching voice as well as the study of vocal methods & materials appropriate for students at the beginning, intermediate, and advanced levels of instruction. Emphasis is on the fundamentals of singing at the beginning level. Offered fall in even-numbered years.

Prerequisite: MUSC 147 or one semester of a choral ensemble.

**Credit: 1 Hour**

**MUED 206 String Methods**

Basic instruction in performance and teaching of orchestral string instruments as well as the study of instructional methods & materials appropriate for students at the beginning, intermediate, and advanced level of instruction. Emphasis is on the fundamentals of playing the instruments at the beginning level. Offered spring in even-numbered years.

**Credit: 1 hour**

**MUED 207 Percussion Methods**

Basic instruction in the performance and teaching of percussion instruments as well as the study of instructional methods & materials appropriate for students at the beginning, intermediate, and advanced level of instruction. Emphasis is on the fundamentals of playing the major percussion instruments at the beginning level. Offered fall in odd-numbered years.

**Credit: 1 hour**

**MUED 208 Brass Methods**

Basic instruction in the performance and teaching of brass instruments as well as the study of instructional methods & materials appropriate for students at the beginning, intermediate, and advanced level of instruction. Emphasis is on the fundamentals of playing the instruments at the beginning level. Offered spring in odd-numbered years.

**Credit: 1 hour**

**MUED 209 Woodwind Methods**

Basic instruction in the performance and teaching of woodwind instruments as well as the study of instructional methods & materials appropriate for students at the beginning, intermediate, and advanced level of instruction. Emphasis is on the fundamentals of playing the instruments at the beginning level. Offered fall in even-numbered years.

**Credit: 1 hour**

**MUSC 211 Music Theory III**

An examination of the music from the late Renaissance to the Classical periods through the analysis of selected works from each period. This course introduces counterpoint and pursues further study of harmony and form, including binary and ternary forms, fugue, theme and variations, sonata form, and rondo form. Offered every Fall.

Prerequisite: Music 112. Co-requisite: MUSC 271 & 241.

**Credit: 3 Hours**

**MUSC 212 Music Theory IV**

An examination of the music from the Romantic period to the twentieth century through the analysis of selected works from each period. This course continues the study of form from Music Theory III and pursues an advanced study of chromatic harmony. Methods for the analysis of post-tonal music and other styles of twentieth-century music will be discussed and applied. Offered every Spring.

Prerequisite: Music 211. Co-requisite: MUSC 272 & 242

**Credit: 3 Hours**

**MUED 225 Introduction to Vocal Pedagogy**

This course covers the foundation and process of singing as it pertains to prospective teachers of singing. Its topics include but are not limited to the following: the philosophy and psychology of singing; respiration, phonation, registration, resonance, articulation, the diagnosis and correction of faults related to these areas; and the use, pathology, and care of the singer's instrument. Offered fall of odd-numbered years.

Prerequisites: two semesters of applied study in voice.

**Credit: 2 hours**

**MUED 226 Introduction to Instrumental Pedagogy**

This course covers the foundation and process of applied instrumental instruction as it pertains to prospective instrumental teachers. Its topics include but are not limited to the following as they relate to standard wind and percussion instruments: respiration, articulation, registration, embouchure, posture, the diagnosis and correction of faults related to these areas; and the use and care of these instruments. Offered fall of odd-numbered years.

Prerequisites: MUED 208 & 209.

**Credit: 2 hours**

**MUSC 231 History of Jazz**

R

This course provides an introduction to jazz and its history. This course will examine the origins of jazz, learn about different styles of jazz in various historical eras, and familiarize the student with the "jazz giants" - those players and singers who have made lasting contributions to this uniquely American art form. A primary focus in this class will be learning how to listen to, understand, and enjoy jazz. Offered every spring.

**Credit: 3 Hours**

**MUSC 232 World Music**

R

This course provides an introduction to the musical traditions of a number of world cultures including the music of India, the Middle East, China, Japan, Indonesia, Africa, Europe, Latin America, the Caribbean, and North America (including Native American music). In each culture studied students will learn not only to appreciate different styles of world music aesthetically as listeners, but to understand the role that such music plays in its own culture. Offered every fall.

**Credit: 3 hours**

**MUSC 241 Keyboard Skills III**

Keyboard study in a laboratory setting. This course provides continued study of keyboard skills in preparation for the piano proficiency examination. Offered every Fall.

Prerequisite: Music 142.

Co-requisites: Music 211 and 271

**Credit: 1 Hour**

**MUSC 242 Keyboard Skills IV**

Keyboard study in a laboratory setting. This course provides continued study of keyboard skills in preparation for the piano proficiency examination. Offered every Spring.

Prerequisite: Music 241.

Co-requisites: Music 212 and 272

**Credit: 1 Hour**

**MUSC 266 Auditioning**

Auditioning introduces students to the audition as a form and provides intensive practice in preparation and presentation of auditions in a variety of formats. The course also requires students to prepare resumes for specific employment purposes, to choose appropriate head shots for auditioning, to practice a variety of callback formats, and to audition for professional employment. (Cross-listed as Theatre 266).

**Credit: 2 Hours**

**MUSC 271 Aural Skills III**

This course offers continued training in the development of aural skills through sight-singing, rhythm reading, error detection, and melodic, rhythmic, and harmonic dictation. Emphasis will be on two- and three-part melodic dictation, more difficult rhythms, and chord

progressions using all triads and sevenths with inversions. Offered every Fall.

Prerequisite: Music 172. Co-requisite: MUSC 211 & 241.

*Credit: 1 hour*

### MUSC 272 Aural Skills IV

This course offers continued training in the development of aural skills through sight-singing, rhythm reading, error detection, and melodic, rhythmic, and harmonic dictation. Emphasis will be on chromatic, modal, and modulating melodies, challenging rhythms, and harmonic dictation of chord progressions that modulate or use chromatic chords. Offered every Spring. Prerequisite: Music 271. Co-requisite: MUSC 212 & 242

*Credit: 1 Hour*

### MUSC 301 Advanced Instrumental Conducting

Advanced conducting and rehearsal techniques applicable to instrumental ensemble literature and performance. Emphasis will also be placed on score reading and error detection skills. Offered spring of even-numbered years.

Prerequisites: Music 201.

*Credit: 2 Hours*

### MUSC 302 Advanced Choral Conducting

Advanced conducting and rehearsal techniques applicable to choral ensemble literature and performance. Emphasis will also be placed on score reading and error detection skills. Offered Fall in odd-numbered years.

Prerequisites: Music 201.

*Credit: 2 Hours*

### MUSC 311 Form & Analysis

Aural and visual analysis of basic musical forms including simple and complex binary, simple and complex ternary, rounded binary, theme and variations, the Classical sonata-cycle, and fugue. Attention will be given to extended works with thorough analyses of complete movements, including works scored for orchestra. Offered every Spring.

Prerequisites: Music 211.

*Credit: 2 Hours*

### MUSC 312 Orchestration & Arranging

This course provides an introduction to techniques of scoring and arranging for a variety of ensembles, including full orchestra. Course activities will include scoring exercises for strings, woodwinds, brass, and percussion, piano reductions, piano transcriptions, and the creation of professional scores and parts. Additional attention will be given to arranging for choral ensembles. Students will be required to use music notation software. Offered spring of odd-numbered years.

Prerequisite: Music 212 or departmental permission.

*Credit: 2 Hours*

### MUSC 321 Choral Literature

This course provides a survey of choral literature for all ability levels with particular emphasis on assessing the suitability of literature for various age groups and developing knowledge of appropriate performance practice for various style periods. Offered fall of even-numbered years beginning 2010.

*Credit: 2 hours*

### MUSC 322 Band Literature

This course provides a survey of band literature for all ability levels with particular emphasis on assessing the suitability of literature for various age groups and developing knowledge of appropriate performance practice for various style periods. Offered fall of even-numbered years beginning 2010.

*Credit: 2 hours*

### MUED 323 Marching Band Techniques

This course will introduce the student to history and evolution of contemporary marching bands, administrative and philosophical concepts involving marching band in an educational setting, and help to develop skills in show charting, design, and a variety of marching techniques. Offered fall of odd-numbered years.

*Credit: 2 hours*

### MUED 324 Music in the Elementary School

This course focuses on knowledge and skills required of general music teachers working with the developing child including, but not limited to, knowledge of Kodaly and Orff methods, the study of music repertoire suitable to middle and upper elementary students, and the development of curricula and assessment techniques with regard to the National Standards for Arts Education. Offered fall of even-numbered years beginning 2010.

Prerequisite: MUED 110

*Credit: 2 hours*

### MUED 325 Advanced Vocal Pedagogy

This course covers the foundation and process of singing as it pertains to prospective teachers of singing and continues with topics covered in MUED 225 with an emphasis on practical application. Additionally, its topics will include, but are not limited to, the following: the anatomy of the vocal mechanism, historical perspectives in vocal pedagogy, and appropriate literature selection. Offered spring of even-numbered years.

Prerequisites: MUED 225

*Credit: 2 hours*

### MUSC 330 Music History I

P,R,W

This course addresses the development of Western Music from the early Greek period to the end of the Baroque and introduces major trends and developments in non-Western cultures including, but not limited to, Islamic, Indian, Asian, and African music. Emphasis is placed on musical styles, composers, and representative compositions of each period. This course has been identified as a Writing Proficiency course and so requires successful completions (C- or better) of WRIT 101.

Offered in Fall in even-numbered years.

*Credit: 3 Hours*

### MUSC 331 Music History II

P,R,W

This course addresses the development of Western Music from the Classic period to the present and introduces major trends and developments in non-Western cultures including, but not limited to, Islamic, Indian, Asian, and African music. Emphasis is placed on musical styles, composers, and representative compositions of each period. This course has been identified as a Writing Proficiency course and so requires successful completions (C- or better) of WRIT 101.

Offered in Spring in odd-numbered years.

*Credit: 3 Hours*

**MUSC 332 History of Musical Theatre**

L,R

This course examines the development of musical theatre as a genre by studying the librettos and recorded or printed scores of a wide range of plays from the eighteenth century to the present.

**Credit: 3 Hours****MUED 401 Secondary Instrumental Methods**

The course addresses the role of instrumental music instruction in public education, techniques of teaching instrumental music, and the study of music from various cultures appropriate to students in instrumental ensembles, and the administration and organization of instrumental ensembles. The course includes observations and instruction experiences in public school music classes, formulation of age-appropriate lesson plans, and peer teaching opportunities. Offered fall of even-numbered years beginning in 2010.

Prerequisites: MUSC 301 &amp; MUED 110

**Credit: 3 hours****MUED 402 Secondary Choral Methods**

The course addresses the role of choral music instruction in public education, techniques of teaching choral music, and the study of music from various cultures appropriate to students in choral ensembles, and the administration and organization of choral ensembles. The course includes observations and instruction experiences in public school music classes, formulation of age-appropriate lesson plans, and peer teaching opportunities. Offered spring of even-numbered years.

Prerequisites: MUSC 302 and MUED 110

**Credit: 3 hours****MUED 403 Music for Early & Middle Childhood Education**

This course addresses the planning and implementation of musical experiences in the elementary grades including an introduction to Orff, Kodaly and music in special education, all considered in light of contemporary child development theory. The course includes observations and instruction experiences in public school music classes, formulation of age-appropriate lesson plans, and peer teaching opportunities. Offered fall of odd-numbered years.

Prerequisite: MUED 110

**Credit: 3 hours****MUED 425 Pedagogy Practicum**

A supervised teaching experience in which students will be required to evaluate, develop individualized lesson plans for, and teach private applied students throughout the semester. Offered fall of even-numbered years.

Prerequisite: MUED 325

**Credit: 2 hours****MUED 457 Special Seminar in Music Education**

This seminar is offered in conjunction with the student teaching semester and will address topics ranging from licensure examination preparation to resume preparation as well as provide an opportunity for students to exchange ideas and learn from their different teaching assignments. Offered every spring beginning in 2011.

Co-requisite: MUED 490

**Credit: 1 hour****MUSC 485 Senior Capstone**

Designed to be completed during a student's senior year of study. This course is offered as an independent project supported by several collective class sessions. Each student completes a special project in

the area of the student's emphasis, which includes a supportive paper that journals the procedure of the special project and explains the relationship of all other aspects of their musical discipline to that project. Students in the BA in Music Performance program must complete Option A. Students in the BA in Music degree may choose from Options B through E:

- A. Music Performance: Student will present a one-hour senior recital in their area of emphasis (instrumental, vocal, or conducting). Students choosing this option will give their recital in addition to the recital requirement, which should then be presented in their junior year. This option is available to students completing a BA in Music Performance only.
- B. Music Theory/ Composition: Student will present a major paper of theoretical analysis and/or a portfolio of original composition(s) for performance
- C. Music Scholarship: Students will present a research thesis on musicological or theoretical subjects in both written and lecture forms.
- D. Applied Pedagogy: Student will present a lecture-recital to demonstrate pedagogical principles and results. Prerequisite: Special study in pedagogy
- E. Internship: Departmental approved, supervised field experience in music or music-related activities.

**Credit: 3 Hours****MUED 490 Student Teaching: Multi-Age Music**

Fourteen week supervised professional teaching experience in the greater Washington County, Ohio area in two (seven week) supervised placements in both a secondary and elementary music classroom. Supervision shall be done by a Marietta College faculty member and a selected cooperating teacher(s) who have had Pathwise mentor training and who possess appropriate credentials and experience in music. Students

are required to follow school district calendar. Prerequisite: Departmental Approval and completion of all 400-level music education coursework. Offered every spring beginning in 2011.

Co-requisite: EDUC 452 and MUED 457

**Credit: 12 hours****Applied Music Study****MUSC 150, 151, 251, 351, 451**

Applied music study is available to all students of Marietta College ranging from beginners to those with previous experience. The department of music offers individualized instruction in piano, voice, guitar, and all major orchestral instruments. Beginning students should register for Preparatory Applied Study (Music 150). Credits in Preparatory Study may NOT be applied toward either a minor or major in music. Students who have taken lessons previously or those wishing to pursue a major or minor in music should contact the department of music prior to registration at higher levels of study. Offered every semester.

**Credit: 1 Hour each semester (for one half-hour of private instruction per week). With departmental permission, 2 hours of credit per semester may be elected (for two half-hours of private instruction per week).**

Fee: See the Undergraduate Tuition, Fees, and Financial Aid section of this catalog.

## Ensembles

Performing ensembles play an important role in life at Marietta College and are open to all interested students. Students may earn a maximum of 3 hours towards the Fine Arts General Education requirement from Music 161, 162, 163, 165, 361 and applied lessons, excluding Music 150. Offered every semester.

*Credit: 1 hour*

### MUSC 161 Menís Ensemble

The Men's ensemble performs a variety of musical styles suitable to male voices. No audition is required.

### MUSC 162 Womenís Choir

The Women's Choir performs a variety of musical styles suitable for female voices. No audition is required.

### MUSC 163 Oratorio Chorus

The Oratorio Chorus performs major choral/orchestral works each semester and is open to both Marietta College students and members of the community. No audition is required.

### MUSC 164 Chamber Singers

The Chamber Singers are a select group of 8 to 12 singers that perform a wide variety of musical styles. These singers perform frequently within the Marietta community. Auditions are held the first week of fall term.

### MUSC 165 Symphonic Wind Ensemble

The Symphonic Wind Ensemble provides students with the opportunity to rehearse and perform high quality wind band literature with emphasis placed on both individual and group improvement. Both large and chamber ensemble music is programmed for each concert with the intent of providing members with a wide variety of performing experiences. Instructor permission is required to enroll.

### MUSC 166 Jazz Ensemble

This ensemble provides exposure to high quality jazz literature with emphasis placed on jazz styles and performance practices. Instructor permission is required to enroll.

### MUSC 167 Percussion Ensemble

A flexible ensemble(s) for smaller works for percussion instruments including Mallet Mania, Marietta College's marimba ensemble. Instructor permission is required to enroll.

### MUSC 168 Woodwind Ensemble

A flexible ensemble(s) for smaller works for woodwind instruments. Instructor permission is required to enroll.

### MUSC 169 Brass Ensemble

A flexible ensemble(s) for smaller works for brass instruments. Instructor permission is required to enroll.

### MUSC 361 Concert Choir

The Concert Choir is a select mixed chorus requiring an informal audition. As the primary touring ensemble of Marietta College the choir has performed throughout the United States. Concert tours are scheduled annually during the week following graduation day in early May. Auditions may be scheduled during Freshman Orientation or during the first week of classes in the fall term.

## Organizational Communication/Public Relations

(See Communication and Media Studies for major)

## Petroleum Engineering

Edwy R. Brown Department of Petroleum Engineering and Geology

Website: <http://www.marietta.edu/~petr/>

Chair: Dr. Robert W. Chase (Bob.Chase@marietta.edu)

Associate professors: David C. Freeman, Robert Lipset, Benjamin Thomas; technician: Daniel R. Jones

Secretary: Laura Pytlík

Petroleum engineering is a specialized discipline that prepares students primarily for careers in the exploration, production, processing and transportation of crude oil and natural gas. The petroleum engineer deals with a product that cannot be seen, held, examined or tested until it has been located in rock formations deep within the earth and brought to the surface. In light of this, petroleum engineers must be capable of designing, drilling, completing and analyzing subsurface well systems; characterizing and evaluating subsurface geological formations and their resources; designing and analyzing systems for producing, injecting, and handling fluids; applying reservoir and production engineering principles and practices to optimize resource development and management; and applying economics to these tasks under conditions of risk and uncertainty. The engineering science and technology involved in petroleum engineering also has direct application in the fields of environmental engineering and hydrology where subsurface well systems are used to access fluids in the earth.

The department's vision for the Petroleum Engineering program is to be recognized by the global petroleum industry and educational institutions as one of the premier petroleum engineering programs in the United States. The program's mission is to graduate well-rounded baccalaureate petroleum engineers who are prepared for entry-level positions in the petroleum industry, graduate school, and life-long learning and professional development, and are capable of becoming professional engineers and leaders in the global petroleum industry. For more on the program and its objectives, goals, and learning outcomes please consult the website.

**Requirements for a major in Petroleum Engineering:** (137 hours are required for the B.S.P.E. degree.) Petroleum Engineering 216, 302, 317, 318, 341, 342, 343, 405, 406, 421, 423, and 430; Engineering 311, 312, 321, 325, 331, and 351; Mathematics 125, 224, 235, 257 and 302; Geology 111, 112, and 326; Physics 221 and 222; Chemistry 131-134; Computer Science 210; and Writing 307. Capstone: Petroleum Engineering 430.

All majors must fulfill all of the general college requirements.

### Petroleum Engineering

PETR 216

PETR 302

PETR 317

PETR 318

PETR 341

PETR 342

### 32 Hours

PETR 343 <input type="checkbox"/>	PETR 405 <input type="checkbox"/>	PETR 406 <input type="checkbox"/>
PETR 421 <input type="checkbox"/>	PETR 423 <input type="checkbox"/>	
<b>Engineering</b>		<b>18 Hours</b>
EGRG 311 <input type="checkbox"/>	EGRG 312 <input type="checkbox"/>	EGRG 321 <input type="checkbox"/>
EGRG 325 <input type="checkbox"/>	EGRG 331 <input type="checkbox"/>	EGRG 351 <input type="checkbox"/>
<b>Mathematics</b>		<b>17 Hours</b>
MATH 125 <input type="checkbox"/>	MATH 224 <input type="checkbox"/>	MATH 235 <input type="checkbox"/>
MATH 257 <input type="checkbox"/>	MATH 302 <input type="checkbox"/>	
<b>Geology</b>		<b>11 Hours</b>
GEOL 111 <input type="checkbox"/>	GEOL 112 <input type="checkbox"/>	GEOL 326 <input type="checkbox"/>
<b>Physics</b>		<b>8 Hours</b>
PHYS 221 <input type="checkbox"/>	PHYS 222 <input type="checkbox"/>	
<b>Chemistry</b>		<b>8 Hours</b>
CHEM 131 <input type="checkbox"/>	CHEM 132 <input type="checkbox"/>	CHEM 133 <input type="checkbox"/>
CHEM 134 <input type="checkbox"/>		
<b>Computer Science</b>		<b>3 Hours</b>
CSCI 210 <input type="checkbox"/>		
<b>English</b>		<b>3 Hours</b>
WRIT 307 <input type="checkbox"/>		
<b>Capstone</b>		<b>3 Hours</b>
PETR 430 <input type="checkbox"/>		
<b>Total</b>		<b>103 Hours</b>

### Suggested Program of Study

Candidates are cautioned to work closely with advisors in the Department of Petroleum Engineering and Geology.

The eight-semester course sequence recommended for petroleum engineering majors that follows is designed to provide students with a logical progression of courses beginning with fundamental courses in mathematics and general sciences. In turn, these courses provide a foundation for engineering science courses that give students the tools necessary for solving engineering design problems that are the real focus of the major in junior-and senior-level petroleum engineering courses. There is an inherent strong emphasis in the curriculum on the development of critical thinking and communication skills.

All majors seeking employment in the U.S. must take the Fundamentals of Engineering (FE) Exam during their senior year. Passing the exam is not a requirement. The FE Exam represents the first formal step in the process of becoming a registered professional engineer. It is also recommended that all majors join the Society of Petroleum Engineers.

Beginning with the 2008-09 academic year, students interested in majoring in Petroleum Engineering will be required to complete the following courses with a cumulative grade point average of 2.5 or higher to gain admittance into the Petroleum Engineering program.

FYSE 101, 102; WRIT 101; COMM 101; PETR 216; MATH 125; GEOL 111, 112; CHEM 131, 132, 133, 134. Students may repeat courses if necessary to attain the required GPA.

<b>Freshman Year: Fall</b>		<b>Spring</b>	
Chemistry 131, 133	4 hrs	Chemistry 132, 134	4 hrs
Writing 101	3 hrs	Communication 101	3 hrs
First Year Seminar	3 hrs	Geology 112	4 hrs
Geology 111	4 hrs	Mathematics 224	4 hrs
Mathematics 125	4 hrs	Petroleum 216	3 hrs
	18 hrs		18 hrs
<b>Sophomore Year: Fall</b>		<b>Spring</b>	
Computer Sc. 210	3 hrs	Engineering 312	3 hrs
Engineering 311	3 hrs	Engineering 321	3 hrs
Physics 221	4 hrs	Mathematics 235	3 hrs
Mathematics 302	3 hrs	Physics 222	4 hrs
General Education	3 hrs	General Education	3 hrs
	16 hrs		16 hrs
<b>Junior Year: Fall</b>		<b>Spring</b>	
Engineering 351	3 hrs	Writing 307	3 hrs
Petroleum 302	1 hr	Geology 326	3 hrs
Petroleum 317	3 hrs	Petroleum 318	3 hrs
Petroleum 341	3 hrs	Petroleum 342	3 hrs
Mathematics 257	3 hrs	Petroleum 343	3 hrs
General Education	3 hrs	General Education	3 hrs
	16 hrs		18 hrs
<b>Senior Year: Fall</b>		<b>Spring</b>	
Engineering 325	3 hrs	Engineering 331	3 hrs
Petroleum 405	3 hrs	Petroleum 406	4 hrs
Petroleum 421	3 hrs	Petroleum 423	3 hrs
General Education	9 hrs	Petroleum 430	3 hrs
	18 hrs	General Education	3 hrs
			16 hrs

\* The additional tuition fee for the one hour in excess of 18 is waived for first semester Petroleum Engineering majors.

**Requirements for a minor in Petroleum Engineering:** Chemistry 131 and 133; Computer Science 210; and Petroleum 216, 302, 317, 341, 343, and one 3 credit elective.

### Petroleum Engineering Courses

#### PETR 101 Energy Resources and Utilization C

This course is designed to develop a student's understanding and awareness of conventionally used forms of energy, including fossil fuels and nuclear. In addition to these traditional fuel sources, renewable energy sources including wind, solar, hydrogen, geothermal and bio-energy will be covered. Economic, environmental, social responsibility and ethical considerations will be incorporated in the course.

**Credit: 3 Hours**

**PETR 102 Energy Resources and Utilization Laboratory B**

Basic experiments and demonstrations are assigned in order to illustrate principles covered in Petroleum 101. Exercises are designed to advance the student's understanding of electricity, natural gas properties, gas storage applications and other forms of energy sources. Computer applications, significant internet research and field trips are learning tools used. Formal reports are required.

*Credit: 1 Hour*

**PETR 216 Petrophysics**

Properties of rocks and fluids that affect the distribution and movement of fluids such as oil, gas, water, or contaminants in porous media including porosity, permeability, capillary pressure, surface and interfacial tension, wettability, and viscosity; basic formation evaluation methods used to analyze oil and gas bearing rock formations and ground-water systems; various forms of Darcy's Law; introduction to engineering design; use of microcomputers in solution of problems and presentation of results; in-class laboratory experiments.

Prerequisite: Mathematics 121 or higher.

*Credit: 3 Hours*

**PETR 302 Drilling and Completion Fluids, Well Control and Casing Design Laboratory**

Investigation of filtration, chemical and rheological properties, including determination of barite sag index, well drilling fluids, and recommended procedures for design and control of desirable drilling fluid properties. Analysis of equivalent static density (ESD) profiles of synthetic-based mud (SBM) and mineral oil-based mud (MOBM) systems using PVT data with numerical integration. Detailed analysis of casing pressure profiles during well control operations for surface subsea and horizontal well control operations. Maximum load concept casing design. Three-hour laboratory.

Prerequisite: Concurrent enrollment in Petroleum 341.

*Credit: 1 Hour*

**PETR 317 Hydrocarbon Phase Behavior**

Qualitative and quantitative phase behavior of pure, binary, and multi-component systems; compressibility; viscosity; formation volume factors of gases and liquids; critical and pseudocritical constants; vapor pressure; dew point and bubble point; equilibrium constants; flash and differential vaporization.

Prerequisites: Chemistry 131 and 133; and Computer Science 210.

*Credit: 3 Hours*

**PETR 318 Reservoir Engineering**

Reservoir fluid and rock properties; reservoir types; calculation of hydrocarbons in place by volumetric method; generalized material balance equation; steady, pseudosteady, and unsteady state flow of reservoir fluids; water influx; reduced forms of material balance equation; performance prediction; coalbed methane reservoirs; computer applications.

Prerequisites: Petroleum 216 and 317.

*Credit: 3 Hours*

**PETR 341 Drilling Engineering**

Engineering planning, design and optimization considerations involved in well drilling operations including logistics and rotary drilling equipment requirements; drilling cost analysis; review of recommended drilling fluids and cement programs including cement placement techniques; review of tri-cone and PDC bit programs; gas-

cut mud calculations; hydrostatic pressure in gas and complex fluid columns; pore pressures and fracture gradients; drill collar design using force balance method; non-static well conditions including annular and pipe flow of Newtonian and non-Newtonian fluids; optimization of jet bit hydraulics; swab and surge pressures; innovative drilling practices.

Prerequisites: Petroleum 216 and concurrent enrollment in Petroleum 302.

*Credit: 3 Hours*

**PETR 342 Production Systems Engineering I**

Completion techniques; flowing well performance using Nodal analysis; design of beam pumping, submersible plunger lift, and gas lift production systems; decline curve analysis; preview of stimulation techniques; design considerations; economics; computer applications.

Prerequisite: Petroleum 216 and 317.

*Credit: 3 Hours*

**PETR 343 Formation Evaluation**

Techniques for subsurface evaluation of oil and gas reservoirs emphasizing quantitative interpretation of electric, sonic, and nuclear logs by overlay, cross-plot, and digital evaluation methods; multiple tool logging programs that provide comprehensive description of reservoir content and productivity.

Prerequisite: Petroleum 216.

*Credit: 3 Hours*

**PETR 405 Enhanced Recovery W**

Reservoir engineering aspects of water-flooding, gas injection, polymer flooding, CO<sub>2</sub> flooding, steam stimulation, steam flooding, and insitu combustion; design considerations and economics.

Prerequisites: Petroleum 318 and 342.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours*

**PETR 406 Natural Gas Engineering**

Flow of natural gas in pipelines; gas metering and regulation; compression of natural gas; dehydration, sweetening, and odorization of natural gas; gas well completion techniques; gas reservoir engineering; deliverability testing methods; production engineering methods using Nodal analysis; design considerations; economics; coalbed methane reservoirs; reservoir simulation; and computer applications. This course integrates lecture, laboratory and field experience. Review for Fundamentals of Engineering Exam.

Prerequisites: Petroleum 317 and 342.

*Credit: 4 Hours.*

**PETR 421 Transient Pressure Analysis**

Theory and application of well testing methods. Derivation and solution of the diffusivity equation for fluid flow in porous media for various boundary conditions. Pressure build-up, draw-down, injection, multi-rate and multi-well testing methods using analytical solutions and type curves applied for single and multi-phase flow. Well test design; introduction to reservoir simulation; microcomputer applications.

Prerequisites: Mathematics 302 and Petroleum 318.

*Credit: 3 Hours*

**PETR 423 Production Systems Engineering II**

Basic rock mechanics; theory of hydraulic fracturing and acidizing emphasizing optimization of treatment design; advanced production engineering topics including surface facilities design, corrosion in production operations, gravel pack design, production logging and horizontal wells.

Prerequisite: Petroleum 342.

**Credit: 3 Hours**

**PETR 430 Senior Capstone Design Seminar**

Students are assigned a comprehensive engineering design project. Work is done in teams. Students present their results in the form of a written report and 20-minute technical presentation using style adopted by Society of Petroleum Engineers.

Prerequisite: Senior standing.

**Credit: 3 Hours**

## Physical Education

(See Health and Physical Education)

## Philosophy

Department of History, Philosophy, Political Science, and Religion  
Website: <http://www.marietta.edu/~provost/majors/philosophy.html>

Chair: Dr. Matthew Young (Matt.Young@marietta.edu)

Professor: Kenneth J. Itzkowitz

Secretary: Paula R. Lewis

Requirements for a minor in Philosophy: 18 hours in Philosophy, including at least 6 hours at the 300 level.

### Philosophy Courses

**PHIL 120 Moral Philosophy**

**K**

Lecture and discussion of important moral questions. Stresses both persistent questions of moral philosophy and their relevance to present-day moral problems, and considers contributions of various intellectual areas outside of philosophy.

**Credit: 3 Hours**

**PHIL 201 Logic**

**Q**

Introduction to good reasoning. Nature and structure of good arguments, difference between deduction and induction, concepts of truth, relevance, validity, and soundness, different types of arguments, legitimate and illegitimate inferences, and fallacies.

Prerequisite: Communication 101

**Credit: 3 Hours**

**PHIL 211 Philosophy in Science Fiction**

**L**

The genre of science fiction arose in the mid-20th century as thoughtful people questioned the meaning of science and technology, and the massive historical and cultural forces these had suddenly set in motion. This was the age of the aftermath of the two World Wars, the first atomic bombs, the Cold War, the Senate hearings conducted by Joseph McCarthy, Sputnik, and the Cuban Missile Crisis. Science fiction arose in the popular culture as a response to the ongoing anxiety of this age, bemoaning the prospect that we had come to the point

where there could be a limit to the number of tomorrows the human race may still have.

This class will examine science fiction as a means to explore the unprecedented rise of science and technology that continues still today. We shall examine what science fiction was and what it has become, and how this reflects historical and cultural constants and changes. One thing that seems constant is the problem that the rise in science is not accompanied by similar improvements in human ethics and psychology—and this continues to provide fodder for the genre even today.

Texts for this course include a wide variety of novels, short stories, and films from representative figures, including Vonnegut, Heinlein, Spinrad, Dick, Asimov, Causey, Aldiss, Scheckley. Films will include the Matrix as well as a sampling of those dealing with the paradoxical logic of time travel.

**PHIL 241 Philosophy of Sex and Love**

**X**

Issues concerning nature, forms, and value of love, as well as its relation to such things as friendship, infatuation, sexual desire, marriage, and family. Selections from writings of prominent thinkers from Plato and Aristotle to Freud and Fromm form textual basis.

**Credit: 3 Hours**

**PHIL 321 Environmental Ethics**

**K**

A philosophical examination of moral values, choices, and lifestyles, as these relate to human use of the natural environment. We will consider various concepts of nature and scenarios of possible human futures, in examining the moral issues of environmental preservation.

Prerequisite: Two courses in any combination of philosophy and environmental science/studies, or permission of instructor.

**Credit: 3 Hours**

**PHIL 328 Philosophy of Art**

**R,W**

Art in most fundamental and general respects; nature of aesthetic experiences and nature and function of art criticism. Selected readings from works of prominent philosophers and art critics. Offered when warranted by academic requirements or student interest.

Prerequisite: Two courses any combination of philosophy and art or art history, or permission of instructor.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**PHIL 336 Existentialism**

**K,W**

Philosophical, literary, and psychological attempts to address plight of anonymous and alienated self in modern, technological world. Representative authors include Pascal, Kierkegaard, Dostoevsky, Nietzsche, Kafka, Heidegger, and others. Offered alternate years.

Prerequisite: One course in philosophy, or permission of instructor.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

**PHIL 341 Philosophy in Ancient Greece and Rome**

**P,W**

Philosophies of Plato and Aristotle, and consideration of representatives of Epicureanism, Stoicism, Skepticism, and NeoPlatonism. Offered when warranted by academic requirements or student interest.

Prerequisite: One 200-level course in philosophy or higher, or permission of instructor.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### PHIL 344 Late Modern Philosophy

P,W

Post-Kantian German Idealism, Positivism, and Marxism. Other 19th-century philosophy. Hegel, Schopenhauer, Comte, Mill, Marx, and Nietzsche. Offered when warranted by academic requirements or student interest.

Prerequisite: One 200-level course in philosophy or higher, or permission of instructor.

This course has been identified as a writing proficiency course and requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

## Physics

Department of Physics

Website: <http://www.marietta.edu/~phys/>

Chair: Dr. Dennis E. Kuhl (Dennis.Kuhl@marietta.edu)

Assistant professors: Ann Bragg, Craig Howald, Cavendish Q. McKay

Technician: Daniel R. Jones

Secretary: Jacquelyn B. Lane

The aim of the Physics Program at Marietta College is to provide students with a rigorous and thorough background in theoretical, experimental, and computational physics.

The Physics Major is intended primarily to prepare graduates for entry into respected graduate or professional schools. Through classes, laboratories, directed research, and summer internships, graduates of the program will be well prepared for further study in areas such as physics, applied physics, astronomy, engineering or applied science, science education, medicine, law, or business - to mention a number of the most prominent possibilities.

The Applied Physics Major is intended to prepare students for participation in the engineering school phase of the 3-2 Engineering Binary Program or for entry-level employment in a variety of technical fields immediately following graduation. The final two years of the Applied Physics Major involve selected course work and research chosen from among a variety of applied topics in physics and cognate areas in the sciences, mathematics, computer science, and engineering.

The Physics Minor provides students with a foundation in the tools, techniques, and concepts of physics in order to enhance the study of other fields.

The Astronomy Minor, accessible to motivated students in all disciplines, introduces the manner in which the process and concepts of physical science can be used to address questions in astronomy. With a Physics Major and Astronomy Minor, students will be well prepared to continue their studies of astronomy in graduate school.

The department also has a mission toward non-majors: to introduce students to the basic concepts of physical science and their application in general as well as in their chosen field.

**Requirements for a major in Physics:** 58 credit hours including

Chemistry 131, 133; Computer Science 210; Mathematics 125, 224, 225, and 302; Physics 221, 222, 321, 325, 331, 332, 342, 352, 362, 491, and 492; six additional hours selected from Physics 322, 381, 442, 452, 462 (Physics 381 may be counted only once).

### Physics Courses

PHYS 221

PHYS 222

**27 Hours**

PHYS 321

PHYS 325

PHYS 331

PHYS 332

PHYS 342

PHYS 352

PHYS 362

### Chemistry Courses

CHEM 131

CHEM 133

**4 Hours**

### Computer Science Course

CSCI 210

**3 Hours**

### Mathematics Courses

MATH 125

MATH 224

**15 Hours**

MATH 225

MATH 302

### Physics Electives:

#### Two of the following

PHYS 322

PHYS 381

**6 Hours**

PHYS 442

PHYS 452

PHYS 462

### Capstone

PHYS 491

PHYS 492

**3 Hours**

### Total

**58 Hours**

Students planning to attend graduate school should take as many as possible of the following: Computer Science 115; Mathematics 301, 304, 340 and 451; Physics 322, 381, 442, 452, 462, and one or two credits of 499.

**Requirements for a major in Applied Physics:** 58 credit hours including Chemistry 131, 133; Computer Science 210; Mathematics 125, 224, 225, and 302; Physics 221, 222, 321, 325, 331, 332, 491, and 492; fifteen additional hours selected from Biology 101, 102, 105, 106, 131, 318, Chemistry 132, 134, 331, 332, Computer Science 115, 116, 215, 216, 305, Engineering 311, 312, 321, Mathematics 123, 257, 338, 340, Physics 322, 376, 381.

### Physics Courses

PHYS 221

PHYS 222

**18 Hours**

PHYS 321

PHYS 325

PHYS 331

PHYS 332

### Chemistry Courses

CHEM 131

CHEM 133

**4 Hours**

### Computer Science Course

CSCI 210

**3 Hours**

### Mathematics Courses

MATH 125

MATH 224

**15 Hours**

MATH 225

MATH 302

### Electives: Fifteen hours from the following

BIOL 101, 105

BIOL 102, 106

**15 Hours**

BIOL 131

BIOL 318

CHEM 132, 134

CHEM 331

CHEM 332

CSCI 115

CSCI 116

CSCI 215

CSCI 216

CSCI 305

EGRG 311

EGRG 312

EGRG 321

MATH 123

MATH 257

MATH 338

MATH 340

PHYS 322

PHYS 376

PHYS 381

### Capstone

PHYS 491

PHYS 492

**3 Hours**

### Total

**58 Hours**

**Requirements for a minor in Physics:** 24 credit hours including Physics 221, 222, 321, 331; Mathematics 125 and 224; and one additional 300-level Physics course numbered 300 or higher not required for the student's major. This minor is exempt from the 12-hour rule for minors.

**Requirements for a minor in Astronomy:** 18 total credit hours including Astronomy 105, 106, 205, 305, and 306; four hours selected from Physics 101, 211, and 221.

**Astronomy Courses**

ASTR 105       ASTR 106       **14 Hours**  
 ASTR 205   
 ASTR 305       ASTR 306

**Physics Courses** **4 Hours**

**One of the following**  
 PHYS 101       PHYS 211       PHYS 221   
**Total** **18 Hours**

**Suggested Program of Study for the Physics Major**

<p><b>Freshman Year: Fall</b></p> <p>PHYS 221: General Physics I                  MATH 125: Calculus I</p>	<p><b>Spring</b></p> <p>PHYS 222: General Physics II                  MATH 224: Calculus II                  CSCI 210: Scientific Computing and Problem Solving</p>
<p><b>Sophomore Year: Fall</b></p> <p>PHYS 321: Modern Physics                  PHYS 331: Experimental Physics I                  MATH 225: Calculus III</p>	<p><b>Spring</b></p> <p>PHYS 325: Mathematical Methods for Physics                  PHYS 332: Experimental Physics II                  MATH 302: Differential Equations with Numerical Methods</p>
<p><b>Junior Year: Fall</b></p> <p>PHYS 342: Classical Mechanics I                  PHYS 352: Electricity and Magnetism I                  CHEM 131: General Chemistry I                  CHEM 133: General Chemistry Laboratory I</p>	<p><b>Spring</b></p> <p>PHYS 322: <i>Thermodynamics and Statistical Mechanics</i>                  PHYS 381: <i>Special Topics</i>                  PHYS 452: <i>Electricity and Magnetism II</i></p>

<p><b>Senior Year: Fall</b></p> <p>PHYS 362: Quantum Mechanics I                  PHYS 491: Physics Research I</p>	<p><b>Spring</b></p> <p>PHYS 442: <i>Classical Mechanics II</i>                  PHYS 462: <i>Quantum Mechanics II</i>                  PHYS 492: Physics Research II</p>
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Notes:

1. Students must complete at least two of the five courses in italics to satisfy the Physics Major (Physics 381 can count only once in satisfying this requirement).
2. Because of the prerequisite structure for courses in the Physics Major and the schedule of availability for some of the upper-level courses, it is important for students pursuing the Physics Major to follow the recommended sequence for courses in the major as closely as possible.
3. The recommended sequence of courses for the first two years of the Applied Physics Major is the same as for the Physics Major. The sequence for the final two years is dependent on the interest of each individual student and the courses are chosen in consultation with the student's advisor.

**Astronomy Courses**

**ASTR 105 Introduction to Astronomy** **B**  
 An introductory course intended for non-science majors. Topics will include the historical process of arriving at our present understanding of the universe, the solar system, distant stars and galaxies, current theories of the origin and evolution of our universe, and the natural laws that govern it all. Three hours of lecture/discussion and two hours of laboratory per week. Additionally, there will be two or three individual observation assignments that you will do on your own time as well as two or three required evening telescopic viewing sessions on the day of your lab when the weather is clear.  
 Prerequisite: Mathematics 080 or equivalent  
**Credit: 4 Hours**

**ASTR 106 Planetarium Seminar**  
 Learn to use the Anderson Hancock Planetarium! After several weeks of hands-on training in the planetarium, students will help give live public shows and develop new materials for future presentations. Course will meet for 2 hours per week for first five weeks of semester. Later in semester, students will participate in roughly 3 hours per week of shows, planetarium practice and show development. Public shows may occur during the day or in the evening.  
 Prerequisite: Astronomy 105 (formerly listed as Physics 105) or permission of instructor.  
**Credit: 1 Hour**

**ASTR 205 Life in the Universe**

C

A continuation of Introduction to Astronomy with a particular emphasis on astronomical issues related to the possible existence of extraterrestrial life. Topics will include the solar system and its history, extra-solar planets, changing physical conditions within our Galaxy and the current search for evidence of the existence of life elsewhere. This course is appropriate for all students who are interested in these issues.

Prerequisite: Astronomy 105 (formerly listed as Physics 105) or equivalent

**Credit: 3 Hours****ASTR 305 Big Bang and Beyond**

Still have questions about the Universe? In this course, we will consider some of the broadest scientific questions imaginable. Topics include the Big Bang, the Cosmic Microwave Background, the formation of structure within the Universe, dark matter, dark energy, and the future prospects for our Universe, trillions of years from now. This course is appropriate for all interested students.

Prerequisite: Astronomy 105 (formerly listed as Physics 105) or equivalent.

**Credit: 3 Hours****ASTR 306 Astrophysics**

Delve deeper into stars and our own Milky Way! While earlier astronomy classes are primarily qualitative in nature, here we will take a quantitative approach to learn more about the inner workings of stars. Topics include energy generation in stars, stellar structures, stellar evolution, white dwarfs, neutron stars, the interstellar medium and determining the structure of our Galaxy from within.

Prerequisite: Physics 221, 211 or 101. Astronomy 105 (formerly listed as Physics 105) and 205 or permission of instructor.

**Credit: 3 Hours****Physics Courses****PHYS 101 Explorations in Physics**

B

Students will explore fundamental concepts and practice the scientific method in a workshop setting. The format is activity-based, supplemented with demonstrations and discussion. Students will design and conduct self-directed projects. Topics will include motion, forces, and scientific theories as well as selections from light, sight, rainbows, heat, temperature, cloud formation, buoyancy, pressure, and flight. This course is appropriate for non-science majors. Six hours of integrated lecture/discussion and laboratory per week.

Prerequisite: Mathematics 080 or equivalent.

**Credit: 4 Hours.****PHYS 211 College Physics I**

B

Fundamental principles of mechanics. Main topics covered include motion in one and two dimensions, Newton's Laws, energy, momentum, rotational motion, and fluids. This course is appropriate for students in biology, health sciences, and computer sciences. Students majoring in engineering or physical sciences should take Physics 221. Six hours of integrated lecture/discussion and laboratory per week.

Prerequisite: Mathematics 121 or passing score on Calculus Readiness Test

**Credit: 4 Hours****PHYS 212 College Physics II**

B

A continuation of Physics 211. Main topics covered include thermodynamics, wave motion, electricity, and magnetism. Six hours of integrated lecture/discussion and laboratory per week. Prerequisite: Physics 211

**Credit: 4 Hours****PHYS 221 General Physics I**

B

Main topics covered include the principles of kinematics and dynamics for particles and rigid bodies; applications of Newton's laws of motion to linear, rotational, and oscillatory motion; conservation of energy, linear momentum, and angular momentum. This course is appropriate for students majoring in engineering or the physical sciences. Three hours of lecture/discussion and three hours of laboratory per week.

Prerequisite: Prior completion of, or concurrent registration in, Mathematics 125

**Credit: 4 Hours****PHYS 222 General Physics II**

B

A continuation of Physics 221. Main topics covered include thermodynamics, wave motion, electricity, and magnetism. Three hours of lecture/discussion and three hours of laboratory per week.

Prerequisites: Physics 221 and prior completion of, or concurrent registration in, Mathematics 224

**Credit: 4 Hours****PHYS 241 Digital Electronics**

Exposure to fundamentals of integrated circuit digital electronics widely used in hardware for computers, scientific research, and engineering and industrial applications. Four hours of lecture and laboratory per week. Offered in the fall of even calendar years.

Prerequisite: Physics 212 or 222

**Credit: 2 Hours****PHYS 321 Modern Physics**

Introduces the student to the key foundational developments of 20th Century physics. Topics will include special and general relativity and an introduction to quantum physics. Applications may be drawn from atomic physics, nuclear physics, particle physics, condensed matter physics, and cosmology. Three hours of lecture/discussion per week.

Prerequisite: Physics 222

**Credit: 3 Hours****PHYS 322 Thermodynamics and Statistical Mechanics**

An introduction to thermodynamics, the kinetic theory of gasses, and statistical mechanics. Three hours of lecture/discussion per week.

Prerequisite: Physics 222

**Credit: 3 Hours****PHYS 325 Mathematical Methods for Physics**

An introduction to the mathematical methods needed for advanced study in Physics. Topics include: vector and tensor analysis, ordinary and partial differential equations, calculus of variations, and integral transforms. Applications may be drawn from Thermodynamics, Classical Mechanics, E&M, and Quantum Mechanics. Three hours of lecture/discussion per week. (Also listed as Mathematics 325.)

Prerequisites: Physics 222

**Credit: 3 Hours**

**PHYS 331 Experimental Physics I** W

Experiments will be drawn from various areas of physics including modern and condensed matter physics, with emphasis on modern electronics and measurement techniques. Proper laboratory techniques, data recording, error analysis, and reporting of results and conclusions will be stressed. Two hours of laboratory twice per week.

Prerequisite: Physics 222

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 2 Hours**

**PHYS 332 Experimental Physics II** W

A continuation of Physics 331. Emphasis will be on developing the student's ability to work independently with a minimum of structured guidance. Two hours of laboratory twice per week.

Prerequisite: Physics 331

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 2 Hours**

**PHYS 342 Classical Mechanics I**

Analytical methods applied to kinematics and dynamics of particles and systems. Topics include motion of rigid bodies, oscillations, and central forces. Introduction to Lagrangian and Hamiltonian mechanics. Three hours of lecture/discussion per week.

Prerequisites: Physics 222 and Mathematics 302

**Credit: 3 Hours**

**PHYS 352 Electricity and Magnetism I**

A study of electrostatics, magnetostatics, electric and magnetic fields, and electrodynamics. Three hours of lecture/discussion per week.

Prerequisite: Physics 222 and Mathematics 302

**Credit: 3 Hours**

**PHYS 362 Quantum Mechanics I**

Non-relativistic quantum theory and its application to simple systems. Three hours of lecture/discussion per week.

Prerequisite: Physics 321 and Mathematics 302

**Credit: 3 Hours**

**PHYS 381 Special Topics**

Introduces the student to various contemporary areas of physics, typically covering topics of current research interest. Examples may include: elementary particle physics, optics, photonics and fiber optics, and condensed matter physics. Three hours of lecture and/or laboratory per week. May be repeated for credit.

Prerequisites: Physics 222 and written permission of instructor

**Credit: 3 Hours**

**PHYS 442 Classical Mechanics II**

A continuation of Physics 342. Advanced analytical techniques including Lagrangian and Hamiltonian mechanics. Three hours of lecture/discussion per week. Offered in the spring of odd calendar years.

Prerequisites: Physics 342

**Credit: 3 Hours**

**PHYS 452 Electricity and Magnetism II**

A continuation of Physics 352. Topics include electromagnetic waves, conservation laws, potentials, and radiation. Three hours of lecture/discussion per week.

Prerequisite: Physics 352

**Credit: 3 Hours**

**PHYS 462 Quantum Mechanics II**

A continuation of Physics 362. Perturbation theory and other approximation methods are applied to a variety of problems. Three hours of lecture/discussion per week.

Prerequisite: Physics 362

**Credit: 3 Hours**

**PHYS 491 Physics Research I**

Students conduct research on a project in physics. Experiments are tailored to the interests and abilities of students enrolled. Research includes laboratory work as well as a review of the current literature on the selected topic. Use of computer for data acquisition and analysis when appropriate. Three hours of laboratory/library research per week.

Prerequisite: Written permission of instructor

**Credit: 1 Hour**

**PHYS 492 Physics Research II**

Students finish the research project started in Physics 491. Both oral and written presentations of the results are required. Three hours of laboratory/library per week.

Prerequisite: Written permission of instructor

**Credit: 2 Hours**

**PHYS 495 Directed Research**

Experiments which introduce students to a variety of physical phenomena. The topic is selected by the student and the faculty research director, and the research is directed by the faculty member. Three to nine hours of lab per week.

Prerequisite: Written permission of instructor

**Credit: 1-3 Hours**

**PHYS 496 Independent Study**

In consultation with a faculty member, a student chooses and studies a topic of particular interest on an individual basis.

Prerequisite: Written permission of instructor

**Credit: 1-3 Hours**

**PHYS 497 Internship**

Students have the opportunity to obtain academic credit for work experience normally completed during the summer. Both oral and written presentations dealing with the experience are required.

Prerequisite: Written permission of instructor

**Credit: 1-3 Hours**

**PHYS 499 Physics Teaching Assistant Preparation**

Intended to prepare physics majors for graduate school teaching assistantships. Activities can involve assisting in the laboratory, conducting a weekly problem session, or grading homework or laboratory reports. Includes regular seminar meetings for discussing principles of good teaching as well as students' experiences. May be repeated once for credit.

Prerequisites: Written permission of instructor

**Credit: 1 Hour**

# Political Science and Sociology

Department of History, Philosophy, Political Science, and Religion  
 Chair: Dr. Matthew Young (Matt.Young@marietta.edu)  
 Associate professor: Michael Tager; assistant professor: Mark Schaefer;  
 instructor: Kathy Wolfe-Crouser  
 Secretary: Paula R. Lewis

The Political Science program introduces students to political phenomena through courses in the major sub-fields of the discipline, experiential opportunities, and co-curricular activities. A major in Political Science prepares students to pursue careers in government, politics, or private employment related to public affairs, as well as to enter professional or graduate school. The program also seeks to prepare students for informed democratic citizenship.

Students interested in particular fields of study within Political Science should group their courses and activities appropriately in consultation with their faculty advisor. For example, those interested in international studies and careers in diplomacy should take more of their course electives in the international relations sub-field, plan to study abroad and/or attend American University's Washington Semester program in the diplomacy track, apply for internships with the State Department and similar organizations, utilize our exchange relationship with the Foreign Affairs College and International Relations University of China and Methodist University of Piracicaba in Brazil, participate in the Model United Nations club, etc. Pre-law students can also group their elective courses (like Philosophy 201 to prepare for the LSAT), take internships in legal settings, join the pre-law club, etc. Students interested in pursuing careers in public policy should concentrate their electives in the policy sub-field, attend the Washington Semester program in policy studies, apply for internships at the Urban Institute or Heritage Foundation or similar organizations, etc.

**Requirements for a major in Political Science:** Thirty-three (33) hours in Political Science including 103 and 420; one public policy course chosen from 206 or 305; one law or political theory course from 301, 302, 313, 314; one comparative course from 120, 203, 226, 260, 312, 327, 330; one international course from 130, 207, 230, 340; study abroad or a political science internship for three credit hours or more; 12 hours of Political Science electives from courses not chosen to fill above requirements, excluding internships; 6 hours of History (3 hours of American History and 3 hours of European or non-western history); 6 hours of social science electives other than political science (two courses from Economics, Psychology, Sociology, or Leadership 103 or 111, and 201); and Mathematics 123 or 223. No more than six hours of internship may count toward the 33 hour minimum requirement. Capstone: Political Science 420.

- Political Science Courses** **3 Hours**  
 POLS 103
- Public Policy** **3 Hours**  
**One of the following**  
 POLS 206  POLS 305
- Laws or Political Theory** **3 Hours**  
**One of the following**  
 POLS 301  POLS 302  POLS 313   
 POLS 314

- Comparative Politics** **3 Hours**  
**One of the following**  
 POLS 120  POLS 203  POLS 226   
 POLS 260  POLS 312  POLS 327   
 POLS 329  POLS 330

- International Relations** **3 Hours**  
**One of the following**  
 POLS 130  POLS 207  POLS 230   
 POLS 340

- Internship or Study Abroad** **Minimum 3 Hours**  
 POLS X97 OR STUDY ABROAD

- Political Science Electives: Any four courses, excluding internships, not used to complete above-listed requirements** **12 Hours**  
 POLS \_\_\_  POLS \_\_\_  POLS \_\_\_   
 POLS \_\_\_

- American History** **3 Hours**  
**One course**  
 HIST

- European - non-Western History** **3 Hours**  
**One course**  
 HIST

- Social Science Electives:** **6 Hours**  
**Any two courses**  
 ECON  ECON  PSYC   
 PSYC  SOCI  SOCI   
 LEAD 103 OR 111  LEAD 201

- Statistics** **3 Hours**  
 MATH 123 OR 223

- Senior Capstone** **3 Hours**  
 POLS 420

**Total** **45-48 Hours**

**Requirements for a minor in Political Science:** 18 hours in Political Science including Political Science 103; one public policy course chosen from 206 or 305; one law or political theory course chosen from 301, 302, 313, or 314; one comparative course chosen from 120, 203, 226, 260, 312, 327, 329, 330; one international course chosen from 130, 207, 230, 340. Students seeking a minor in Political Science are encouraged to complete an internship in Political Science, but no more than 3 hours may count towards the 18-hour requirement.

## Political Science Courses

**POLS 103 American National Government** K,Y  
 Constitutional background, principal structural features, citizen participation, political processes, and major institutions of American national government. Emphasizes critical analysis of current political and governmental events, and application of course concepts to these events. *Credit: 3 Hours*

**POLS 120 Introduction to Comparative Politics** M,Y  
 An introduction to the broad issues of comparative politics through a general survey rather than the study of a particular country. The course examines principal concepts important to the understanding of comparative politics, then presents a series of country/issue studies as a base for comparison and discussion. *Credit: 3 Hours*

Undergraduate Programs  
 Political Science & Sociology

**POLS 130 Issues in International Politics**

M

Provides students with some basic material in understanding contemporary international politics. It is organized around several themes including the origins, development, and end of the post-Cold War era, the North-South conflict, the issues of economic interdependence, nationalism, human and state rights, nuclear proliferation, and regional integration.

*Credit: 3 Hours***POLS 201 State and Local Politics**

Historical development of local government in United States; decentralization and federalism; intergovernmental relations; state, urban, community, and neighborhood politics; politics of race and gender. Offered alternate years.

Prerequisite: Political Science 103.

*Credit: 3 Hours***POLS 203 Governments of Western Europe**

M

Comparative study of governments and politics of selected countries of Europe, including United Kingdom and Germany. Offered alternate years.

*Credit: 3 Hours***POLS 205 Political Behavior in United States**

Political behavior, motivations, and techniques of individuals and groups in United States; voter, public opinion, pressure groups, and political parties. Emphasizes current research and contemporary problems. Offered alternate years.

Prerequisite: Political Science 103 or written permission of instructor.

*Credit: 3 Hours***POLS 206 United States Public Policy**

K,Y,W

Overview of public policy-making process. How issues arise, how they are placed upon the public agenda, and how they may be kept off that agenda. Formation, implementation, and evaluation of public policies.

Prerequisite: Political Science 103.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours***POLS 207 American Foreign Policy**

Application of various policy process models to making of foreign policy. Examines several important foreign policy issues, such as relations with Russia and international economic policy.

*Credit: 3 Hours***POLS 210 Presidency and Executive Leadership**

K

Roles of president, governors, mayors, and other political executives in American political system, emphasizing possibilities and constraints for executive leadership. Offered alternate years.

*Credit: 3 Hours***POLS 212 Legislative Process:  
Role of Congress in federal policy-making**

Constitutional powers of Congress; variety of influences on Congress and its organization for decision-making. Importance of constituents, executive branch, political parties, colleagues, congressional committees, and media.

Prerequisite: Political Science 103 or written permission of instructor.

*Credit: 3 Hours***POLS 226 Introduction to Contemporary China**

Historically based understanding of emergence of contemporary China as a world power. Economic, political, and social trends in People's Republic of China today.

*Credit: 3 Hours***POLS 230 International Relations**

Y

The course focuses on theories and approaches in studying contemporary international politics. It is designed to help students become familiar with major, interdisciplinary theories of international relations, from classic realism to recent poststructuralism, thus to make some sense out of the apparent incoherence of the world scene.

*Credit: 3 Hours***POLS 260 Great Leaders in Latin American Politics**

Since its independence from Spain and Portugal in the early 1800s, Latin America has witnessed the rise and fall of many political leaders who have made a permanent imprint on the history and life of the region. This course introduces students to a sample of these "great leaders" in Latin American politics: Simón Bolívar (Venezuela, Colombia), Eva Perón (Argentina), Getúlio Vargas (Brazil), and Che Guevara (Cuba). While these specific countries are closely linked to their leadership, their legacy extends beyond borders. Bolívar's wars of liberation, for instance, continue to inspire Latin American political leaders today. These four political leaders are used to study current political leadership in Latin America. (Also listed as Leadership 260.) Offered in Fall in odd-numbered years.

*Credit: 3 Hours***POLS 301 Classical Political Thought**

K

Inquiries of ancient philosophers into such questions as source of political obligation and the nature of best political order; as well as the encounter of revealed religion with political philosophy. Readings in Thucydides, Plato, Aristotle, Augustine, and others. Offered alternate years.

*Credit: 3 Hours***POLS 302 Modern Political Thought**

Inquiries of modern philosophers into such questions as the use and abuse of power, the causes of alienation, and the relationship between theory and practice. Readings in Machiavelli, Hobbes, Locke, Rousseau, Marx, Nietzsche, and others. Offered alternate years.

*Credit: 3 Hours***POLS 305 Public Administration**

How public agencies function and why they function as they do. Organizational theories underlying large bureaucracies, and actual practices of management in public agencies.

Prerequisite: Political Science 103 or written permission of instructor.

*Credit: 3 Hours***POLS 306 Women and U.S. Politics**

K,X

Introduces student to experience and behavior of women in American political life. Gender differences in political socialization, political attitudes, and voting behavior. Experience of women in political leadership roles and public policy issues of special concern to women. Offered summers only.

Prerequisite: Political Science 103 or written permission of instructor.

*Credit: 3 Hours*

**POLS 310 Environmental Policy and Law** Y

Policies and politics of environmental protection and natural resource use are explored in this course. Origin and development of environmental law are examined with special emphasis on the role of the Public Trust Doctrine, Police Power, and traditions of Preservation and Conservation under law. The development and implementation of the National Environmental Policy Act and other key federal statutes are addressed. Principles governing regulatory compliance and execution of key natural resource and environmental management tasks at the federal and state levels are considered. (Also listed as Environmental Studies 310).

**Credit: 3 Hours****POLS 311 Politics of Global Ecology** M

Explores the range of conventions, treaties and other arrangements in international law and politics for the management and protection of global environmental resources. Particular attention is paid to the international laws regarding Antarctica, the Open Seas, the Atmosphere, Biodiversity, Transboundary Resources (including the Great Lakes, boundary river systems, and pelagic and diadromous species), and Outer Space. (Also listed as Environmental Studies 311.)

**Credit: 3 hours****POLS 312 Political Systems of Developing Nations** W

Selected nations in Africa, Asia, and Latin America compared and contrasted with respect to their traditional political systems, growth of nationalism, evolution of leadership and factions, contemporary socioeconomic framework of constitutional development, and their governmental problems and prospects.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****POLS 313 American Constitution**

Exploration of basic principles of the U.S. Constitution such as federalism and separation of powers, and controversies concerning them. Readings in founding documents, court decisions, and current writings. Offered alternate years.

**Credit: 3 Hours****POLS 314 Civil Liberties**

An examination of the U.S. Constitution's guarantees of rights and liberties through the study of Supreme Court decisions. Topics include freedom of expression, freedom of religion, due process rights, privacy and equal protection rights. Offered alternate years.

**Credit: 3 Hours****POLS 322 American Foreign Relations**

Significant factors that have shaped and are shaping American relations with outside world. Emphasizes period since 1898. Primary theme is clash between realistic and idealistic goals. (Also listed as History 322).

**Credit: 3 Hours****POLS 327 Governments of Russia and Eastern Europe** M

Comparative study of governments and politics of selected countries of Eastern Europe and Soviet Asia, with emphasis on recent changes. Offered when warranted by academic requirements or student interest.

**Credit: 3 Hours****POLS 329 Survey of Comparative Asian Societies**

Comparison of selected Asian civilizations, emphasizing emergence of new nation-states from old cultures, contrasting patterns of political and economic development, and current state of political affairs in each country studied.

**Credit: 3 Hours****POLS 330 Comparative Leadership Studies**

A comparative examination of the egalitarian leadership styles and the traditions of North America which contrasts them with the "great leader" views commonly found elsewhere with special attention to Europe and Asia. Such figures as Alexander the Great, Charles De Gaulle, Benjamin Franklin, John F. Kennedy, George Washington, and Mao Zedong are considered.

**Credit: 3 Hours****POLS 340 International Political Economy** W

The 1990s will be known as the decade of economics. Many analysts believe that economic contention will replace power politics as the dominant issue in post-Cold War international politics. The term international political economy highlights the intersection of politics and economics in the study of international relations. The purpose of this course is first to outline the major theoretical currents of international political economy, then explore the nature and implications of the challenges that now confront the world political economy.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours****POLS 420 Scope of Political Science**

Considers scope of political science through examination of research in various subfields of the discipline. Traces history of the discipline and major challenges and issues it faces. Some examination of research methods included.

Prerequisites: Senior standing; major or minor in political science.

**Credit: 3 Hours****POLS X97 Internship in Political Science**

Internships offering practical experience in and direct observation of government and politics, including those available through Washington Semester programs and Washington Center.

Prerequisite: Written permission of department chair and one member of political science faculty.

**Credit: maximum of 9 Hours.****Sociology Courses****SOCI 101 Introduction to Sociology** Y

An introductory course that details human behavior within a social context and focuses on the intersection of human free will and societal pressure to conform. Fundamental terms, theories, and concepts of sociology are covered. Issues addressed include: sociological research; culture; socialization; deviance; racial, age and gender inequality; family; religion; education; healthcare; and social change and social movements. Although dealing primarily with American society, the course also makes global comparisons.

**Credit: 3 Hours****SOCI 102 Introduction to Cultural Anthropology** Y

An introductory course focusing on human diversity from both cultural and biological viewpoints. Comparisons of specific worldwide

cultures, past and present, address issues such as: field research techniques; human and socio-cultural evolution; race and ethnicity; economic and political systems; gender, marriage, and kinship; religion; and art. Additionally fundamental terms, theories, and concepts of anthropology are covered.

*Credit: 3 Hours*

**SOCI 332 Sociology of Religion**

K, Y

Interrelations of religion and culture. Structure and influence of religious organizations. Roles of religious leaders, religion, and social control. (Also listed as Religion 332.)

*Credit: 3 Hours*

# Psychology

Department of Psychology  
Website: <http://www.marietta.edu/~psyc/>  
Chair: Dr. Ryan K. May  
Professors: Mark E. Sibicky; Mary V. Barnas; assistant professors: Alicia Doerflinger, Christopher Klein ; lecturer: Cheryl E. Arnold  
Secretary: Linda J. Gorman

The Department of Psychology identifies its mission as striving each day to give its students the best possible training and education in psychology. Students are provided with a comprehensive introduction to the scientific study of behavior and cognitive processes within the liberal arts tradition. The program emphasizes the scientific foundation of psychology; however, it also stresses the importance of applying psychological principles, methods, and findings to solving problems and improving people's lives. The psychology department strives to graduate all their undergraduate and graduate students with the knowledge, training and professional skills to seek advanced graduate training in psychology or to pursue employment in a career related to psychology.

**Requirements for a major in Psychology:** Psychology 101, 285, 286; five of the following electives, Psychology 206, 212, 301, 305, 310, 311, 350; any three additional psychology electives. Also required is a year-long applied experience which may be fulfilled by any one of the following: Clinical Experience: Psychology 370 and 481, Developmental Experience: Psychology 365 and 482, Industrial/Organizational Experience: Psychology 377 and Management 451, or Research Experience: Psychology 491 and 492; Capstone course: Psychology 401.

**Psychology Courses** **11 Hours**  
PSYC 101  PSYC 285  PSYC 286

**Psychology Electives** **15 Hours**  
**Five of the following**  
PSYC 206  PSYC 212  PSYC 301   
PSYC 305  PSYC 310  PSYC 311   
PSYC 350

**An additional three courses from the following** **9 Hours**  
PSYC 150  PSYC 207  PSYC 225   
PSYC 275  PSYC 301  PSYC 325   
PSYC 355  PSYC 365  PSYC 370   
PSYC 375  PSYC 377  PSYC 380

**Applied Experience: One of the following options** **3-6 Hours**

**Clinical**  
PSYC 370  PSYC 481

**Developmental**  
PSYC 365  PSYC 482

**Industrial/Organizational**  
PSYC 377  MNGT 451

**Research**  
PSYC 491  PSYC 492

**Capstone course** **3 Hours**  
PSYC 401

Note: Psychology 365, 370 and 377 can fulfill the requirement as both an additional Psychology elective and the first half of the Applied Experience requirement

**Total** **44-47 Hours**

## Description of Applied Experience Options

Psychology majors have four options to complete their applied experience requirement. This applied experience is typically completed during the senior year.

- Students interested in clinical or counseling psychology may enroll in Psychology 370 during the fall semester and then complete a supervised internship in a clinical setting during the spring semester.
- Students interested in developmental psychology may enroll in Psychology 365 in the fall semester and then complete a supervised internship in a developmental setting in the spring semester.
- Students interested in industrial/organizational psychology may enroll in Psychology 377 in the fall semester and then Management 451 (Business Consulting) in the spring. Management 451 will place teams of students in the field as business consultants.
- Students interested in basic research will enroll in Psychology 491 in the fall and Psychology 492 in the spring. They will conduct an experiment of their own design. The results of the study will be summarized in a final written research report.

Students who are majoring in Psychology and Education, or completing the requirements for a teaching certification, may count their student teaching experience as completion of the Applied Experience requirement. The student will write a paper that examines how the material learned in psychology courses can be used to make one a more effective teacher.

**Requirements for a minor in Psychology:** Psychology 101, 285, 286; two core Psychology electives from Psychology 206, 212, 305, 310, 311, 350; plus one additional course selected from Psychology 150, 207, 225, 301, 325, 355, 365, 375, 377 and 380.

## Psychology Courses

**PSYC 101 Introduction to Psychology I** C, Y

An introduction to the field of Psychological Science and a broad survey of the various areas of the discipline. The course reviews the empirical methods and theories used by psychologists to study human

behavior and mental processes. Emphasis is placed on the practical applications of psychological research and the influence it has on our everyday lives.

**Credit: 3 Hours**

### PSYC 150 Human Sexuality

An introduction to the study of human sexuality including a review of sexual behavior, orientation, and identity. Other topics include sex and gender role development, affective components of the sexual experience, and abnormalities of sexual function. These topics will be reviewed using evolutionary, physiological, behavioral, and social psychological perspectives.

**Credit: 3 Hours**

### PSYC 206 Child Development

Review of the area of psychology interested in understanding all facets of human growth and change from conception to puberty. Emphasis on empirical and theoretical issues of development.

Prerequisite: Psychology 101.

**Credit: 3 Hours**

### PSYC 207 Adolescence

A review of the field of psychology interested in understanding all facets of human growth and development from early adolescence through young adulthood. Emphasis on the empirical and theoretical issues of development during this period.

Prerequisite: Psychology 101.

**Credit: 3 Hours**

### PSYC 212 Social Psychology

K,Y

Review of field of psychology that attempts to understand how thoughts, feelings, and behaviors are influenced by others and the social situation. Includes examination of prejudice and discrimination, attitudes and attitude change, aggression, altruism, group dynamics, and leadership.

Prerequisite: Psychology 101.

**Credit: 3 Hours**

### PSYC 225 Psychology of Gender

X

Review of empirical and theoretical literature addressing the construct of gender. Emphasizes development of gender role and degree to which gender is independent of sex. May include historical review of psychological theories of gender and those experiences unique to each sex.

Prerequisite: Psychology 101.

**Credit: 3 Hours**

### PSYC 275 Psychology of Sport

Introduction to the field of sport psychology. Topics include an examination of psychosocial aspects of sport participation, team and group dynamics, performance enhancement, and sport and exercise environments.

Prerequisite: Psychology 101

**Credit: 3 Hours**

### PSYC 285 Statistics for the Behavioral Sciences

Q

Introduction to descriptive and inferential statistics and experimental designs used by social scientists. Development of computer skills for creating databases, analyzing data, and graphing results. Learn to interpret the results of data analysis and draw conclusions. Lectures and weekly laboratory period.

Prerequisites: Psychology 101.

**Credit: 4 Hours.**

### PSYC 286 Research Design

C,W

Introduction to research skills and APA writing style. Refinement of computer skills related to managing, analyzing, and graphing data. Includes a requirement to design and complete an original research study. Emphasis is placed on the interpretation and communication of results in the form of written research reports. Lectures and weekly laboratory period.

Prerequisite: Psychology 101 and 285.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 4 Hours.**

### PSYC 301 Selected Topics in Psychology

An in-depth examination of the research and theory behind a specific topic, debate or question in the field of psychology. Topics are chosen by the instructor and will vary from semester to semester. May be taken twice for credit with the consent of the advisor and department chair. Prerequisites: Psychology 101.

**Credit: 3 Hours**

### PSYC 305 Psychophysiology

Analysis of various psychological phenomena and their physiological basis. Physiological substrates for sensation and perception, learning and memory, social behavior, language and communication, and abnormal behavior and its treatment. Prerequisites: Psychology 101.

**Credit: 3 Hours**

### PSYC 310 Learning and Behavior Analysis

This course explores the process by which behavior changes as organisms interact with their environment. The course covers research and theories of classical and operant learning, as well as the application of these learning principles to issues relevant in our world.

Prerequisites: Psychology 101, (Psychology 285, 286 recommended but not required.)

**Credit: 3 Hours**

### PSYC 311 Cognitive Psychology

Comprehensive review of basic cognitive phenomena including perception, attention, memory, problem solving, and psycholinguistics. Emphasis is placed on the use of empirical research results to evaluate the major theories of cognition. The topics are integrated into a model of information processing in the human mind.

Prerequisites: Psychology 101, 285, and 286.

**Credit: 3 Hours**

### PSYC 325 Personality and Principles of Measurement

This course reviews the major theories and research methods in the field of personality. The course also focuses on the assessment techniques and measurement methods used to measure personality in applied settings, (e.g., businesses, schools and other organizations). Offered alternate years.

Prerequisites: Psychology 101, (Psychology 285 or some other quantitative reasoning course recommended but not required).

**Credit: 3 Hours**

### PSYC 350 Abnormal Psychology

W,X

Etiology, diagnosis, and treatment of psychological disorders from varying theoretical perspectives. An emphasis is placed upon multidimensional etiological factors.

Prerequisites: Psychology 101.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours*

### PSYC 355 Child Psychopathology

A review of the etiology, diagnosis, and treatment of disorders most frequently occurring during childhood. Reviews various theoretical perspectives, and the legal and ethical complexities of working with children.

Prerequisite: Psychology 101 and 206.

*Credit: 3 Hours*

### PSYC 365 Family Discord

A review of the nature and effects of anger and violence in the family. The causes, forms, and effects of anger and violence are discussed with an emphasis on how these issues affect children. The topic is explored through a review of the relevant scientific literature and an internship at the Washington County Supervised Visitation Center.

Prerequisite: Psychology 101 and 206.

*Credit: 3 Hours*

### PSYC 370 Introduction to Clinical Psychology

An introduction to the field of clinical psychology. Special focus will be placed on psychological assessment, psychotherapy, and clinical research methods. Important professional issues and various venues for the practice of clinical psychology are also discussed.

Prerequisites: Psychology 101 and 350

*Credit: 3 Hours*

### PSYC 375 Health Psychology

Psychological, medical and physiological research has brought about new ways of thinking about health and illness. Health and illness are now predominantly viewed as the result of a several different, but not mutually exclusive factors such as biological characteristics, behavioral factors, and social conditions. This course focuses on understanding how behavioral, biological characteristics, behavioral factors, social factors integrate to play a role in the onset and treatment of a variety of illness.

Prerequisite: Psychology 101.

*Credit: 3 Hours*

### PSYC 377 Industrial-Organizational Psychology

Application of psychological principles, theories and research to industrial-organizational settings. Emphasizes the application of the empirical perspective to areas of motivation, work-related attitudes, stress, group dynamics, leadership, decision making, and behavioral changes in organizational settings. Offered alternate years.

Prerequisite: Psychology 101.

*Credit: 3 Hours*

### PSYC 380 Psychology of Good and Evil

K

This course explores opposite points on the human behavior continuum: good and evil. The course involves an examination of various psychological, social and biological factors that contribute to behaviors characterized by society as "good", "bad" and "evil". Topics covered include, psychological theories of evil, the social psychology of helping and altruism, excuses and lies, destructive obedience to authority, mental disorders and crime, and ethical dilemmas surrounding the application of psychology to engineering human behavior.

Prerequisite: Psychology 101.

*Credit: 3 Hours*

### PSYC 401 The History and Systems of Psychology

W

A comprehensive examination of the history and growth of psychology as an experimental and applied science from the 1850's to the present. The course examines the development of psychology within the context of the social, cultural and scientific history of the Western world.

Prerequisites: Psychology 101, 285, 286 and senior standing.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

*Credit: 3 Hours*

### PSYC 481 Supervised Clinical Practicum

Students will complete significant supervised fieldwork in a facility or agency that provides services related to the practice of clinical psychology. In addition to approximately 8 hours of fieldwork, there will be a weekly on-campus academic course component that addresses relevant theoretical and applied issues. This course is typically offered in the spring semester only.

Prerequisites: Psychology 101, 350, 370 and senior standing.

*Credit: 3 Hours*

### PSYC 482 Supervised Developmental Practicum

Students will complete significant supervised fieldwork in a developmental setting. In addition to approximately 8 hours of fieldwork, there will be a weekly on-campus academic course component that addresses relevant theoretical and applied issues. This course is typically offered in the spring semester only.

Prerequisites: Psychology 101, 206, 285 and senior standing

*Credit: 3 Hours*

### PSYC 491 Psychology Research I

Student designs and implements an empirical research project that examines a phenomenon related to psychology. The project must bring to bear the student's knowledge of research design, data analysis and interpretation, and presentation of conclusions in a scholarly format. The paper will conform to all aspects of the editorial guidelines established by the American Psychological Association.

Prerequisites: Junior standing, Psychology 285 and 286.

*Credit: 3 Hours*

### PSYC 492 Psychology Research II

A continuation of Psychology 491. Students will prepare a final research report that will be evaluated by all full-time members of the Department of Psychology.

Prerequisite: Psychology 491.

*Credit: 3 Hours*

### PSYC Individualized Courses

Additional course work is offered through independent study and research. (See Individualized Courses as well as department chair for details.)

For information about the graduate program in Psychology, including the BA/MA option, see the Graduate Programs Catalog.

## Portuguese

(See Modern Languages)

## Public Accounting

(See Business & Economics for major)

## Public Relations

(See Communication and Media Studies for major in Advertising and Public Relations)

## Religion

Department of History, Philosophy, Political Science, and Religion  
 Chair: Dr. Matthew Young (Matt.Young@marietta.edu)  
 Assistant Professor: David Torbett  
 Secretary: Paula R. Lewis

**Requirements for a minor in Religion:** Religion 105, 106, and 12 additional hours in Religion.

### Religion Courses

#### RELI 101 Five Big Religions/Five Big Questions X, K

This course will explore the five major world religions: Judaism, Christianity, Islam, Hinduism, and Buddhism. We will also discuss some of the big religious questions that human being have continually struggle with. Our big questions may include: Is there a God (and can God's existence be proven)? If God exists, why do innocent people suffer? Can different religions be equally true? Is religious non-violence possible (or necessary)? What happens to us when we die?

#### RELI 105 Introduction to Contemporary American Religion I X

Basic content and methods of study of religion in academic context. Course explores the beliefs, worship practices, sacred texts, institutional structures and ethical codes of Judaism, Catholicism and mainstream Protestantism. It also examines the challenges posed for each tradition by certain aspects of contemporary culture (such as feminism and the movement for gay/lesbian rights).

**Credit: 3 Hours**

#### RELI 106 Introduction to Contemporary American Religion II X

Study of alternative religious traditions including Fundamentalism and Pentecostalism, communities such as the Jehovah's Witnesses and Mormons and groups popularly known as "cults." Course focuses on beliefs, sacred texts, institutional structures, rituals and ethical codes of these traditions. It also explores their interaction with American culture and the pertinent issues facing them.

**Credit: 3 Hours**

#### RELI 233 Religion and Nature X

A survey course addressing the diversity of religious worldviews on the natural environment. Course explores the historical and current interactions of faith and the natural world, then reviews worldviews

of many different religions, and finally examines emerging and recent trends like eco-centrism, eco-feminism, sustainability, earth-keeping, new cosmologies/Gaia, globalization, and eco-justice. (Also listed as Environmental Studies 233).

**Credit: 3 Hours**

#### RELI 310 History of Religion in United States P

Influence and interplay of multiple branches of Judeo-Christian religion in history of United States. (Also listed as History 310.)

**Credit: 3 Hours**

#### RELI 332 Sociology of Religion K,Y

Interrelationships of religion and culture. Structure and influence of religious organizations. Roles of religious leaders, religion, and social control. (Also listed as Sociology 332.)

**Credit: 3 Hours**

#### RELI 339 Middle Ages P

Europe from fall of Roman Empire to Renaissance in 14th century. Emphasizes major institutions, culture, and intellectual history of Middle Ages. (Also listed as History 339.)

**Credit: 3 Hours**

#### RELI 340 Renaissance and Reformation

Emergence of "new" Western man and woman as seen through institutions, literature, and art of 14th through 16th centuries. (Also listed as History 340.)

**Credit: 3 Hours**

#### RELI 376 Hebrew Bible/Old Testament

This course will be an introduction to and exploration of the Jewish Tanak, or Hebrew Bible, which Christians call their Old Testament. We will read substantial portions of the three major sections of the Hebrew Bible (law, prophets, and writings) in English translation with the help of a number of scholarly secondary sources. We will focus mainly on trying to understand biblical texts in their own historical contexts, but we will also explore how biblical themes resonate in other historical periods and in the present time. We will seek to understand how the Bible functions as a historical primary source, as a cultural influence, as literature, as a starting point for religious and philosophical discussion, and as a scripture for both the Jewish and the Christian tradition. (Also listed as History 376.)

**Credit: 3 Hours**

## Sociology

(See Political Science and Sociology)

## Spanish

(See Modern Languages for major and minor)

## Sports Management

(See Business & Economics, for minor)

## Sports Medicine

Department of Sports Medicine

Website: <http://www.marietta.edu/~spmd/>

Chair: Richard E. Crowther (Sam.Crowther@marietta.edu)

Assistant Professors: Jessica Rager, David Marchetti, Kemery Sigmund

Secretary: D. Elaine Addis

The mission of the Department of Sports Medicine is to prepare students to become qualified professionals for employment or graduate level education in Athletic Training. While maintaining the liberal arts tradition, the department provides exposure in the scientific, medical, and professional aspects of Athletic Training. An educational goal of the department for its students is to insure that they are meeting the National Athletic Trainers Association Educational Council clinical competencies and proficiencies and to prepare the students for the Board of Certification (BOC) national examination.

The Department of Sports Medicine offers a major in Athletic Training. The Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and requires 130 semester hours of course work.

### Admission into the Athletic Training Education Program

Application for admission into the Athletic Training Education Program begins during the fall semester of the sophomore year. The quota of applicants accepted and enrolled in the program is limited by the faculty/student ratio established by CAATE, the number of clinical sites available, and the highly individualized nature of the program. Admission to the program includes the following criteria:

- Achieving a minimum 2.75 grade point average or higher in the following courses: Sports Medicine 210, 211, 212, 304, and Biology 203, 212;
- A minimum of 130 "directed observation" clinical hours prior to admission;
- Reference evaluations from Marietta College faculty, staff, administrators, coaches, personal acquaintances, etc.;
- Interview with the faculty of the Sports Medicine Department.
- Demonstrating those skills and traits, i.e. dependability, responsibility, initiative, leadership, communication skills, etc., that are critical for the successful, entry-level BOC-certified athletic trainer;
- Letter of application stating why the students wants to enter or should enter the Athletic Training Education Program;
- Evidence of current First Aid and CPR certification;
- Evidence of Physical Examination by a physician;
- Evidence of required vaccinations and immunizations (Hepatitis B, MMR, Tdap) verified by the physician who conducted the physical examination;
- Verification that the student understood and meets the Technical Standards for admission to the Athletic Training Education Program.

Students must apply for acceptance into the Athletic Training Education Program at the conclusion of their Fall semester in their sophomore year. Students failing to gain admission because of a deficient grade

point average, or for other reasons, may reapply for admission after repeating the core grade point average admission courses listed above in point a), but must do so no later than the conclusion of the spring semester of their sophomore year. Once admitted into the Athletic Training Education Program students are required to spend a minimum of four (4) semesters in the program working on clinical experience.

### Transfer Policy

Students transferring to Marietta College who seek admittance to the Athletic Training Education Program must take the following courses at Marietta College: SPTM 210, 211, 212, 304, BIOL 203 and 212. A 2.75 GPA must be earned in these courses to meet minimum ATEP standards. These courses are consistent with the course outline for traditional students. Additionally, the transfer student must acquire 130 hours of clinical observation prior to being admitted. The transfer student must work closely with his or her academic advisor, as well as the Records Office at Marietta College, in regard to general education requirement fulfillment.

**Requirements for a major in Athletic Training:** A 2.75 GPA in Sports Medicine 202, 210, 211, 212, 213, 214, 285, 290, 304, 306, 307, 311, 312, 313, 314, 325, 328, 385, 401, 411, 485, 486; Biology 203, 212, Biology 202 or Physics 211; Chemistry 131 and 133; Psychology 101; Mathematics 123 or Psychology 285. Computer Science 105 is highly recommended. For graduate school, physical therapy, or other allied health professions, Biology 101; Chemistry 132, 134; Health Science 202 are recommended.

<b>Biology/Physics</b>		<b>11 Hours</b>
BIOL 202 OR PHYS 211 <input type="checkbox"/>		
BIOL 203 <input type="checkbox"/>	BIOL 212 <input type="checkbox"/>	
<b>Chemistry</b>		<b>4 Hours</b>
CHEM 131, 133 <input type="checkbox"/>		
<b>Statistics</b>		<b>3-4 Hours</b>
MATH 123 OR 223 OR PSYC 285 <input type="checkbox"/>		
<b>Psychology</b>		<b>3 Hours</b>
PSYC 101 <input type="checkbox"/>		
<b>Sports Medicine</b>		<b>46 Hours</b>
SPTM 202 <input type="checkbox"/>	SPTM 210 <input type="checkbox"/>	SPTM 211 <input type="checkbox"/>
SPTM 212 <input type="checkbox"/>	SPTM 213 <input type="checkbox"/>	SPTM 214 <input type="checkbox"/>
SPTM 285 <input type="checkbox"/>	SPTM 290 <input type="checkbox"/>	SPTM 304 <input type="checkbox"/>
SPTM 306 <input type="checkbox"/>	SPTM 307 <input type="checkbox"/>	SPTM 311 <input type="checkbox"/>
SPTM 312 <input type="checkbox"/>	SPTM 313 <input type="checkbox"/>	SPTM 314 <input type="checkbox"/>
SPTM 325 <input type="checkbox"/>	SPTM 328 <input type="checkbox"/>	SPTM 385 <input type="checkbox"/>
SPTM 401 <input type="checkbox"/>	SPTM 411 <input type="checkbox"/>	
<b>Capstone</b>		<b>3 Hours</b>
SPTM 484 <input type="checkbox"/>	SPTM 485 <input type="checkbox"/>	SPTM 486 <input type="checkbox"/>
<b>Total</b>		<b>70 Hours</b>

### Suggested Program of Study

Candidates are cautioned to work closely with advisors in the Department of Sports Medicine and to become familiar with the requirements as described in the Sports Medicine Department Student Handbook. The department has developed the following suggested program of study.

<b>Freshman Year: Fall</b>	<b>Spring</b>
Sports Medicine 210 3 hrs Sports Medicine 290 3 hrs	Sports Medicine 211 2 hrs Sports Medicine 285 3 hrs Biology 212 4 hrs
<b>Sophomore Year: Fall</b>	<b>Spring</b>
Sports Medicine 202 1 hr Sports Medicine 212 2 hrs Sports Medicine 304 4 hrs Biology 203 3 hrs	Sports Medicine 213 1 hr Sports Medicine 307 2 hrs Sports Medicine 311 2 hrs Sports Medicine 328 3 hrs
<b>Junior Year: Fall</b>	<b>Spring</b>
Sports Medicine 214 1 hr Sports Medicine 306 4 hrs Sports Medicine 312 2 hrs Chemistry 131, 133 4 hrs Psychology 101 3 hrs	Sports Medicine 385 3 hrs Biology 202 4 hrs Mathematics 123 or 223 or Psychology 285 3 or 4 hrs Sports Medicine 314 1 hr Sports Medicine 325 3 hrs Sports Medicine 484 1 hr
<b>Senior Year: Fall</b>	<b>Spring</b>
Sports Medicine 411 2 hrs Sports Medicine 485 1 hr Sports Medicine 313 1 hr Sports Medicine 401 3 hrs Physics 211 4 hrs	Sports Medicine 486 1 hr

### Athletic Training Program Policies

With the exception of SPTM 211, 212, 311, 312 where a minimum B- must be achieved, students must complete each course in the major with a grade of C- or better. A student failing to do so must repeat the course until a C- or better is achieved. Students must obtain a 2.75 overall GPA in the major for graduation.

**Clinical Field Experiences.** Once admitted to the Athletic Training Education Program, students are required to fulfill a minimum of 4 clinical field experiences composed of a lower extremity intensive, upper extremity intensive, equipment intensive, and a general medical rotation. Students will be assigned to an ACI (Approved Clinical Instructor) or a CI (Clinical Instructor) during their four field experiences. These field experiences consist of a lower extremity intensive rotation (soccer, track, basketball), an upper extremity rotation (volleyball, softball, baseball), an equipment intensive rotation (football-college or high school), and a general medical rotation (physicians, physical therapists, emergency room). These rotations will last for a majority (12 weeks minimum) of the semester the student is completing the rotation. Students should expect to work with the assigned ACI or CI for the entire season, which in some cases may exceed 120 hours. Students must give priority to fulfillment of all clinical field experiences. This makes holding down a part time job, or participating in

athletics difficult but not impossible. Students are expected to assume responsibility for their own transportation to the various clinical assignments that are off campus.

**Uniforms.** Students must purchase staff clothing items as designated by the Department of Sports Medicine. These items (i.e., polo shirts, sweatshirts, t-shirts, etc.) must be worn by students while completing clinical experiences. Please see any of the Sports Medicine faculty for specific details. Clothing items may be purchased from the Department Secretary.

## Sports Medicine Courses

### SPTM 101 Medical Terminology

An understanding of medical terminology for use in future courses and careers. To obtain a working knowledge of medical terms as they are used in the every day activity of the allied health professional. This course will be offered on an independent study basis for those students needing the course for graduate school as a prerequisite.

**Credit: 1 Hour**

### SPTM 202 Emergency Response/CPR for the Professional Rescuer

This course will teach students to identify signs and symptoms of possible cardiac arrest, shock, injuries, and sudden illness. The student will learn to administer emergency response level of first aid, CPR for adults, children, and infants, two rescuer CPR, operation of an Automated External Defibrillator (AED), and bag valve mask. Successful completion of this course will lead to American Red Cross certifications in CPR/AED for the professional rescuer and emergency response.

Prerequisite: Athletic Training major

**Credit: 1 hour**

### SPTM 210 Fundamentals of Athletic Training

Injury/illness prevention programs including physical examinations, screening procedures, physical conditioning, fitting and maintenance of protective equipment, control of environmental factors, thirty hours of directed observation required.

**Credit: 3 Hours**

### SPTM 211 Lower Extremity Assessment

Prevention, assessment, and management techniques for the lower extremity: foot, ankle, and knee. To be taken second semester of freshmen year; 50 hours of directed observation required.

Prerequisite: Students must successfully complete all the competencies and proficiencies assigned to Sports Medicine 210.

**Credit: 2 Hours**

### SPTM 212 Upper Extremity Assessment

Prevention, assessment, and management techniques for the upper extremity: shoulder, elbow, hand, and fingers. 50 hours of directed supervision required.

Prerequisite: Students must successfully complete all the competencies and proficiencies assigned to Sports Medicine 211.

**Credit: 2 Hours**

### SPTM 213 Lower Extremity Assessment Lab

The student will be assigned to an Approved Clinical Instructor (ACI) that is responsible for the athletic training coverage of a sport that predominately utilizes the lower extremity. The students will meet once a week with the ACI to review and evaluate clinical competencies and proficiencies pertaining to recognition, assessment, treatment, and rehabilitation injuries to the lower extremity.

Prerequisites: Admission into the Athletic Training Education Program. A grade of B- or better in Sports Medicine 211

**Credit: 1 Hour**

#### SPTM 214 Upper Extremity Assessment Lab

The student will be assigned to an Approved Clinical Instructor (ACI) that is responsible for the athletic training coverage of a sport that predominately utilizes the upper extremity. The students will meet once a week with the ACI to review and evaluate clinical competencies and proficiencies pertaining to recognition, assessment, treatment, and rehabilitation injuries to the upper extremity

Prerequisites: Admission into the Athletic Training Education Program. A grade of B- or better in Sports Medicine 212

**Credit: 1 Hour**

#### SPTM 285 Applied Nutrition

Chemical composition and importance of various foods as digested and absorbed by the human body. Human energetics and nutrient requirements as critical components of balanced diet. Dietary planning for disease/disorder prevention and management, emphasizes athletic nutrition.

**Credit: 3 Hours**

#### SPTM 290 Personal Health

Factors influencing health and body systems; practice and programs that affect development and maintenance of physical well-being and problems associated with this maintenance.

**Credit: 3 Hours**

#### SPTM 304 Medical Aspects of Sports Medicine

Course material is comprised of the medically oriented aspects of athletic training. Covering all components of the human body with emphasis applied to the recognition, assessment, evaluation, and management techniques involved in the caring for or treating various systemic conditions of athletic injuries through the use of therapeutic or pharmacological methods.

Prerequisites Sports Medicine 210 and Biology 212

**Credit: 4 Hours**

#### SPTM 306 Therapeutic Rehabilitation

Didactic and clinical aspects of broad field of therapeutic exercise and rehabilitation techniques. Didactic instruction covers various protocols for therapeutic rehabilitation of major body areas following injury or disease. Designed for Athletic Training students seeking BOC certification.

Prerequisite: Sports Medicine 304.

**Credit: 4 Hours.**

#### SPTM 307 Therapeutic Modalities

Theory, use, and techniques of various physical modalities used in sports medicine program. Designed for Athletic Training students seeking BOC certification.

Prerequisites: Sports Medicine 210 and 304. Students must be accepted into the Athletic Training Education Program, or by permission of the instructor.

**Credit: 2 Hours**

#### SPTM 311 Head and Spine Assessment

Prevention, assessment, and management techniques for head, cervical spine, lumbar spine, and hip.

Prerequisite: Students must successfully complete all the competencies and proficiencies assigned to Sports Medicine 212, plus admission into the Athletic Training Education Program.

**Credit: 2 Hours**

#### SPTM 312 Advanced Assessment

Assessment protocol for eyes, ears, chest, nose, throat, chest, heart and abdomen.

Prerequisite: Students must successfully complete all the competencies and proficiencies assigned to Sports Medicine 311, plus admission into the Athletic Training Education Program.

**Credit: 2 Hours**

#### SPTM 313 Head and Spine Assessment Lab

The student will be assigned an Approved Clinical Instructor (ACI) that is responsible for the athletic coverage of a sport that requires large amounts of protective equipment in order to play the sport (football/ college or high school). The student will meet once a week with the ACI to review and evaluate clinical competencies and proficiencies pertaining to recognition, assessment, treatment, and rehabilitation of injuries, predominately to the head, neck and spine.

Prerequisites: Admission to the Athletic Training Education Program. A grade of B- or better in Sports Medicine 311.

**Credit: 1 Hour**

#### SPTM 314 General Medical Conditions and Disabilities

The student will meet once a week to review general medical conditions and disability competencies and proficiencies. A requirement of the course is for the students to be assigned to observe and work with qualified allied health care professionals (nurses, physician assistants, physical therapists) as well as various physicians (emergency, family practice). In order to fulfill this requirement the student will be assigned to off-campus affiliated sites. Students will be responsible for transportation to these affiliated sites.

Prerequisites: Admission into the Athletic Training Education Program. A grade of B- or better in Sports Medicine 312.

**Credit: 1 hour**

#### SPTM 325 Physiology of Exercise

Fundamental concepts describing reaction of oxygen systems to exercise physiology and nutrition in exercise; exercise effects on human performance; muscular fatigue and effects of environmental stresses. Three lectures and laboratories scheduled as appropriate.

Prerequisites: Biology 203 and 212.

**Credit: 3 Hours**

#### SPTM 328 Practical Biomechanics

**C**

The mechanical analysis of human motion illustrating the relationship between anatomy and function. Principles will be applied to examination of sports skills, clinical skills, and evaluation techniques.

Prerequisite: Biology 212.

**Credit: 3 Hours**

#### SPTM 385 Pathophysiology

Mechanisms by which disease occurs in living organisms, responses of body to disease process, and effects of pathophysiological mechanism in normal function.

Prerequisites: Biology 203 and 212; and Sports Medicine 304.

**Credit: 3 Hours**

**SPTM 397 Internship I**

An internship done in the junior year in an allied health profession or a field of choice. See department chair for details.

**Credit: 1–3 Hours.**

**SPTM 401 Cadaver Anatomy**

Detailed study of musculo-skeletal system, joint structures, and special nerves. Other organ systems may be viewed. Human cadaver utilized for laboratory component. Includes demonstration dissections. (Also listed as Biology 401.)

Prerequisites: C or higher in Biology 212, junior or senior standing, and written permission of instructor.

**Credit: 3 Hours**

**SPTM 411 Health Care Organization and Administration**

Administration of athletic training programs and instructional methods. Review behavioral objectives and competencies and proficiencies pertaining to athletic training health care administration and professional development.

Prerequisite: Students must successfully complete all the competencies and proficiencies assigned to Sports Medicine 312, plus admission into the Athletic Training Education Program.

**Credit: 2 Hours**

**SPTM 484 Introduction to Research and Design** **W**

This course will put forward the research skills necessary for the senior capstone experience in the Sports Medicine Department. Searching for literature, writing literature reviews, research design, and computer skills will be the main focus of this course. Students will do an intense in depth literature review and by the completion of the course the students will present and submit a formal research proposal to be pursued throughout their senior year. Prerequisites This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101 and at least junior standing. Permission of the instructor is required for Health Science majors.

**Credit: 1 hour**

**SPTM 485 Research and Design I** **W**

Use of laboratory, library, and clinical facilities involving areas of kinesiology, physiology of exercise, therapeutic rehabilitation, and sports medicine. Research paper required.

Prerequisite: Mathematics 123 or 223 or Psychology 285. SPTM 285,304,325,328, 484.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 1 Hour**

**SPTM 486 Research and Design II** **W**

Use of laboratory, library, and clinical facilities involving areas of kinesiology, physiology of exercise, therapeutic rehabilitation, and sports medicine. Research paper required.

Prerequisite: Mathematics 123 or 223 or Psychology 285. SPTM 285,304,325,328, 484, 485.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 1 Hour**

# Theatre

Website: <http://www.marietta.edu/~thea/>

Chair: Douglas Anderson ([doug.anderson@marietta.edu](mailto:doug.anderson@marietta.edu))

Assistant professors: Jeffrey Cordell (Director of Theatre), David Makuch, Jane Wilder-O'Connor

Secretaries: Dorothy Leifheit, Pamela Phillips

The Theatre Department provides training both for students who wish to pursue careers in professional theatre and for students who wish to complete a theatre major as part of a liberal arts education. The department offers: BA (42 hours) and BFA (75 hours) majors as well as a minor in theatre (21 hours).

**Requirements for the BA in Theatre (42 hours):**

THEA 103  THEA 107 OR 109  THEA 106   
 THEA 206  THEA 111  THEA 213   
 THEA 217 OR COMM 217   
 THEA 303  THEA 304   
 A DRAMATIC LITERATURE COURSE

**Theatre Electives****9 Hours****Capstone****3 Hours**

THEA 481

**Participation Requirement**

All students enrolled in the BA in Theatre degree program must be actively involved in at least one production each semester they are students at Marietta College. This requirement can be fulfilled by acting in a production; by directing or assistant directing; by designing sets, costumes, or lighting; or by serving in a significant capacity in constructing scenery, mounting lighting instruments, building costumes, gathering and constructing properties, and/or serving on running crews for shows. Enrollment in THEA 103, THEA 107, or THEA 109 does not fulfill this requirement.

The Chair of the Theatre Department and/or the Director of Theatre has the authority to exempt majors from the participation requirement as he/she deems appropriate. Typical examples of exemptions include but are not limited to the following: the participation requirement does not take effect until the student declares a major; semester abroad; scheduling conflicts or illness the Chair/Director deems significant enough to merit exemption.

**Requirements for the BFA in Theatre (75 hours):****Courses in Acting and Voice** **17 Hours**

THEA 106  THEA 206   
 THEA 217 OR COMM 217   
 THEA 266  THEA 314  THEA 354

**Technical Theatre Courses****16 Hours**

THEA 103  THEA 107  THEA 109   
 THEA 111  THEA 213

**Directing Courses****6 Hours**

THEA 303  THEA 304

**Dramatic Literature Courses****15 Hours**

Any literature courses focused entirely or primarily on dramatic literature may be used to satisfy this requirement if they are approved in advance by the Theatre Department Chair. Obviously, all dramatic literature courses in the Theatre Department will satisfy the requirement, but other course offerings on campus, particularly English 350:

Shakespeare may also be appropriate.

**Theatre Internship** **3 Hours**  
THEA 397 □

**Electives** **15 Hours**

Electives should be carefully chosen to satisfy identified needs or theatre-related interests of individual students. Examples of courses that may be appropriate to specific students: a student with an interest in design might find art courses in drawing, sculpture, or watercolor to be valuable; because of the importance of music and dance as ancillary skills for actors, a student with an interest in musical theatre might appropriately choose to take a variety of courses in dance and/or music. Courses outside the Theatre Department must be approved in advance by the Theatre Department Chair.

**Capstone** **3 Hours**  
THEA 481 □

### Participation Requirement

All students enrolled in the BFA in Theatre degree program must be actively involved in at least two productions each semester they are students at Marietta College. This requirement can be fulfilled by acting in a production; by directing or assistant directing; by designing sets, costumes, or lighting; or by serving in a significant capacity in constructing scenery, mounting lighting instruments, building costumes, gathering and constructing properties, and/or serving on running crews for shows. Enrollment in THEA 103, THEA 107, or THEA 109 does not fulfill this requirement.

### Requirement for a minor in Theatre (21 hours):

Courses should include work at the 100, 200, and 300 levels

## Theatre Courses

**THEA 101 Theatre Appreciation** **R**

Theatre appreciation is a study of live theatre and how it is produced, how it has developed historically and culturally, and how it is evaluated and analyzed. This course examines theatre as a collaborative art form by focusing on the viewpoints of its image-makers (playwright, actor, director, producer, and designers). Participation in the creation of art helps enable an appreciation of that art form. Hence, students in this course will have hands-on experience in the production of live theatre. In addition, students will learn to critically evaluate dramatic texts and performance.

*Credit: 3 Hours*

**THEA 103 Play Production: Stagecraft** **R**

Theory and practice of scenery construction, lighting, and properties. Laboratory work on College productions.

*Credit: 4 Hours.*

**THEA 106 Acting I** **R**

Course provides students with an introduction to acting. Emphasizes the use of body, voice, and intellect to communicate realistic characters. Mechanics of acting and character development are explored through improvisation and scene work.

*Credit: 3 Hours*

**THEA 107 Play Production: Lighting** **R**

Theory and practice in theatrical lighting; stagecraft, properties. Laboratory work on College productions.

*Credit: 4 Hours.*

**THEA 109 Play Production: Costuming** **R**

Theory and practice in designing and executing stage costumes and properties. Laboratory work on College productions.

*Credit: 4 Hours.*

**THEA 111 Theatrical Makeup**

Theory and practice in art of makeup for stage and television; laboratory work on college productions.

*Credit: 1 Hour*

**THEA 201 Introduction to Dramatic Literature** **L,R**

Reading of plays representing the development of dramatic literature from ancient Greece to present. The course provides a framework for analyzing and evaluating dramatic literature in both print and performance.

*Credit: 3 Hours*

**THEA 206 Acting II** **R**

Focuses on technique for developing and communicating character. Analysis of text and the use of subtext and inner monologue are stressed.

Prerequisite: Theatre 106.

*Credit: 3 Hours*

**THEA 213 Stage Design** **R**

Designing for stage presentation (theater or television) employing line, color, and mass to interpret the author's concept to audience. Offered alternate years.

Prerequisite: Theatre 103 or permission of instructor, Theatre 190 or equivalent.

*Credit: 3 Hours*

**THEA 217: Voice and Articulation**

Improvement of vocal quality and diction. Basic physiology of the speaking mechanism and phonetic principles. International Phonetic Alphabet used. (Also listed as COMM 217.)

*Credit: 3 Hours*

**THEA 220 London Spring Break**

Students will spend ten intensive days in London during the Marietta College spring break. They will visit a wide range of museums and historical and/or cultural sites and view at least eleven productions.

*Credit: 1 Hour*

**THEA 225 Acting Practicum**

Credit for effective acting in public performances, determined by committee of Marietta College Theatre faculty. Acting experience may be accumulated for credit over several semesters; registration is after the credit has been earned.

*Credit: 1 Hour; may be repeated but no more than 4 hours can be counted toward graduation.*

**THEA 266 Auditioning**

Auditioning introduces students to the audition as a form and provides intensive practice in preparation and presentation of auditions in a variety of formats. The course also requires students to prepare resumes for specific employment purposes, to choose appropriate

head shots for auditioning, to practice a variety of callback formats, and to audition for professional employment. (Also listed as Music 266.)

Prerequisite: Theatre 206 or concurrent enrollment in 206.

**Credit: 2 Hours**

### THEA 267 Auditioning II

Intensive preparation of audition materials and further development of auditioning skills introduced in Theatre 266

**Credit: 1 Hour. May be repeated once.**

### THEA 303 Directing I

R,W

Theory and analysis of structure, elements, principles, types, and styles of drama from script to its realization on stage.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisite: Theatre 106

**Credit: 3 Hours**

### THEA 304 Directing II

K,R,W

(Continuation of Theatre 303.) Laboratory work in selecting, casting, blocking, and directing plays.

Prerequisite: Theatre 303.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### THEA 307 World Dramatic Literature

L,R

Reading course in great world drama from Aeschylus to Ibsen.

**Credit: 3 Hours**

### THEA 308 Modern European Drama

L,R,M

Reading course in European drama from Ibsen to Ionesco.

**Credit: 3 Hours**

### THEA 310 American Drama

L,R

Reading course in America drama from beginnings to present.

**Credit: 3 Hours**

### THEA 311 Contemporary Drama

L,R

Reading course in contemporary drama. Includes prepared oral reading in class.

**Credit: 3 Hours**

### THEA 313 Asian Drama

L,R

Reading course in classic drama and traditional theatre forms of India, China, Southeast Asia, and Japan.

**Credit: 3 Hours**

### THEA 314 Advanced Acting

Acting theory with laboratory work and practical experience.

Prerequisite: Theatre 206.

**Credit: 3 Hours**

### THEA 348 Scriptwriting I

R,W

This course in writing for stage, film, and television provides students with experience designed to facilitate their writing for performance. Students will write scenarios, character studies, conversations, scenes and fully developed scripts.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

**Credit: 3 Hours**

### THEA 349 Scriptwriting II

R,W

A continuation of Scriptwriting 1. Students focus their writing in a specific medium and write works of greater length and complexity.

This course has been identified as a Writing Proficiency course and so requires satisfactory completion (C- or better) of Writing 101.

Prerequisite: Theatre 348.

**Credit: 3 Hours**

### THEA 350 Topics in Dramatic Literature

L,R

An in-depth examination of a special topic in dramatic literature. Topics may include, but are not limited to, Irish drama, Gay drama, and Renaissance drama.

Prerequisite: Upper class standing

**Credit: 3 Hours**

### THEA 354 Comedy Workshop

This course provides students with a broad range of experiences to develop their improvisational skills. Exercises focus on physical comedy and on the writing, performance, and evaluation of comic scenarios. Scene work during the semester provides students with the specific skills associated with period comedy, particularly comedy of manners, farce, and bedroom farce.

Prerequisite: Theatre 206 or permission of the instructor.

**Credit: 3 Hours**

### THEA 371 Project in Directing

Directing a play for performance in the Theatre Department's Studio Series.

Prerequisite: Theatre 304 and permission of the department chair.

**Credit: 1–3 Hours; may be repeated for credit.**

### THEA 397 Theatre Internship

It is expected that this internship will be a summer or other off-campus theatre experience approved in advance by the Theatre Department Chair. Credit can be taken either during the summer or during the following academic year upon completion of appropriate documentation.

**Credit: 3 Hours**

### THEA 481 Research Methods

Students will be expected to undertake and successfully complete a project intended to demonstrate their mastery of skills in one or more areas of theatre. Appropriate projects may include—but need not be limited to—directing a production; designing sets, lights, or costumes for a mainstage production; presenting a one-person performance; researching, preparing, and presenting a lecture-demonstration on some aspect of theatre; or completing a traditional large-scale research project on some aspect of theatre.

Prerequisite: Permission of instructor.

**Credit: 3 Hours**

## Dance Courses

### DANC 103 Tap I

R

This course is an introduction to tap dance technique. Basic steps will be covered including brushes, toe and heel work, shuffles, flaps, ball changes, hops. Basic show dance routines will be introduced. Proper shoes and dance attire required.

**Credit: 1.5 Hours.**



**DANC 104 Tap II**

R

This is a continuation of Tap I with an emphasis on perfecting techniques of tap dance. Advanced steps will be covered and longer show routines will be introduced. Proper shoes and dance attire required.

Prerequisite: Dance 103 or permission of the instructor.

*Credit: 1.5 hrs.*

**DANC 105 Jazz/Modern I**

This course is an introduction to the basic technical skills of jazz and modern dance including alignment, strength, flexibility, rhythmic accuracy and movement. Emphasis will be place on vocabulary, concepts, skills and artistry. Proper dance attire and shoes required.

*Credit: 1.5 hrs.*

**DANC 106 Jazz/Modern II**

R

This is a continuation of Jazz/Modern I with an emphasis on perfecting techniques and movement vocabulary. New focus will be placed on theatre dance styles and more complex rhythms. Proper shoes and dance attire required.

Prerequisite: Dance 105 or written permission of the instructor.

*Credit: 1.5 hrs.*

**DANC 107 Dance in Musical Theatre I**

R

An introduction to musical theatre choreography emphasizing diversity of styles and the skills required for auditioning and performance. The course studies the work of major choreographers and helps students develop the skills necessary to execute choreography styles.

*Credit: 1.5 hrs.*

**DANC 108 Dance in Musical Theatre II**

R

A continuation of Dance 07 Choreography I, further developing skills introduced in 107.

Prerequisite: Dance 107 or permission of the instructor.

*Credit: 1.5 hrs.*

Undergraduate Programs  
Theatre



# Curricular Options and Enhancements

Records Office, Registrar: Dr. John C. Tynan (records@marietta.edu)

Marietta College offers students many opportunities to enhance their education program beyond the general education program and the completion of a major. This section describes the ways in which value can be added to a student's educational experience at the College. Students choosing to select one or more of these options need to ensure that they understand how these options may affect their graduation requirements. So, this section should be read in conjunction with the sections describing Undergraduate Degrees-Graduation Requirements and Academic Policies and Practices.

## Double Major

A student may graduate with two majors subject to the approval of his or her advisor and the departments involved. For a student to be granted two majors, the second major must have a minimum of 18 hours of 300- and 400-level courses that are not included in the first major.

A student who graduates with two majors, one of which qualifies for one Bachelor degree, e.g. B.A., and the other for a different Bachelor degree, e.g. B.S., will be awarded both degrees and will receive a diploma for each degree awarded.

## Student-Designed Major

The academic interest of some students is served through creation of a student-designed major drawn from curricula of two or more departmental programs. A student-designed major must be substantially different from existing majors, be focused on a particular subject area, and be comparable in rigor to that of a conventional major. All other requirements of the general education curriculum must be fulfilled.

A student planning to undertake such a major should do so by the fall of the junior year. At that time s/he should select a faculty supervisor to help plan the program. S/he should also consult with chairs of departments whose courses are included in the program. After the planning is completed, the student should write a rationale for the program of study, edit it carefully, and present it to the Curriculum Committee for approval.

The proposed major should meet these criteria:

- include 35 to 60 credit hours
- have no more than 2/3 of the credits from an existing major
- include no more than 2/3 of the credits from courses already completed
- have one course designated as the major's capstone

The rationale should include:

- a title for the major
- an explanation of the purpose of each course included in the program of study
- course descriptions of independent studies (if any)
- signatures of the faculty supervisor and interested department chairs
- a copy of the student's transcript

If the proposal is approved, the chair of the Curriculum Committee will submit a copy of the student-designed major to the Records Office and the Provost.

## Minor(s)

Students may elect to complete the requirements for one or more minors. A minor consists of 18 to 24 credit hours, and includes a reasonable distribution of lower and upper division courses. Except where a course is offered only on a Satisfactory/Unsatisfactory (S/U) grade basis, all courses used in satisfaction of a minor must be taken for a letter grade. A minimum grade point average of 2.00 is required for all courses offered in satisfaction of the minor. If a student takes a major and one or more minors, each minor must include at least 12 hours that do not overlap the chosen major or another minor.

A minimum of six of the credit hours presented for graduation with a minor area must have been earned at Marietta College.

A graduate of Marietta College who desires to complete a second major or minor must notify the registrar of this intention and abide by the requirements of the major/minor and the policies governing majors/minors set forth in the catalog in force at the time of such notification. Such a student, however, need not meet the general education requirements of the catalog in force.

## Individualized Courses

These courses include directed research, independent study, internship, and tutorships. A student may take a total of nine hours toward graduation in any combination of the above hours with the restriction that there be no more than two hours of tutorship.

Students may register for individualized courses by submitting a completed *Learning Contract* to the Records Office. *The Learning Contract*, available from the Records Office, must be completed by the student and the supervising faculty member. If necessary, the Curriculum Committee will answer questions concerning the appropriate level of suitability of material. Several departments have additional restrictions on directed research, independent studies, internships, and tutorship courses. Students should consult with the appropriate department chair for more information.

## Directed Research

The student conducts a research project under the supervision of the instructor. The courses will be listed as 195, 295, 395, or 495 and may provide from 1 to 3 credit hours.

## Independent Study

These courses allow the student the opportunity to complete course work that is not otherwise offered. The Independent Study is a course whose content is not currently listed in the course catalog. The inde-

pendent study cannot be used to review course content presented in existing courses described in the catalog. The courses will be listed as 196, 296, 396, or 496 and may provide from 1 to 6 credit hours.

### Internships

These courses allow students to receive academic credit for supervised work experience. The courses will be listed as 197, 297, 397, or 497 and may provide from 1 to 3 (or in exceptional cases more) credit hours.

### Tutorships

These courses allow students to receive credit by helping other college students learn. The courses will be listed as 198, 298, 398, or 498 and may provide from 1 to 2 credit hours. Note that a student may apply no more than two credit hours of tutorship toward the graduation requirements.

## Special Programs

### McDonough Center for Leadership and Business: The Leadership Program

The McDonough Center for Leadership and Business, endowed by a gift in memory of Bernard P. McDonough, a local industrialist, has been designed to allow students to study leadership through a multidisciplinary liberal arts perspective. The chief mechanism for this study is the McDonough Leadership Program, which involves students in varied activities.

A student's participation in the Leadership Program can take several forms:

- Major in International Leadership Studies
- Minor in Leadership Studies
- McDonough Leadership Certificate
- Leaders in Action Certificate
- Enrolling in a LEAD course or "D"-designated courses.

The specific requirements of each of these programs are listed under Leadership in the Undergraduate Programs of Instruction section of the Catalog. Course work includes both academic courses examining leadership analytically and courses that introduce students to leaders of local, national, and international repute. Some courses, like the Foundations of Leadership, will be offered with the Leadership title (e.g. Leadership 101 or LEAD 101, Foundations of Leadership). Other courses having a significant leadership focus will be offered by departments across the entire campus (e.g. Political Science 210, The Presidency and Executive Leadership). The latter courses carry a "D" designation in the course listings distributed by the Records Office for the purpose of preregistering for the following semester.

Admission to the McDonough Leadership Program for the major, the minor or Leadership Certificate is competitive and requires a separate application. Contact the Office of Admission, (800) 331-7896, (740) 376-4600 for application material and information.

### The Honors Programs

The Marietta College Honors Programs offer students with high scholastic ability and keen intellectual curiosity a stimulating and challenging academic environment in which to pursue their education. The

Program consists of two components:

1. the Curriculum Honors Program for incoming freshmen and beginning second-year students, and
2. the Research Honors Program by which students earn Honors in a Discipline.

Students earn official recognition by completing either (1) or (2). Students that complete both (1) and (2) will graduate with College Honors.

In addition to specialized coursework, students in the Honors Program have the opportunity to participate in cultural events through organized trips to theatrical, musical and artistic events in nearby cities, such as Cleveland, Columbus, and Pittsburgh, as well as more distant locales, such as the Stratford Shakespeare Festival in Ontario, Canada.

### I. The Curriculum Honors Program

#### A. Eligibility and Application:

1. Incoming freshmen, by application: Incoming freshmen with at least a 3.500 high school GPA and 1200 SAT or 27 ACT are invited to apply on a competitive basis for admission to the Curriculum Honors Program
2. Current Marietta College freshmen, by application: Marietta College freshmen who will enter the sophomore year with fewer than 37 credit hours and a 3.500 or better overall GPA are eligible to apply in the spring semester prior to their sophomore year. Application is made to the Honors Program Director.
3. Incoming transfer students, by invitation or application: Transfer students entering Marietta College with fewer than 37 credit hours may be eligible under (1) or (2) above. Inquire to the Admissions Office or the Honors Program Director.

#### B. Program Requirements:

1. The course work of the Curriculum Honors Program consists of the following 15 hours taken over a two-year period, all counting toward completion of the college's general education requirements:
  - (a) First semester: Honors College Experience Seminar (HONR 101) and either Honors Literature (HONR 201) or Honors Communication (HONR 202). (6 credits)
  - (b) Second semester: HONR 201 or HONR 202. (3 credits)
  - (c) Third and fourth semesters: In each semester a course built around such themes as "Tolerance" or "Great Books" (HONR 301 and 302) (6 credits)
2. To complete the Curriculum Honors Program, students must maintain an overall GPA of 3.30 (3.00 for second semester freshmen only).

### II. The Research Honors Program

The Research Honors Program allows any seniors with GPAs of 3.300 in the discipline and 3.300 overall to do advanced work under the close guidance of a member of the faculty, typically in the student's major or minor. Such students present a senior thesis to a thesis committee which includes the thesis director, a member of the Honors and Investigative Studies Committee, and a third (optional) faculty mem-

ber of the student's choosing. With this committee's final approval of the thesis, the student is awarded Honors in a Discipline.

#### A. Eligibility:

1. An overall cumulative GPA of 3.00 and a cumulative GPA in the discipline of 3.30 is required at the time of the proposal to the thesis committee.
2. The student must have a thesis director in the field of study in which the thesis work is to be done. The thesis director must, of course, be willing to support the student's proposal.

#### B. Program Requirements:

1. The senior thesis proposal is typically submitted by the student 1-2 semesters prior to the semester in which they will graduate. The proposal must be approved by the student's thesis committee (see above).
2. During their final semester, students must register for 1 to 3 credit hours of honors coursework in the department in which they are pursuing their thesis work ("DEPT" 493). Upon completion of the senior thesis, it must be approved by the student's thesis committee.
3. Approved theses are bound and preserved in the College's Library and made available on-line through OhioLink..

### III. Graduation with College Honors

Students who complete the Curriculum Honors and Research Honors Programs with a final overall GPA of 3.30 or greater will graduate with College Honors.

For more information, contact:

Dr. David J. Brown, Dr. Joseph Sullivan  
Co-Directors, The Honors Program  
Marietta College  
215 Fifth Street  
Marietta, OH 45750

### The Investigative Studies Program

The Investigative Studies Program embraces three goals:

1. To provide students with an opportunity to pursue their research and creative interests in a manner not found in a typical class setting
2. To promote intellectual curiosity and stimulate creativity in students in an academic discipline or between disciplines.
3. To foster a sense of learning, sharing, and commitment with a community of scholars.

Designed for Marietta's most academically-gifted and highly-motivated students, I.S. at Marietta provides summer grants for undergraduates interested in pursuing special research and creative projects, as well as travel grant funding for presentation of findings at regional and national conferences. The program funds projects across the disciplines.

#### Investigative Studies Summer Fellowships

The I.S. Summer Fellowship program currently offers qualifying students a \$2,250 fellowship plus free on-campus housing for six weeks in May and June; students pursuing off-campus research projects receive a \$500 housing allowance. These students pursue their research and creative projects under the close mentoring of Marietta College faculty

sponsors. Students must have a grade point average of 3.000 or better to apply.

#### Investigative Studies Travel Fellowships

The I.S. Travel Fellowship program provides financial assistance for any undergraduate in any discipline with a grade point average of 3.000 or better to travel to present research at a national or regional conference. The awards are competitive and require sponsorship by a faculty mentor.

#### Investigative Studies Supplies Grants

The Supplies Grant program provides student researchers with a small fund (\$250 maximum) from which they can purchase consumable materials or supplies for a current research or creative project. The program is open to all full-time undergraduate students.

For more information, contact:

Prof. Grace F. Johnson  
Director, Investigative Studies Program  
Thomas Hall - Room 119  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4631  
e-mail: johnsong@marietta.edu  
website: <http://www.marietta.edu/academics/resources/invstudies/>

### Off-Campus Study

#### Study Abroad

Marietta College recognizes the unique value of study abroad and, therefore, encourages its students to participate in a number of opportunities for educational study abroad which do not interrupt their affiliation with the College. The College has established formal relationships with several consortia and foreign institutions. Programs are open to qualified students in all disciplines. The junior year is the logical and preferred time for such study, but the student may apply for international study during other years, pending confirmation of the eligibility requirements listed below.

Programs are available for a full academic year, one semester, or summer study. Credit toward a degree at Marietta College is normally earned at 32 hours for a full year, 16 hours for a semester, and usually a maximum of 12 hours for summer study.

Marietta College considers approved study abroad programs (see Application Process below) as an extension of its campus and transfers grades earned without question, including quality points.

To be eligible to participate, a student must:

1. have completed 24 semester hours of academic work (including all first-year requirements);
2. be in good academic standing; and
3. arrange with an advisor a program of study compatible with the declared major and degree requirements.

#### Application Process

Before seeking to participate in the Off-Campus Study program, the

student should consult with both the academic advisor for Study Abroad and the faculty advisor. This consultation is designed to help the student select a program that fits his or her academic needs.

Once this consultation has been completed, the student may proceed by completing an Off-Campus Study Application/Approval Form. The form must be approved by the department chair for each course being transferred, the Registrar, the Director of Financial Aid (for all students receiving financial aid), the academic advisor, and the Study Abroad advisor. Approved applications are placed on file in the Records Office.

The deadline for the Off-Campus Study Application/Approval Form is November 1 for the following spring and April 1 for the following summer or fall. There is a \$165 administrative fee for each term spent off-campus.

### Affiliates

Marietta College is affiliated with the East Central Consortium (ECC), the Institute for the International Education of Students (IES), and Central College study abroad programs. Internships are offered by some of the programs. Specific information for each follows.

East Central Consortium Exchange programs present study abroad opportunities for students at The Inter-American University of Puerto Rico at San German; The University of Saskatchewan in Saskatoon, Canada; The University of Quebec at one of its six campuses (Canada); The University of Prince Edward Island in Charlottetown, PEI, Canada; University of Passau in Passau, Germany; Kansai Gaidai University in Hirakata City, Japan; The Universidad Blas Pascal in Cordoba, Argentina; The University of Karlstad, in Karlstad, Sweden, and the American College of Thessaloniki, in Thessaloniki, Greece

Central College in Pella, Iowa, operates centers in Paris, France; Vienna, Austria; Granada, Spain; London and Colchester, England; Merida, Mexico; Leiden, the Netherlands; Camarthan, Wales, and Hangzhou, China. No knowledge of the languages of the host country is required, but students with little or no prior study of the language will be required to take a language course.

Marietta is also affiliated with the nonprofit IES/IAS organization, which provides United States colleges and universities with the means of offering study abroad. Approved programs are located in London, England; Dublin, Ireland; Berlin and Freiburg, Germany; Vienna, Austria; Madrid and Salamanca, Spain; Dijon, Nantes, and Paris, France; Milan and Rome, Italy; Nagoya and Tokyo, Japan; Singapore, Bangkok, and Yogyakarta in southeast Asia; Beijing, China; Adelaide, Australia; Buenos Aires, Argentina; and Santiago, Chile. Courses offered satisfy the standards of comparable United States courses, and the institute supervises the student's program, attendance, and examinations.

The affiliation of Marietta College with ECC, Central College, and IES does not prevent a student from exploring other accredited foreign programs. In the recent past, students have gone to several different countries through programs sponsored by Butler University, Arcadia University, Australearn and others.

For more information, contact :

Dr. Richard Danford  
Study Abroad Advisor

Thomas Hall - Room 214  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4899  
e-mail: danfordr@marietta.edu

Ms. Christy Burke  
Director of International Programs  
Thomas Hall - Room 214  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4708  
e-mail: christy.burke@marietta.edu

### Leadership Studies Abroad

The Leadership Study Abroad course, LEAD 350, is offered through the McDonough Center for Leadership and Business. This course provides an opportunity for supervised travel to study leadership in countries experiencing significant change. With the approval of the appropriate department, students majoring in History, International Business Management, Modern Languages, or Political Science may elect to take the course for 3 credit hours in their major department. The work of the course may then be modified to include discipline-specific work.

Eligibility for participation is the same as given above under "Study Abroad."

For more information, contact:

Dr. Gama Perruci  
McDonough Center  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4562  
e-mail: perrucig@marietta.edu

### China Program

Marietta College has exchange agreements with both universities and high schools in China. Marietta students may go to China as teachers of English. At the same time, Marietta welcomes visiting scholars from China to the campus. Such agreements afford unique learning opportunities and enrich the campus environment for all students.

The College supports these programs by arranging lectures by visiting Chinese scholars as well as courses in Chinese language, culture, and history. In addition, the Certificate in Teaching English as a Foreign Language (TEFL), offered by the Department of Modern Languages, will prepare students to teach English in China.

An exchange agreement with The University of International Relations, located in Beijing, provides opportunities for students to spend a semester or year studying at this institution. Intensive language courses are provided which will complement any Chinese language courses taken at Marietta.

For more information, contact:

Dr. Xiaoxiong Yi  
Thomas Hall 105

Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4921  
e-mail: [yix@marietta.edu](mailto:yix@marietta.edu)  
or Dr. Janie Rees-Miller (see below)

### Brazil Program

The opportunity exists for students to assist in the teaching of conversational English in the private Piracicaba School (Colégio Piracicabano), Piracicaba, São Paulo State, Brazil. The school is affiliated with the Methodist University of Piracicaba. Language instruction is provided and will complement any Brazilian Portuguese language courses taken at Marietta. Students can go to Brazil for four to five weeks in early summer, or for a semester.

For more information, contact:

Dr. Janie Rees-Miller  
Director of the TEFL Program  
Thomas Hall - Room 214  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4486  
e-mail: [reesmilj@marietta.edu](mailto:reesmilj@marietta.edu)  
or Dr. Richard Danford (see above)

### Studies in Washington

Marietta College is affiliated with two programs that offer academic study and internships in the nation's capital. Marietta is one of approximately 200 colleges and universities participating in the Washington Semester Program of American University. This program enables sophomores (second semester), juniors, and seniors to spend a semester in Washington pursuing one of six courses of study:

1. The Washington Semester, which focuses on the American governmental and political system as a whole;
2. The Foreign Policy Semester, which deals with the political forces and processes that affect American diplomacy and the United States' posture in world affairs;
3. The Washington/Peace and Conflict Resolution Semester, which focuses on the forces making for violence or for cooperation and aims to develop conflict resolution skills;
4. The Washington Justice Semester, which provides a realistic picture of the processes of the criminal justice system;
5. The Washington Economic Policy Semester, which examines the practical application of economic theory in the economic policy making process; or
6. The Washington Journalism Semester, which offers the opportunity to study and be involved in journalism in one of the great news centers of the world.
7. *Contemporary Islam*, focusing on the religion and its connections to world events, and including a visit abroad.
8. Israel Studies, focusing on the contemporary situation in Israel and connections to world events.
9. The Washington International Business and Trade semester, which exams international business issues and includes a visit abroad.

10. The Washington International Law & Organizations semester, including a visit to the U.N. and international organizations abroad.
11. *The Transforming Communities* Semester, focused on issues of economical development in U.S. communities.

The core of the semester's work is a series of seminar meetings with individuals in the public sector, the private sector, special interest groups, and other persons concerned with and knowledgeable in the area under study. In addition, students may undertake individual research projects, internships with governmental, political, or private organizations, and elective courses offered by American University. Successful completion of the program earns a student 16 hours of credit.

Marietta College considers the Washington Semester Program at American University an extension of its campus and transfers grades earned including quality points.

Marietta College is also affiliated with the Washington Center, which arranges internships with governmental agencies and private organizations, conducts a complementary academic program, and supplies moderately priced housing in central Washington. Internships relevant to virtually every field of academic study are available.

There is a \$165 administrative fee for each semester spent off campus.

Costs of a semester at American University or in a Washington Center program are not necessarily the same as a semester at Marietta College.

For more information, contact :

Dr. Mike Tager  
Professor of Political Science  
Thomas Hall - Room 106  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
(740) 376-4898  
e-mail: [tagerm@marietta.edu](mailto:tagerm@marietta.edu)

## Pre-professional Programs

### Binary Curriculum in Engineering

Marietta College has entered into cooperative agreements with Ohio University, Case Western Reserve University and Columbia University to offer binary degrees in engineering. A student usually spends the first three years at Marietta and two years at Ohio University, Case Western Reserve, or Columbia. When completed, the student earns a Bachelor of Arts or Science degree from Marietta College and a Bachelor of Science in Engineering degree from the second institution. In addition, programs are available with Columbia University wherein a qualified student earns a B.A. or B.S. degree at Marietta and then completes requirements for a Master of Science degree in some branch of engineering during the subsequent two years or less at the engineering school.

These programs permit the student to discover and develop aptitudes under a liberal arts program before making a commitment to a technical field of study. In an age of technology, these educational experiences should prepare the graduate for a fuller life and more effective profes-

sional career through a wider acquaintance with the humanities, social sciences and fine arts.

Course requirements for the Marietta phase of the program vary somewhat depending on the field of engineering and the Marietta major the student wishes to pursue. The engineering schools recommend, however, that engineering binary students take at least the following courses while at Marietta:

- two semesters of basic physics;
- two semesters of general chemistry;
- three semesters of calculus;
- one course in differential equations;
- one course in computer science;
- courses in the social sciences, arts, and humanities.
- most of the requirements for the Marietta major.

Because of time constraints, students interested in this program should contact the Engineering Binary Advisor before freshman registration in the fall. Students interested in this program should contact:

Dr. Robert Lipset  
Engineering Binary advisor  
Brown Hall - Room 207  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
e-mail: Bob.Lipset@marietta.edu

### Provisional Teaching License

Marietta College is accredited by NCATE and approved by the State of Ohio Department of Education. Students satisfactorily completing the required courses and required Praxis II exams will be eligible for early childhood, middle childhood, intervention specialist, multi-age music, or adolescent/young adult Ohio provisional licenses. Reading and early childhood generalist endorsement programs are also available.

If possible, all students planning to seek teaching licenses should indicate an intent to pursue licensure in the freshman year.

When a student enrolls in the first education course (usually Education 110) the student will be classified as pursuing a licensure program. Upon completion of the requirements and at least 45 hours of College credit, the student may apply for admission into the Professional Education Licensure Program.

For more information, contact:

Dr. Dorothy Erb  
Chair, Department of Education  
Erwin Hall - Room 101  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
e-mail: erbd@marietta.edu

### Pre-law Program

Education for the practice of law consists of an undergraduate education followed by a three-year course of study in law school. Students should develop certain basic skills and insights including: comprehension and expression in words; critical understanding of the human institutions and values with which the law deals; and analytical think-

ing. Marietta College provides an education that helps its students gain competence in writing and speaking; study the humanities, the sciences, and the social sciences; and, enter deeply into a field of study. These are the types of skills sought by schools of law. There is no single major that best prepares a student to study law.

For more information on the Pre-Law program, contact:

Dr. Mark Schaefer  
Assistant Professor of Political Science  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
e-mail: mark.schaefer@marietta.edu

### Pre-medical, Pre-dental and Pre-veterinary Programs

The liberal arts curriculum at Marietta College provides an ideal framework for the pre-professional preparation needed for entry into a variety of health fields. Medical, dental, and veterinary schools seek students who not only have a sound education in the basic sciences, but who also have developed communication skills and have foundations in the humanities and social sciences.

Although most pre-medical, pre-dental and pre-veterinary students at Marietta major in biology, chemistry, biochemistry, or athletic training, other majors may be more suitable for some students. Because some students later decide not to pursue a career in the health professions, a major should be chosen on the basis of genuine interest. Although most medical profession schools do not specify a preference for a particular major, they do require that the student complete a certain core group of courses. For example, many medical schools require the following:

- one year (8 credit hours) of biology;
- two years (16 credit hours) of chemistry including a year of organic chemistry;
- one year (8 credit hours) of physics;
- one year (7-8 credit hours) of mathematics including calculus;
- one semester of literature.

Courses such as these should be completed by the spring of the junior year in order to be prepared adequately for the national admission examinations (MCAT, DAT, VAT or GRE). Some schools also specify other courses in the humanities and social sciences. Because these requirements vary among schools and according to the type of health profession, the pre-professional student should seek advice about course selection from an advisor as well as the Marietta College Pre-Medical Committee.

The Pre-Medical Committee consists of representatives from the Departments of Biology and Chemistry. In addition to advising students in the selection of courses, the Committee collects and disseminates information regarding professional school admission requirements, national admission examinations, and application procedures. The Committee is also responsible for organizing faculty recommendations regarding students seeking admission to schools of the health professions.

Available to pre-medical students at Marietta College is the "Rounds Program." Several physicians at Marietta Memorial Hospital have agreed to allow qualified pre-medical students from Marietta College to

make “rounds” with them. This might entail such things as visiting hospitalized patients with their physicians, observing surgery, or spending some time in the physician’s office as he or she examines patients. Participating physicians may include emergency room physicians, internists, surgeons, obstetricians, gynecologists, pathologists, radiologists, and practitioners in other specialties in medicine. This program is available to qualified pre-medical students who have reached their junior year. A similar, but less formal program exists for pre-dental and pre-veterinary students.

For more information, contact:

Jennifer Hancock,  
Instructor of Biology  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
e-mail: jah006@marietta.edu

Dr. Kevin Pate,  
Associate Professor of Chemistry  
Marietta College  
215 Fifth Street  
Marietta, OH 45750  
e-mail: patek@marietta.edu

## Certificate Programs

Marietta College offers certificates in several areas of instruction. Certificates recognize completion of a specified body of courses united by an academic theme. Certificates differ from majors and minors in that they may be awarded independent of any degree or major (with the exception of the certification in vocal pedagogy). They are particularly attractive to students who may already have a degree and simply need to document additional academic training. Although the requirements for a certificate vary, all certificates require the student to:

1. complete a minimum of 12 hours;
2. take at least half of the required hours and no fewer than 12 hours at Marietta College; and
3. earn a minimum grade point average of 2.00 for courses completed as part of the Certificate.

Some certificates may require standards above the minimum.

### Certificate in Leadership Studies (CLS)

Requirements for the CLS are successful participation in EXCEL Workshop; Leadership 101, 103, 140, 201, 203, 240; one three-hour leadership-designated course; plus 50 hours of approved community service.

### Teacher Leadership Certificate (TLC)

Requirements for the TLC are successful participation in EXCEL Workshop; Leadership 101, 103, 140, 210; Education 110, 253; plus 25 hours of approved community service to be completed through Leadership 101 and 103.

### Leaders-in-Action (LIA) Certificate

All Marietta College students, with a cumulative grade point average of 2.00 or greater and demonstrated ability to succeed in the McDonough Leadership Program, are eligible to participate. LIA participants develop leadership skills through the following academic and extracurricular activities:

1. Leadership 221, which offers participants an opportunity to sharpen their planning and decision-making skills in preparation for the development of their community service project.
2. A leadership elective course of the student’s choice.
3. Skill practice through the implementation and evaluation of a community service project either on or off campus.
4. Creation of a manual/guide with support materials that will allow anyone to continue the project. The guide is kept on file and available to future interested students.

### Certificate in Teaching English as a Foreign Language (TEFL)

Requirements for the certificate are 18 hours, comprising 12 hours distributed as follows: one course in language analysis (either English 380 or Linguistics 320); one course in language teaching pedagogy (Linguistics 321); one course in language in the social context (either Linguistics 231 or Linguistics 232); one course in second language acquisition (Linguistics 341). In addition, a student must complete 6 credit hours in one foreign language at Marietta College.

Note: The Marietta College Certificate in TEFL is designed for students who wish to teach abroad. It does not satisfy state requirements for endorsement of a teaching license in public schools in Ohio.

### Certificate in Vocal Pedagogy

Students completing a bachelor of arts degree in music or music education, a bachelor of fine arts degree in musical theatre, or a minor in music may elect to complete the certificate which requires 14 hours in music: MUSC 121, 122; MUED 225, 325, and 425; 6 hours of applied vocal study (excluding preparatory study - MUSC 150); and one semester of applied teaching through the music department. For complete details of these requirements the students should refer to the *Marietta College Music Handbook* available from the Music Office, Hermann Fine Arts Building.

# Undergraduate Degrees - Graduation Requirements

Records Office, Registrar:  
Dr. John C. Tynan (e-mail: records@marietta.edu)

Marietta College offers programs leading to undergraduate (bachelor's) degrees and graduate (master's) degrees. In addition, associate degree and certificate programs are available and described elsewhere in the Catalog. The graduation requirements for bachelor degrees are described below.

## Graduation Requirements

It is the student's responsibility to ensure that he or she understands the requirements, policies and procedures governing the academic program being followed. The student is also responsible for notifying the Records Office by submitting appropriate forms, concerning the addition or removal of a major, minor, or certificate from his or her program of study, and classes added or dropped, or changed on their schedule. The College strongly encourages students to review questions concerning their curriculum requirements with the Records Office. In cases where there is a disagreement of interpretation of part of the curriculum requirements, the Academic Standards Committee will be the final arbiter.

To receive a bachelor's degree from Marietta College the following requirements must all be satisfied:

1. The Credit Requirement
2. General Education Requirement
3. The Upper-level Courses Requirement
4. The Major Requirement
5. The Grade Point Requirements
  - (a) Overall
  - (b) Major
6. The Residency Requirement
7. The Graduation Application Requirement

Undergraduate students usually earn degrees using the requirements of the Catalog in effect during their first year. Students may choose to switch to a more current Catalog in force during their time as a student at Marietta subject to the following restrictions;

- (a) The requirements of the Catalog to which the student wishes to switch must be met in their entirety.
- (b) Students may use any Catalog in use within the six academic years after their matriculation.
- (c) Continuing Education students may use any Catalog within eight academic years after their matriculation.

### 1. The Credit Requirement

Each student must complete at least the number of credit hours specified below.

Most courses receive three semester credit hours, though courses including a laboratory usually earn four semester credit hours.

- Bachelor of Arts (B.A.) 120 hours

- Bachelor of Arts, Public Accounting (B.A.) 150 hours
- Bachelor of Fine Arts (B.F.A.) 120 hours
- Bachelor of Science (B.S.) 120 hours
- Bachelor of Science, Athletic Training (B.S.) 130 hours
- Bachelor of Science, Petroleum Engineering (B.S.P.E) 136 hours

Credit hours for courses numbered less than 100 do not count toward the minimum hours required for graduation. Also, there are restrictions on the number of credit hours that may be counted for individualized and co-curricular courses. These restrictions are described under "Individualized Courses" and "Limitations on Co-curricular Courses" later in this section of the Catalog.

A maximum of 12 credit hours of English as a Second Language (ESL) may be counted towards graduation. A student may not count towards graduation more than 48 credit hours of courses with the same designation (e.g. HIST) or more than 60 hours in any one department where that department offers courses with more than one designation (e.g. ECON, MNGT and ACCT). Exceptions to these limits are the majors in athletic training, musical theatre, petroleum engineering, public accounting, education, music education and theatre (BFA degree). Students should refer to the appropriate departments in the Undergraduate Academic Programs of Instruction section of the Catalog.

For some majors, careful planning may be required to complete both general education and major requirements within the hours specified above.

### 2. General Education

The College believes that a foundation in the traditional liberal arts is an essential preparation for any career. The General Education requirement provides opportunities to study in breadth and complement the in-depth study required of a major. A student's general education and work in his or her major run in parallel through a student's time at Marietta. The General Education program at Marietta is based on the College's Nine Core Values and requires study across a distribution of areas. The program is based on disciplines and cognate areas rather than administrative structures.

In outline, the General Education curriculum requires study as follows. The letters correspond to the distribution code indicated in the course listings issued each semester by the Records Office. The same code is used on the College's website.

- The First Year Program 9 credit hours
- Historical Perspectives, "P" 3 credit hours
- Scientific Inquiry, "B" (with lab) "C" (with no lab) 8 credit hours
- Social Analysis, "Y" 6 credit hours
- Quantitative Reasoning, "Q" 3 credit hours
- Fine Arts, "R" 6 credit hours
- Literary Analysis, "L" 3 credit hours

- Diversity and Global Perspectives, “M” for Global Issues and “X” for Diversity 6 credit hours
- Leadership and Ethics, “K” 3 credit hours
- Writing Proficiency courses, “W” 6 credit hours

## 2A. The First Year Program; 9-10 credit hours

The three components of the First Year Program are

- (a) **The First Year Experience** course (FYE 101), or Honors College Experience Seminar (HONR 101) for students enrolled in the College’s Scholar Program. FYE 101 is a 3 credit hour course, is graded using the standard letter grade system. This course is intended to help the new student make the intellectual transition from high school to college.

**Exception for transfer students:** Students transferring from other colleges with 25 or more semester credits are exempt from this requirement. The exemption does not apply to college-level courses taken by students while they were enrolled in high school.

- (b) **The College Life and Leadership Laboratory**

(FYE 102). FYE 102 is an optional 1 credit hour course. It is graded Pass/Fail (P/F) and may not be repeated. This course is intended to help the new student make the social transition from high school to college. The student will develop the skills and habits of a citizen leader, come to value accountability to the community, personal ownership, and self-governance.

**Exception for At-Risk Students and International Students:** Students designated by Admissions and the Director of the Academic Resource Center as “At-Risk” are required to take the course. International students are required to take a special cultural transitions section of the course.

**Exception for transfer students:** Students transferring from other colleges with 25 or more semester credits are exempt from this requirement. The exemption does not apply to college-level courses taken by students while they were enrolled in high school.

- (c) **Communication.** All students must pass both of the following courses with a grade of “C-” or better.

**English Composition** (WRIT 101), or **Honors Literature** (HONR 201) for students enrolled in the College’s Scholar Program. (See “Alternative means of satisfying communication requirement” section below.)

**Fundamentals of Oral Communication** (COMM 101), or **Honors Communication** (HONR 202) for students enrolled in the College’s Scholar Program. (See “Alternative means of satisfying communication requirement” section below.)

The ability to translate ideas into articulate language is essential to critical thinking and to the work done in any profession. Writing and speaking ability grows out of and is enhanced by the reading and research skills that are likewise essential in the workplace and an important part of a meaningful life.

The courses should be taken during the student’s first two semesters at Marietta. Either course can be taken first but a student may not enroll in both WRIT 101 and COMM 101 in the same semester. Students with low ACT or SAT verbal scores will be required to enroll in and pass WRIT 060 before taking either WRIT 101 or COMM 101, and thus may require three semesters to complete the communication requirement.

## Special Rules for First-Year Courses

Students may not withdraw from the First Year Seminar, FYE 101, the College Life and Leadership Laboratory, FYE 102, Basic Composition WRIT 060, English Composition, WRIT 101 or Fundamentals of Oral Communication, COMM 101. Any exception to this policy can be made only by the Assistant Dean for the First Year Seminar for FYSE 101 and 102, the Chair of the Department of English for WRIT 060/101, and the Chair of the Department of Communication and Media Studies for COMM 101.

## 2B. Historical Perspectives (Core Values 1 and 9); 3 credit hours, Distribution code “P”

The purpose of this requirement is to examine worlds of the past. This requirement introduces students to the political, cultural or intellectual contexts of previous eras. The intent is to examine the interconnectedness and continuity of the human experience, as well as introduce the process of historical interpretation.

Specific Criteria Required for Historical Perspectives Courses:

Historical Perspectives courses are those whose primary focus is on each of the following.

1. Studying the causes and consequences of events and ideas in the past.
2. Developing theses explaining processes of historical change and continuity.
3. Using both primary and secondary sources to analyze events, people, movements, and ideas over time.
4. Providing an appreciation for the uniqueness of historical contexts and for the social construction of reality.

## 2C. Scientific Inquiry (Core Values 1 & 4); a minimum of 8-credit hours, including at least one course with a lab. The requirement may be fulfilled by two, 4-credit lab courses, or one, 4-credit lab course and two, 3-credit non-lab courses, Distribution codes “B” for lab course, “C” for non-lab course.

An understanding of the process by which science discovers new knowledge and how that knowledge is put into practice is essential to living and functioning effectively in modern society and is a critical component of a college education. The scientific inquiry requirement is designed to impart an understanding of: (1) basic content knowledge in at least one area of science; (2) the scientific method and inquiry, including its capabilities and limitations; (3) scientific concepts, as well as develop the student’s ability to use experimentation and measurements in exploring and testing hypotheses; (4) scientific thinking and technology as they relate to societal issues and problems.

Specific criteria required for Scientific Inquiry courses:

Must address all of the following:

1. Provide an in-depth analysis of scientific concepts and the scientific method.
2. Include material that demonstrates the discipline’s impact on society.
3. Include some historical perspective with respect to the development of the discipline’s concepts, theories, and models.

Additional criteria required for lab components of Scientific Inquiry courses:

Must address all of the following:

1. Provide knowledge of and use of the scientific method.
2. Make use of some computer-based technology for acquisition and/or analysis of data.
3. Include at least two experiments in which students are actively involved in the following elements of the scientific method:
  - (a) hypothesis development,
  - (b) experimental design,
  - (c) collection and analysis of data and observations,
  - (d) drawing conclusions based on experimental results,
  - (e) written report.

## 2D. Social Analysis (Core Value 1); 6 credit hours, Distribution code "Y"

The requirement in social analysis is designed to familiarize students with different approaches to the study of social life and to introduce them to modes of thinking about social institutions and cultural norms and their interconnectedness with forms of human behavior. The Social Analysis requirement is designed to introduce students to some of the central concepts and methods of the social sciences and show both the variety and the interconnectedness of social institutions. For example, courses in this area may examine how individuals interact with, and are shaped by, social groups and institutions, including those associated with politics, economics, religion, family, the arts, health, and education; how and why particular forms of social organization and social relations emerge within a group or culture; and the origins, characteristics, and consequences of social conflict and change.

Specific criteria required for Social Analysis courses:

Must address all of the following:

1. Use of models/theories that describe, explain, and/or predict behavior of individuals and groups.
2. Use of empirical methods to evaluate models/theories, using quantitative and/or qualitative evidence.
3. Examination of the interrelationship of human behavior and social institutions.
4. Examination of how social analysis can be applied to further understanding of social events, problems, and situations.

## 2E. Quantitative Reasoning (Core Value 1); 3 credit hours, Distribution code "Q"

Quantitative reasoning is a process in which problems are described mathematically and solved within a structured mathematical framework. This requirement introduces students to the manipulation and interpretation of numerical and categorical information and the quantification of inferences drawn from that information. Appropriate courses include those that address theoretical and/or empirical questions. The goal of this requirement is to give students an understanding of basic mathematical and/or statistical methods and their applications; to provide them with an ability to understand and appreciate quantitative issues that have become part of everyday life.

Specific criteria required for Quantitative Reasoning courses:

Must address at least three of the following five aspects of Quantitative Reasoning:

1. Interpreting Data. Must cover the use of data to create and read graphs, draw inferences, and recognize sources of error. This perspective differs from traditional quantitative reasoning in that data (rather than formulas or relationships) are emphasized.
2. Logical Thinking/Deductive Reasoning. Must include methods of analyzing evidence, reasoning carefully, understanding arguments, questioning assumptions, detecting fallacies, and evaluating risks.
3. Making Decisions. Must introduce the use of quantitative reasoning to make decisions and solve problems in everyday life.
4. Application of Quantitative Reasoning. Must introduce students to the use of appropriate quantitative reasoning tools for specific contexts.
5. Cultural Appreciation. Understanding the nature of quantitative reasoning, its role in scientific inquiry and technological progress, and its importance for comprehending issues in the public realm.

## 2F. Leadership and Ethics (Core Value 8); 3 credit hours, Distribution code "K"

The requirement in leadership and ethics is designed to engage students in disciplined reflection on human conduct, character, and ways of life. Courses in this area focus on leadership related issues, particularly related to ethical thought and moral values that shape individual and collective life. It is important for students to understand the role of citizen-leader if they are to create a livable, sustainable, ethical future. Through inquiry into questions of ethics and morality, these courses will help students to discern, understand, and appreciate ethical issues and to articulate, assess, and defend moral judgments in an informed and thoughtful way.

Specific criteria required for Leadership and Ethics courses:

Must address at least two of the following:

1. The course examines the way leaders and followers develop, maintain, and articulate shared goals and values.
2. The course introduces the student to the major moral principles, such as utility, rights, justice, and virtue.
3. The course requires students to reflect upon living in a society with pluralistic values.
4. The course examines conduct, character and other factors that influence the decision-making of leaders and followers, particularly as they relate to important historical and/or contemporary societal issues.

## 2G. Fine Arts (Core Value 1); 6 credit hours), Distribution code "R"

The requirement in fine arts emphasizes a variety of critical and analytic approaches to artistic expression and/or engages students in the creative practice of "making" art. The courses focusing on critical and analytic approaches to the arts emphasize the development of the skills of reading, observing, analyzing, and appreciation of the aesthetic. They may examine the complex interplay between individual talent,

artistic tradition, and historical context. The courses focusing on creative practice emphasize the interplay between technical discipline and creative imagination in the production of works of art. Students may earn a maximum of 3 hours towards the Fine Arts General Education requirement from the following courses: a) 3 hours of Music 161, 162, 163, 165 and/or 361; or b) 3 hours of applied music lessons in the same instrument, numbered 151 or above or c) 3 hours of Dance 103, 104, 105, 106, 107 and/or 108.

Specific criteria required for Fine Arts courses:

Fine Arts courses are those that primarily focus on the creative, visual and/or performing arts through critical and analytical approaches to artistic expression in at least one of the following ways:

1. By significantly engaging students in the practice of visual or performing art.
2. By developing student skills in reading, observing, analyzing, and appreciating the aesthetics of art created by others.

## 2H. Literary Analysis (Core Value 1); 3 credit hours, Distribution code "L"

The Literary Analysis requirement emphasizes the skills of reading, observing, and analyzing texts and films. Students will learn how the form of a text or film contributes to its message and impact. That is, they will study form and content as an interconnected whole.

Specific criteria required for all courses in Literary Analysis:

Must address both of the following:

1. Provide a close reading of texts or films, including knowledge of their historical and cultural contexts. In most cases this will require a special attention to language.
2. Teach students how to identify and understand the characteristics and conventions of the genre being studied (e.g., epic poetry, drama, documentaries, novels, memoirs, etc.).

## 2I. Diversity and Global Perspectives (Core Value 9); 6 Credit hours in Diversity and Global Perspectives, Distribution codes "M" for Global Issues courses, and "X" for Diversity courses.

The requirement in Diversity and Global Perspectives prepares students to understand diversity within their own society, the role of culture in shaping human lives, and the relations among states or groups of people. Dimensions of diversity include but are not limited to race, ethnicity, gender, physical or mental ability, religion, language, socio-economic status and sexual orientation. These courses prepare students to live and work in a diverse society and a connected, interdependent world. While any two courses will fulfill the requirement, a student whose first course is in a language is strongly encouraged to fulfill the second requirement with a second course in that language.

Specific criteria required for Global Issues courses:

Must address all of the following:

1. Culture: Focus on at least one culture through the study of one or more of the following: social structures, religions, historical traditions and customs, languages, politics, economics, etc.
2. Diversity: Explore the diverse backgrounds and characteristics found among humans through the examination of at

least one of the following: age, disability, ethnicity, gender, race, religion, sexual orientation, or social class.

3. Global Perspectives: Compare and understand some factor or set of issues in different cultural or regional settings, or investigate the relationships among states or groups of people.

## 2J. Writing Proficiency (Core Value 1); 6 credit hours courses at the 200-400 level which have been designated as Writing Proficiency. Code "W"

A Writing Proficiency course is one in which formal or informal writing is an integral part of student learning. The intent of a "W" course is to provide students with opportunities to write, to receive feedback from their instructors and/or peers, and to demonstrate how to write in a particular style or discipline.

English Composition, WRIT 101, is a prerequisite for all Writing Proficiency courses.

The criteria for Writing Proficiency courses are:

1. Writing 101 is a prerequisite.
2. Clear description of the writing assignments in the course syllabus.
3. Implementation of a pedagogical strategy to improve student writing skills. No single model is necessarily appropriate to all disciplines and courses. The course should include preliminary process assignments that culminate in one or more completed works, as the emphasis of Writing Proficiency courses is to help students improve the quality of the final work. The number of final and process assignments in the course is left up to the instructor, but the writing pedagogy should reflect the commitment of the course to improve student writing.

Rules applied to General Education courses:

- (a) Unless otherwise stated, general education requirements may be satisfied only by three or four hour credit courses.
- (b) With the exception of Writing Proficiency Courses, no course can count for more than one general education requirement. However, a single course may count as both a course for a major/minor/certificate and a general education requirement.
- (c) Students may not count more than 3 courses in the same subject area towards general education requirements 2B through 2J. "Subject area" is defined by the prefix used by the Records Office.

## 3. The Upper-level Courses Requirement.

Every student must pass at least 30 credit hours of courses numbered 300 or above.

## 4. The Major Requirement.

All Marietta students must complete either a major selected from the list shown under Undergraduate Programs of Instruction or a student-designed major.

The criteria for a student-designed major are shown under Academic Policies and Practices as are the requirements for students pursuing a second major. A General Studies major (B.A.) is available only to stu-

dents enrolled in the Continuing Education Program. (See Continuing Education section of the Catalog for more details.)

### 5. The Grade Point Requirements.

Marietta College uses a 4.0 grading system where A = 4 quality points, B = 3, etc., with +/-, so, for example, B+ = 3.33 quality points. (The grade A+ can be awarded but earns only 4 quality points.) For details see "Grading System" in the Academic Policies and Practices section of the Catalog.

- (a) Overall. Each student must earn at least an overall 2.000 grade average.
- (b) Major. Each student must earn at least a 2.000 grade average in his/her major. A higher grade average is required for Education (Licensure Program), Athletic Training and Petroleum Engineering. The student should refer to the Undergraduate Programs of Instruction section for specific grade requirements.

The grade point average for the major (and minor and/or certificate) will be calculated on the basis of all and only those courses which appear on the student's official degree audit form maintained by the Records Office. The process for students making inadequate progress towards these goals is described under "Academic Warning, Probation, Dismissal" in the Academic Policies and Practices section of the Catalog.

### 6. The Residency Requirement.

The following credit hours must be completed in residence at Marietta College.

- (a) No fewer than 36 of a student's last 43 hours.
- (b) No fewer than 18 hours in the discipline of the major.
- (c) No fewer than 6 hours in a minor.

Credit hours earned in an approved off-campus study program are considered to be "in residence."

### 7. The Graduation Application Requirement.

A student intending to complete graduation requirements by the end of the Spring semester or Summer session must notify the Records Office by the first day of classes of the first semester of the Fall semester. A student planning to complete graduation requirements at the end of the Fall semester should notify the Records Office by the first day of classes of the Spring semester.

## Alternative means of satisfying communication requirement

### English composition

The WRIT 101 requirement can be satisfied under either of the following conditions:

- (a) The student transfers an equivalent course from an accredited institution;
- (b) The student receives a score of 4 or 5 on the College Entrance Examination Board (CEEB) Advanced Placement Program composition test.

### Oral communication

The COMM 101 requirement can be satisfied under either of the following conditions:

- (a) The student transfers an equivalent course from an accredited institution;
- (b) The student achieves a grade of "C-" or better in all three parts (exam, outline, and speech) of the Oral Communication Proficiency Examination (see below), and who has significant speaking experience.

The Oral Communication Proficiency Examination is a three-part process conducted by the Department of Communication. The first part consists of a written exam (in an objective format) on the principles of oral communication. Successful completion of the part with a grade of "C-" or better, is necessary for moving on to the other two parts. The first part is given only on the first Friday of each semester.

The second part of the Proficiency Examination gives the student an opportunity to write and present an outline for a ten-minute, proposition of policy speech.

The final part of the Proficiency Examination is the presentation of the policy speech before three members of the faculty.

Students achieving a grade of "C" or better on all parts will be exempt from the COMM 101 part of the Communication Requirement, and will also be qualified for courses with COMM 101 as a prerequisite.

The Proficiency Examination carries no academic credit and provides only the waiver and qualification referred to above. The examination must be taken during the first two semesters on campus.

### Limitations on Individualized Courses

Individualized courses include directed research, independent study, internships, and tutorships. They are described under "Individualized Courses" in the Curricular Options and Enhancements section of the Catalog. A student may count no more than nine hours towards graduation in any combination of these courses with the restriction that there be no more than two hours of tutorship.

### Limitations on Co-curricular Hours

Students may count up to 20 credit hours of co-curricular courses to satisfy the Credit Requirement described above. The following are the co-curricular courses with further restrictions within the 20 credit maximum:

**Communication, Forensics:** A total of four credit hours of Practicum in Forensics (COMM 125, 225) may be applied to satisfy the minimum credit hours required for the Bachelor degree.

**Health and Physical Education:** A total of four credit hours of Aerobic and Lifetime Activity courses, and Varsity Sports may be applied to satisfy the minimum credit hours required for the Bachelor degree. Lifetime Activity courses (PHED 101, 116, 117, 119, 121, 123, 125, and 210) may be used as part of the Health and Physical Education option. A maximum of two credit hours of Varsity Sports (football, soccer, cross country, basketball, baseball, volleyball, track, tennis, softball, and crew) can be used as part of the Health and Physical Education option.



**Mass Media:** A total of eight credit hours of Practicum in Mass Media (Video Practica: MASS 350, 351, 450, 451; Advertising/Public Relations Practica: MASS 352, 353, 452, 453; Audio Practica: MASS 354, 355, 454, 455; Journalism Practica: MASS 358, 359, 458, 459) may be applied to satisfy the minimum credit hours required for the Bachelor degree.

**Music, Applied Music:** A total of eight credit hours of Applied Music courses (MUSC 150, 151, 251, 351, and 451) may be applied to satisfy the minimum credit hours required for the Bachelor degree with the exception that music majors may count the 12 hours of applied music that are required for the major towards the hours required for graduation. Ensemble: A total of eight credit hours of Ensemble courses (161

through 169, 361) may be applied to satisfy the minimum credit hours required for the Bachelor degree.

**Theatre, Acting:** A total of four credit hours of Acting Practicum (THEA 125, 225) may be applied to satisfy the minimum credit hours required for the Bachelor degree

### Limitation on S/U Courses

Except where a course is offered only on a Satisfactory/Unsatisfactory (S/U) grade basis, all courses used in satisfaction of all general education requirements and in satisfaction of requirements for majors, minors, and certificates must be taken for a letter grade.

# Academic Policies and Practices

Records Office, Registrar:

Dr. John C. Tynan (e-mail: records@marietta.edu)

Marietta College abides by the Family Education Rights and Privacy Act of 1974 (FERPA, "Buckley Amendment"). This legislation is designed to protect the privacy of a student's educational records.

## Academic Policies

### Confidentiality of Student Records

Information held by the College in any office (e.g. Records Office, Provost's Office, Office of the Dean of Student Life, Broughton Health Center, Career Center, Admissions Office, Student Financial Services Office, Cashier's Office, Business Office, and faculty offices) is released for off-campus use only with the student's written consent or upon subpoena, with the exceptions listed below.

Data classified as directory information, which may be released to anyone by the College on request, includes the student's home and local addresses, dates of attendance, degrees and awards received, date of graduation, date and place of birth, major field of study, participation in officially recognized activities and sports, and, if a member of an athletic team, weight and height. In addition, information about a student's accomplishments, such as participation in recognized student activities and receipt of awards and honors, may be communicated to news media, parents and the high school the student attended, unless the student specifically requests that such communication not take place. Such a request must be in writing and sent to the Office of College Relations, Irvine Administration Building. Such requests must be resubmitted at the beginning of each academic year and may cover no more than one year. A request to have the student's information excluded from the annual Directory of Students, Faculty and Staff must be filed in writing with the Office of the Dean of Student Life, Andrews Hall.

Student records (i.e. grades, disciplinary action, health records, etc.) may be released to parents or legal guardians only with signed consent of the student. The student must provide the College with a signed waiver for such release of information. Waiver forms are available in the Records Office and the Office of the Dean of Student Life.

Student account information can only be released to parents, legal guardians, or other third parties with the student's consent. The student must sign a waiver specifically authorizing the release of financial information and provide it to Marietta College Student Accounts. The waiver (Authorization to Release Financial Information) can be obtained at the Student Accounts web page.

### Confidentiality of Student Images/Photos

Marietta College abides by the Family Education Rights and Privacy Act of 1974.

Photographs or video of students held by the College in any office (e.g., College Relations, Admission, etc.), and obtained through an orchestrated or planned photo or video shoot can not be used or released for

marketing purposes of the College without written consent from the student.

Photographs or video taken during live events (e.g., athletic contests, Commencement, Matriculation, etc.) are allowed to be used, unless the student has a signed request on file with College Relations to not use any images or likenesses of them on file. This request is valid for one year and must be re-submitted each academic year.

### Confidentiality of Transcripts

A student's transcript may be reviewed by only authorized personnel of the College, the student, and individuals specified by FERPA. Generally, the Records Office must have written permission to release information from the student's transcript. Parents who wish to review their child's transcript should contact the Office of Dean of Student Life for the necessary procedures.

### Academic Dishonesty

Dishonesty within the academic community is a very serious matter, because dishonesty destroys the basic trust necessary for a healthy educational environment. Academic dishonesty is any treatment or representation of work as if one were fully responsible for it, when it is in fact the work of another person. Academic dishonesty includes cheating, plagiarism, theft, or improper manipulation of laboratory or research data or theft of services. A substantiated case of academic dishonesty may result in disciplinary action, including a failing grade on the project, a failing grade in the course, or expulsion from the College.

If a substantiated case of academic dishonesty results in a failing grade in the course, a student who chooses to withdraw from the course will receive a grade of "F."

In cases of suspected academic dishonesty, the instructor is advised to consult with his or her chair and, if deemed necessary, with the Dean of the Faculty. If it is determined that academic dishonesty has occurred, it is the responsibility of the instructor to notify the Dean of the Faculty and the Dean of Student Life of any penalties which have been applied. Those offices will keep a record which may guide action in case of another offense in the future.

### Academic Grievances

Marietta College is committed to the highest principles of academic and personal integrity and a sensitive regard for the rights of others. Essential to these rights are the individual responsibilities of faculty and students.

Faculty are responsible for clearly communicating their grading policies, testing procedures, and expectations of student performance at the beginning of each course, as described in the *Faculty Manual*. Students are responsible for following these policies and fulfilling those expectations. Although students have the right to their opinions about course content and delivery, they remain responsible for learning the content of the course. The procedures for grievances are outlined in the *Student Handbook*.

### Class Attendance

It is the responsibility of individual instructors to evaluate the importance of student class attendance in determination of course grades. Accordingly, each instructor prepares at the beginning of each semester a written statement setting forth a policy for consideration of unexcused absences, makeup examinations, and related matters, which will be in force for that semester. The statements are filed with the Dean of the Faculty and a statement of policy on attendance appropriate to each class is read at the first class meeting.

A faculty member may not change the time of a final examination, either for a class or for individuals. Such changes may be made only by the Dean of the Faculty.

### Missed Class Time Due to Co-Curricular Events

Classes missed due to participation in college-sponsored co-curricular events are considered excused absences provided appropriate procedures are followed. The student must notify the instructor at the earliest possible time before the absence and arrange to make up missed work as defined by the instructor's syllabus. The activity must be a performance, professional meeting, or athletic contest to be considered an excused absence.

An excused absence allows the student to make up exams or quizzes given during the absence, or to reschedule oral presentations. It is the responsibility of the student to get notes from the class and to compensate as much as possible for the absence. It is also the student's responsibility to work with the instructor in determining an appropriate time for make-up assignments. Students must recognize that many classroom and laboratory activities cannot be replicated and that absences may be detrimental to their performance.

## Academic Practices

### Registration

Students register according to a timetable determined by the Registrar of the College. In order to register for courses, a student must receive clearance from the Business Office. Students must arrange a consultation with their academic advisor as part of the registration process.

### Changing Courses

Students may change their course schedule either at the Records Office by submitting the appropriate completed form or electronically by their academic advisor. The College interprets the submission of the *Course Add/Drop* form or *Withdrawal* form to indicate that the student understands how the requested course changes affect his or her degree requirements. Students receiving financial aid or veterans benefits must meet with the appropriate official in Financial Services.

### Changing courses within the first two weeks of the semester (add/drop period).

To change courses, the student may obtain a *Course Add/Drop* form from the Records Office. This form allows students to add courses until the end of the first week of classes and drop courses from their schedule until the end of the second week of classes. To complete

the form, the student must receive the signature of his or her advisor. Alternatively, the add/drop may be done electronically by a student's academic advisor. The dropped course will not be recorded on the student's transcript.

### Withdrawing from courses after the add/drop period

A student has the option to withdraw from any courses except the First Year Seminar (FYE 101), the College Life and Leadership Laboratory (FYE 102), Writing 101, and Communication 101 through the end of the semester. Students withdrawing from courses after the second week of classes must obtain a *Withdrawal* form from the Records Office. This form once completed and signed by the student must be signed by the course instructor, and the student's advisor to verify that they have been consulted. If the signed form is returned to the Records Office by the end of the 9th week of classes, a grade of W will be assigned and will appear on the student's transcript. If this is done after the 9th week of classes, a grade of WF will be assigned. Refer to the section on Grading System below for more details.

For any physical education courses meeting for fewer than the normal 15 weeks of the semester the add/drop-withdrawal periods will be pro-rated by the chair of the Department of Health and Physical Education. For other courses meeting for fewer than the normal 15 weeks of the semester or starting at a date later than the first week of the semester, the add/drop-withdrawal periods will be pro-rated by the Registrar of the College.

### Waitlisted Courses

Frequently, if a course is closed (filled to capacity), a student may elect to be added to a waitlist. When a seat becomes available in a waitlisted course, the first student on the waitlist will be notified by email. The student will be given three days to contact the Records Office and accept or decline the available seat. If the opening is declined or there is no response by the end of the third day, the student will be dropped from the waitlist and the next student on the list will be granted permission to enroll in the course. In order to benefit from this process, students will need to check their Marietta College email account regularly.

### Special Rules for First-Year Courses

All first-year students will enroll in the First Year Experience course, FYE 101 during the fall semester. In addition, all first-year students must complete English Composition, WRIT 101 and Fundamentals of Oral Communication, COMM 101 with grades of C- or better. Students may not enroll in WRIT 101 and COMM 101 during the same semester. Students designated by Admissions and the Director of the Academic Resource Center as "At-Risk" are also required enroll in FYE 102. International students are required to take a special cultural transitions section of FYE 102.

Students may not withdraw from the First Year Experience course, FYE 101, the College Life and Leadership Laboratory, FYE 102, English Composition, WRIT 101 or Fundamentals of Oral Communication, COMM 101. Any exception to this policy can be made only by the Assistant Dean for the First Year Seminar for FYE 101 and 102, the chair of the Department of English for WRIT 101, and the chair of the Department of Communication and Media Studies for COMM 101.

## Grades

### Grading system

Midterm and final letter grades and their equivalents in quality points are:

A+ = 4.00	B+ = 3.33	C+ = 2.33	D+ = 1.33
A = 4.00	B = 3.00	C = 2.00	D = 1.00
A- = 3.67	B- = 2.67	C- = 1.67	D- = 0.67
			F = 0.00

Grades mean: **A**, *Excellent*; **B**, *Good*; **C**, *Average*; **D**, *Poor, but passing*; **F**, *Failure*

Other report abbreviations and their meanings are:

I, Incomplete; P, Pass; PNC, Proficiency; S, Satisfactory; W, Withdrawn; WF, Withdrawn failing = 0.00; X, Registered, but unevaluated at mid semester; Au, Audit; Lab, grade and credit included in lecture.

1. An **Incomplete (I)** may be given when the student, for reasons beyond his or her control, is unable to complete the work of a course. It may also be given at the end of the first semester in two-semester courses (honors projects, independent study projects, and internships) if the course is unevaluated at the end of the first semester. In all cases neither the grade nor the hours of incomplete are counted in the computation of the semester or cumulative grade point averages.

An incomplete must be removed prior to the due date of midsemester grades for the semester following receipt of the incomplete unless the course instructor notifies the Records Office this requirement should be waived. Otherwise, the grade of incomplete automatically becomes a grade of F. (Students will not be notified in advance of this automatic grade change.) Incompletes may be extended, by request of the instructor, to the end of the semester following the semester in which the incomplete was first granted. Further extensions would be determined by petition to the Academic Standards Committee.

2. A **Pass (P)** grade applies only to the College Life and Leadership Laboratory (FYSE 102). Pass means the equivalent of mastery of the material at least at an 80% level. FYSE 102 work which does not achieve a Pass grade will be graded with a letter grade of F. FYSE 102 completed with a Pass grade will provide 1 hour towards the credit requirement for graduation, but will not be included in the computation of the student's cumulative grade point average.

3. A **Proficiency grade (PNC)** is used for courses which earn no credit hours but in which a student has achieved a specified level of proficiency.

4. **Failure (F)** is given for failure to meet the standards of the course; or failure to complete the work of the course. A student who fails to take the final examination in a course will receive F, unless excused by the Academic Standards Committee.

If a substantiated case of academic dishonesty results in a failing grade in the course, a student who chooses to withdraw from the course will receive a grade of F.

Any course for which the grade of F is received may be repeated only under the regular letter grading system.

5. **Withdrawn (W)** is an unevaluated grade given for withdrawal:

- for medical or other extenuating circumstances at any time during the semester;
- at the option of the student until the end of the 9th week of the semester after consultation with the instructor of the course, the department chair, and the student's academic advisor.

6. **Withdrawn-failing (WF)** is a mandatory grade for students who withdraw from a course after the 9th week of the semester and not falling within the conditions of 5(a) above. The WF grade will be counted on the same basis as an F in calculating a student's average.

7. Some departmental courses are only graded S/U. **Satisfactory** means the equivalent of at least C- work, whereas work rated below C- would be graded as **Unsatisfactory**.

Courses graded S/U will not be included in the computation of the student's cumulative grade point average. Only courses with Satisfactory grades may be counted toward graduation. Any course in which a grade of U is received may be repeated only under the regular letter grading system.

8. **Registered but unevaluated** at midsemester (X), is given when the course instructor cannot fairly evaluate a student's performance for a midsemester grade report.

9. Any student may elect to **audit (AU)** a course, that is, to take it for noncredit. If a student chooses to audit a course, he or she is not required to take examinations or meet any of its academic obligations, and no grade is awarded. The student may choose this option until the end of the add period at the beginning of the semester (first week of class). After this time, the decision is irreversible.

10. With the exception of FYE 101 sections not offered to the general college population and FYE 102, students are allowed to retake a course at Marietta College at any time.

- Any course in which a grade of U or F is received may be repeated only under the regular letter grading system.
- Credit for the course will be given only once, and is determined by the most recent grade in each course (if a student retakes a course and receives an F, they lose credit for the course).
- The official transcript will show the student's complete record, but the grade point average will be computed on the basis of the most recent grade in each course. This policy of the College will be noted when a transcript is sent out.
- Courses repeated at other institutions do not affect the student's grade point average.

### Policy Regarding Grades in the Event of Complete Withdrawal

1. The grade of "W" will be recorded for each course for which a student was registered if the student withdraws from the College starting the first day of the semester but before the end of the ninth week of the semester.

2. The grade of "WF" will be recorded for each course for which a student was registered if the student withdraws from the College after the ninth week of a semester. Under certain circumstances, such as family catastrophe or substantiated medical problems, grades of "W" may be recorded after the ninth week at the discretion of the Provost.

3. If substantiated case of academic dishonesty results in a failing grade in the course, a student who withdraws from the College will receive a grade of F for the course.

### Satisfactory-Unsatisfactory Grade Option

Students with junior or senior standing and a cumulative grade point average of 2.00 may elect to take one course per semester in which the evaluation is made on a satisfactory-unsatisfactory basis, instead of the usual letter grades. The following conditions apply to this option.

1. Courses taken to fulfill requirements for a major, minor or certificate and the general education requirements for graduation are excluded from this option;
2. The student exercising this option will do so with the permission of his or her advisor at the time of registration. In accord with the current practice for changing courses, the student will not be allowed to convert to the regular grading system or to convert a course from the regular grading system after the first week of the semester;
3. The instructor will be apprised of the student's taking the course under the option, with the understanding that the student will satisfy the same requirements for entrance into and completion of the course expected of students enrolled under the regular grading system;
4. With the approval of the Curriculum Committee:
  - (a) A department may elect to offer a course only on an S/U basis; enrollment by a student in such a course does not deprive that student of the opportunity to use the S/U option for another course during that same semester;
  - (b) A department may elect to exclude any course from the S/U option.
5. When an instructor is permanently replaced after the one-week add period, students are allowed the option (which must be exercised within one week) of changing their choice of receiving a grade in the course to one of receiving an S or U. The student is also given the opportunity to withdraw from the course whether or not the nine-week drop period has passed;
6. Any student may elect to take any Lifetime Activity Course in physical education on an S/U basis. Such election need not satisfy the above conditions and does not preclude the election of an additional S/U course under the above conditions;
7. Any use of the S/U option other than specified above may be authorized by the Curriculum Committee with the concurrence of the appropriate department chairperson.

### Auditing courses

Courses may be audited by individuals interested in the topic and who do not wish to receive academic credit for their participation. Regularly enrolled students are permitted to audit courses within the maximum load of 18 credit hours without charge, but must first secure written permission from the course instructor and the Dean of the Faculty. Courses selected by a student for auditing may not be changed for credit, or vice versa, after the end of the first week of classes.

### Transfer credits

Marietta students who wish to take courses elsewhere for possible transfer of credit to Marietta College should secure advanced approval through the Records Office.

Credit will be allowed for courses equivalent to or similar to those offered by Marietta College and completed with a grade of "C-" or better, although transfer credit from non-accredited institutions is not guaranteed. The credit hours transferred in will be shown as transfer credits on the student's Marietta College transcript and can be used to satisfy the credit hour requirement for graduation, but the grades earned for transferred courses are not included in computing the student's cumulative grade point average for the Marietta College degree. Transfer hours do not count as hours "in residence" except when part of an approved study abroad program. Students planning to transfer in credits are reminded of the College's Residence Requirement for graduation.

Credit hours transferred in from an institution following a "quarter" or a "unit" program will be pro-rated to "semester" hours. Details can be obtained from the Records Office

### Advanced Placement, CLEP and similar programs

Under certain circumstances, a student may offer for consideration credits earned through the College Entrance Examination Board (CEEB) Advanced Placement (AP) Program, the College-Level Examination Program (CLEP), the DANTES Subject Standardized Tests (DSST), the International Baccalaureate Diploma (IB), and/or departmental credit by examination.

Marietta College also offers the option of assessment of prior learning for life experience credits for Continuing Education students only. Refer to the Continuing Education section of the catalog for details.

Credit earned through these specific programs may be used at Marietta College: 1) in satisfaction of elective credit; 2) in satisfaction of majors, minors, and certificates, subject to the approval of the department chairperson; 3) in satisfaction of the communication components of the general education requirements (*subject to departmental policy for each examination*).

### College Entrance Examination Board (CEEB) Advanced Placement (AP) Program

High school students who demonstrate achievement on Advanced Placement Program tests as administered by the College Entrance Examination Board may have the results submitted to Marietta College to be considered for credit. At the end of the Undergraduate Admissions section of the Catalog, a table shows the scores required for College credit to be received. Scores of 3 may be considered for waiver of prerequisites with departmental approval. With appropriate scores, students may receive up to 8 semester hours credit for each examination.

### College-Level Examination Program (CLEP)

Under certain circumstances a student may offer for consideration credits earned through the College-Level Examination Program (CLEP)

of The College Board. **Students will not be eligible to receive CLEP credit for courses when college credit has been awarded for the same course or more advanced courses in that same subject area.** To receive credits for a CLEP examination, the student must provide a score report from CLEP and have obtained the minimum accepted score for that exam as determined by Marietta College departmental policies. The College will grant a total of up to 36 hours of credit by examination through CLEP/DANTES toward graduation. Information concerning CLEP minimum scores and examinations for which credit is awarded may be obtained from the Academic Resource Center (ARC).

### **DANTES Subject Standardized Tests (DSST)**

The College also accepts credit through DANTES Subject Standardized Tests (DSST). The College will grant a total of up to 36 hours of credit by examination through CLEP/DANTES toward graduation. Information concerning DANTES may be obtained at the Academic Resource Center (ARC).

### **International Baccalaureate Diploma**

The College recognizes the International Baccalaureate Diploma Program for admission purposes and advanced placement. Students who have received the IB Diploma will be granted general college credit for up to two higher level IB courses in which they achieve grades of 5 or better. Decisions on placement and credit in departmental majors, minors, and certificates are made by the Registrar in consultation with the appropriate department chairs.

### **Life Experience Credit**

Marietta College also offers the option of assessment of prior learning for life experience credit for Continuing Education students only. Refer to the Continuing Education section of the catalog for details.

### **American Council on Education (Armed Services)**

The College considers the recommendations of the American Council on Education when reviewing an application for transfer credit. The recommendations are contained in the Guide to the Evaluation of Educational Experiences in the Armed Services and the National Guide for Credit Recommendations for Noncollegiate Courses. The recommendations are considered when assessing for possible award of credit successfully completed courses listed in these publications and which are equivalent to or similar to courses offered at Marietta College.

### **Credit by Examination**

Departmental credit by examination is available for some Marietta College cataloged courses. Courses successfully taken by examination will be indicated with a grade of S (Satisfactory) on the College transcript. A student may take an examination only once for any given course. Information regarding such examinations can be secured from the Academic Resource Center (ARC) and/or appropriate department chairperson.

## **Academic Advising**

Academic advising is viewed as an integral part of the educational process and every undergraduate at Marietta College will have an aca-

ademic advisor. Advising is the process by which the student is directed to significant knowledge of self and of the College and its resources and requirements.

### **Student's Responsibility**

It is the student's responsibility to ensure that he or she understands the requirements, policies and procedures governing the academic program being followed. The student is also responsible for notifying the Records Office by submitting appropriate forms, concerning the addition or removal of a major, minor, or certificate from his or her program of study, and classes added or dropped, or changed on their schedule. The College strongly encourages students to review questions concerning their curriculum requirements with the Records Office. In cases where there is a disagreement of interpretation of part of the curriculum requirements, the Academic Standards Committee will be the final arbiter.

### **First Year Students**

The instructor in a first-time student's First Year Experience course (FYE 101) or its Learning Community partner where applicable is typically the academic advisor for at least the first two semesters. The academic advisor assists the student with the registration process and other aspects of academic advising. The student is encouraged to select by the beginning of the third semester an advisor from among the faculty teaching in the student's major.

### **Change of Advisor**

To change academic advisor, the student should first approach a faculty member of the department in which the student plans to major. (Alternatively, a student may ask the chair of the department to recommend an advisor.) If the faculty member agrees to accept the student as an advisee, the student must fill out the Change of Advisor form available in the Records Office.

### **Transfer Students**

The Office of Admission will assign an academic advisor to transfer students who are not required to enroll in the First Year Seminar. Where a transfer student has decided on a major the Office of Admission will consult with the chair of the relevant department before assigning an academic advisor.

## **Academic Status**

### **Full-time Students**

The minimum semester load for a full-time student is 12 semester hours of courses. The normal semester load for the Bachelor degree is 15 to 18 hours. This load typically allows students to complete the Bachelor degree within four years.

Students with a 3.00 or greater cumulative grade point average, or those who can demonstrate a need to do so, may take more than 18 hours with the permission of their advisor and the Registrar. Consult the section of the catalog on "Table of Fees" concerning the fee for hours in excess of 18.

### Part-time Students

Anyone may enroll as a part-time student. Part-time students are limited to academic work totaling 11 hours (but usually take less) for credit in any one semester, whether taken in day or evening sessions or both.

Part-time students may not participate in intercollegiate sports or certain extracurricular activities, and may not affiliate with College fraternities or sororities. Part-time students are charged on a semester-hour basis.

### Continuing Education Students

Continuing Education status is open to students of 24 years of age or older. Detailed information concerning this classification may be obtained from the office of Graduate and Continuing Studies.

### Classification

A candidate for a Bachelor degree is classified according to the following schedule of credit hours earned:

Freshman	0 - 24
Sophomore	25 - 58
Junior	59 - 91
Senior	92 or more

### Academic Standards Committee

The Academic Standards Committee responds to problems arising from academic deficiencies of individual students, petitions for exemption from requirements of the curriculum, and petitions for transfer of credits.

Students wishing to petition the committee should follow this format/content:

1. A concise statement of the action or decision sought by the petitioner. Examples are:
  - Request waiver of requirement in the curriculum,
  - Request for transfer of course credit
  - Request for appeal of probation or dismissal
2. A rationale for the action or decision being sought.
3. Other documents that verify claims made by the petitioner or that support the requested action or decision. Examples are:
  - Letter(s) from advisor, instructors, or both
  - Letter(s) from psychologist, counselor, physician, or minister
  - Letter(s) from employer(s)

Completed petitions must be submitted to the Records Office no later than 48 hours before a regularly scheduled committee meeting

### Academic Standing

A student is either “in good academic standing” or “on academic probation.” A student’s status is dependent on the number of credit hours attempted and the grade point average earned. As indicated below, a student in good academic standing may also be on “academic warning” because of performance within a semester.

For a student to be in good academic standing, the student must

achieve or exceed the following minimum grade point average for the credit hours attempted.

Credit hours attempted	Minimum GPA
24 hours or less	1.8
25 hours or more	2.0

When a student falls below the appropriate minimum grade point average listed above, that student is no longer in good academic standing. The College’s procedures for this situation are detailed in the section below “Academic Warning, Probation, Dismissal.”

Similar rules are applied by the Federal and State authorities and the College for maintaining eligibility for financial aid. Please refer to the “Standards of Satisfactory Academic Progress” in the Undergraduate Tuition, Fees and Financial Aid section of this Catalog.

### Academic Warning, Probation, Dismissal

The Marietta College Community is dedicated to the academic success of all students and our goal is to aid students in their progress toward graduation. The policies governing academic warning, probation and dismissal are designed to help ensure that a student is making satisfactory progress toward degree completion.

A student will receive an academic warning when his/her semester grade point average falls below 2.0. Academic warning is used to alert students to potential problems with unsatisfactory academic progress. Upon their placement on academic warning, students will receive a letter from the Academic Resource Center identifying strategies to improve their academic performance.

The purpose of academic probation is to

- inform students when they are not meeting the normal academic standards expected of college level students;
- encourage students to re-evaluate their motivation and to develop strategies for academic success;
- encourage students to spend more time on academic endeavors.

Upon their placement on academic probation, students will receive a letter from the Academic Resource Center identifying strategies to improve their academic performance. Students are also required to meet with a staff member of the ARC and their academic advisor to discuss their probationary status within the first two weeks of the semester.

Should a student’s cumulative grade point average remain below the stated minimum for two consecutive semesters, the Academic Standards Committee will review the individual’s academic record and determine whether to dismiss the student from the College. A student may appeal the decision to dismiss to the Academic Standards Committee.

A student can also be considered for dismissal by the Academic Standards Committee with no prior warning or probationary period when his or her performance drops significantly below the minimum stated above

## Restrictions applying to Students on Probation

The following restrictions apply

1. A student on academic probation may enroll in no more than 14 credit hours each semester.
2. The following co-curricular restrictions will apply to a student on academic probation
  - a. They are ineligible to participate in any college athletic team or club sport.
  - b. They may not hold office in any campus organization or social fraternity or sorority.
  - c. They may not travel off campus to a meeting or trip with any college organization or club unless required to do so for an academic program.
  - d. They may not represent the college in any on campus or off campus public events or other co-curricular activities (e.g., plays, musical performances, student newspaper) unless required to do so for an academic course.
  - e. They may not register for courses that require co-curricular participation, unless required by their major.

The above restrictions, credit hours and co-curricular, first apply in the semester in which the student is placed on academic probation, with the exception that for first year students, implementation of the above co-curricular restrictions will occur at the end of the spring semester. The restrictions continue in force until the student has returned to "good academic standing", with the exception that when a student has earned a semester grade point average of 2.0 or better, with a minimum of 12 credit hours attempted in the last semester attended (Fall or Spring), co-curricular restrictions will not be enforced for the following semester. All appeals will be handled by the Academic Standards Committee.

At the beginning of each semester, a list of students on academic probation will be available in the Records Office. All faculty, staff and administrators that directly or indirectly supervise co-curricular activities are responsible for checking with the Records Office to ensure that students are eligible to participate in a co-curricular activity. The Provost of the college is responsible for enforcing adherence to the academic probation policy by all members of the college community.

## Readmission after Dismissal

A student who has been dismissed for insufficient grade point average may be considered for readmission on probation if that student has been away from Marietta College for at least a summer plus one semester, and can submit evidence of maturity and motivation. Examples of such evidence are:

- Transcript of credits earned at an accredited college or university
- Letter(s) from employer(s)
- Record of service in the armed forces

A student dismissed for insufficient grades, readmitted, and separated from the College again for the same reason, is thereafter ineligible to return.

## Fresh Start Policy

Under the Fresh Start Policy, students readmitted to the College after an absence of five or more years may petition the Academic Standards Committee to have their previous grade point average eliminated. If the petition is approved, the student receives credit for all courses previously taken and passed with a grade of "C" or better and no credit for courses in which a grade of "C-" or lower was earned. All the work previously taken is ignored in computing the student's cumulative grade point average, except for the purpose of calculating eligibility for graduating with honors. All courses and grades remain on the student's record. Under the Fresh Start Policy, a student must be re-enrolled for a minimum of 30 semester hours before becoming eligible for graduation.

## Returning students

All former students wishing to return to Marietta College must first make application to the Records Office, and have all transcripts of work taken elsewhere sent no later than thirty days prior to the first day of registration for the semester under consideration.

## Academic, Personal, Medical Leave

### Leave of Absence or Withdrawal Policy

Each leave is for one semester, renewable for a second semester. No leave may extend for more than two consecutive semesters, although there is no limit to the total number of semesters that a student may accumulate.

#### I Types of Leaves

1. Academic Leave: intended for students participating in approved programs away from Marietta College who wish to transfer credit back to Marietta upon their return to campus.
2. Personal Leave: intended for students who wish to take time away from Marietta College to pursue primarily non-academic activities. Students on personal leave may work, participate in an internship, or simply take time off to think about their goals. This leave is intended for students who plan to return to campus within one semester, although the leave may be extended for a second semester.
3. Medical Leave: intended for students who need to take time away from Marietta College for health reasons.

#### II Types of Withdrawals

1. Withdrawal: intended for students who do not plan to return to Marietta College.
2. Transferring: for students who plan to seek a degree from another institution.
3. Involuntary Administrative Withdrawal: initiated by the Dean of Students for students who are suspended or are dismissed due to Creed violations or pose a direct threat to himself or herself.

## Applying for Leave or Withdrawal

To apply for a leave or withdrawal the student must obtain the form from the Dean of Students Office, have it signed by the appropriate person (s) and return the completed form to the Records Office.

**WHEN A STUDENT WANTS TO RETURN AFTER A LEAVE OF ABSENCE**

To return from Academic Leave, Personal Leave or Medical Leave students must contact the Records Office at (740) 376-4723 or by email at records@marietta.edu no later than 30 days prior to the first day of classes to complete a re-admission application

For a Medical Leave - The Dean of Students Office must receive a letter from the student's professional therapist, physician or both stating the student's medical situation and that he/she believes the student is able to live and work at Marietta College.

Students must be cleared by the following offices once the re-admission application is received: Dean of Students, Records Office, Financial Aid Office and Business Office.

**POLICY REGARDING GRADES IN THE EVENT OF A LEAVE OF ABSENCE OR WITHDRAWAL.**

1. A grade of "W" will be recorded for each course for which a student was registered if the student withdraws from the College starting the first day of the semester but before the end of the ninth week of the semester.
2. "WF" will be entered if the student is withdrawn for social misconduct.
3. A grade of "WF" will be recorded for each course for which a student was registered if the student withdraws from the College after the ninth week of a semester. Under certain circumstances, such as family catastrophe or substantiated medical problems, grades of "W" may be recorded after the ninth week at the discretion of the Provost.
4. FOR LEAVE OF ABSENCE ONLY: An Incomplete (I) may be given when the student has completed a percentage of the course but, for reasons beyond his or her control, has to take a leave of absence. See p. 121 for rules regarding the grades of incomplete.

NOTE: Official transcripts will not be released by the Records Office until ALL outstanding financial obligations have been met.

The usual rules for transferring credit to Marietta College for classes taken elsewhere while on leave will apply to any academic work done by the student while on academic leave, personal leave, medical leave, or while withdrawn from Marietta College.

All academic suspensions and dismissals take precedence over any personal leaves, academic leaves, medical leaves, or withdrawals. If a student is already on probation or is placed on probation while on leave, the conditions of his or her probation are continued to the semester in which he or she returns to the College.

**Academic Honors**

To recognize academic achievement in a semester, the College has established the following academic honors lists:

**Dean's List**

Any full-time student completing at least 15 credit hours with a grade point average of 3.500 to 3.749 in a given semester is recognized as a Dean's List student for that semester.

**Dean's High Honors List**

Any full-time student completing at least 15 credit hours with a grade point average of 3.750 or higher in a given semester is recognized as a Dean's High Honors List student for that semester.

**Degrees with Distinction**

The student who completes his or her course of study with a high record will be recommended for a degree with distinction. The degree with distinction is of three categories:

- Summa cum laude: a cumulative grade point average between 3.900 and 4.000
- Magna cum laude: a cumulative grade point average between 3.750 and 3.899
- Cum laude: a cumulative grade point average between 3.500 and 3.749

**Degrees with College Honors**

See under The Honors Program in Curricular Options and Enhancements section of the catalog.

**Degrees with Honors in a Discipline**

See under The Honors Program in Curricular Options and Enhancements section of the catalog.

**Class Valedictorian and Salutatorian**

The class valedictorian shall be the graduating senior with the highest grade point average who has completed a minimum of 64 hours in residence. Courses for which students were graded S/U may be counted toward this residence requirement.

The class salutatorian shall be the graduating senior with the second highest grade point average using the same criteria as for the valedictorian.

**Commencement**

Marietta College has one graduation ceremony held in May each year. There are two categories of students eligible to participate in the Commencement ceremony:

1. Students who have completed all of the requirements for graduation the previous August, the previous December, or by the date of Commencement. These students may participate in the academic procession in cap and gown and walk across the stage to receive their diplomas;
2. Students who have not completed all their requirements, but are within eight (8) semester credit hours of graduation, normally to be completed during the summer or fall immediately following commencement. These students may elect to participate in the ceremony, and be part of all rituals (march in cap and gown, be introduced by name, walk across the stage, shake hands with the dignitaries, receive a diploma case, etc.) except standing during the conferring of degrees, and exchange of the tassel. Students in this group whose grade point averages are 3.500 or greater, may not be recognized as honor students (summa cum laude, magna



cum laude, or cum laude). All graduation requirements must be completed to be recognized for honors.

Spring semester grades are due at the Records Office the Tuesday prior to Commencement. Students will be notified of any change in status on Friday by the Registrar. They will have an opportunity to check the final degree audit for accuracy.

Students receiving a certificate alone are not allowed to participate in the Commencement ceremony but their names do appear in the program.

Diplomas and transcripts will be withheld from any student whose financial obligations to the College have not been satisfied.

# Undergraduate Admission

Office of Admission (admit@marietta.edu)  
Director: Mr. Jason Turley (jason.turley@marietta.edu)

Marietta College offers degrees at the bachelor and masters levels as well as associate degrees and certificate programs. This section of the Catalog describes the process of applying for admission to the bachelor (undergraduate) degree programs.

Information on the application process for the masters degrees, associate degrees and certificate programs can be found in the Graduate Programs Catalog and the Continuing Education section of this catalog.

Applications for Marietta College bachelors degree programs are reviewed on a "rolling admission" basis. In most cases, the College will notify students of their admission status within a month of receiving all required application material.

## Campus visit and interview

The College encourages prospective students and their parents to visit the campus to appraise, first hand, the educational programs, opportunities and facilities. The Visit Coordinator will arrange personal campus tours lead by student guides, or arrange for students to sit in on classes and meet with the faculty. In addition, it is desirable that a member of the admission staff interview each prospective student and answer any questions regarding admission requirements or other aspects of the College. To arrange a campus visit, please write, e-mail or call one week in advance:

Office of Admission  
Marietta College  
215 Fifth Street  
Marietta, Ohio 45750-4005  
Telephone: (740) 376-4600, or (800) 331-7896  
E-mail: admit@marietta.edu

Office hours are Monday through Friday from 9:00 a.m. until 5:00 p.m., and Saturday from 9:00 a.m. to 12 noon.

## How to Apply

### Admission Requirements

Admission is selective and competitive, although each application receives individual consideration. Applicants must seek to satisfy the following criteria:

1. completion of a high-school diploma
2. have completed 16 academic units of secondary school work in a College Preparatory Program, including
  - a. four of English
  - b. two of foreign language
  - c. three of college preparatory mathematics
  - d. two of a laboratory science
  - e. two of social science
  - f. and other units approved by an accredited secondary school.

The College may make exceptions for applicants who show strong academic promise but who may not meet all of the academic units. Students living in states that require proficiency examinations for graduation must present evidence of passing such examinations.

### Application Procedure

Applicants must submit the following information to the Director of Admission  
Office of Admission  
Marietta College  
215 Fifth Street  
Marietta, Ohio 45750-4005

1. Application for Admission
2. Secondary school transcript
3. Secondary school report (guidance counselor)
4. Official report of either SAT or ACT scores
5. Essay
6. \$25 Application fee (non-refundable)

Other factors evaluated include letters of recommendation, teacher evaluations, life experiences, community service, and a personal interview.

### Admission of Home Schooled Students

The College welcomes students who have been home schooled, recognizing and valuing their home schooled educational background.

In order to evaluate a student's potential for college-level work, the Admissions Committee seeks evidence of learning and ability from non-conventional academic reports. Descriptive journals, portfolios of academic work, and curricular outlines are all helpful in the Admission evaluation. Letters of recommendation from teachers, employers or community people are requested. An essay is required and an interview with an admission counselor is recommended. Standardized test results are requested. While not a large part of the evaluation process, the scores for either the ACT or SAT are required.

Home schooled applicants must submit the following

1. Application for Admission
2. Record, Portfolio or Journal descriptions of academic work
3. Official report of either ACT or SAT
4. Two letters of recommendation
5. Essay (topics suggested in application)
6. \$25 application fee (non-refundable)

### Admission of International Students

Applicants who are citizens of other countries must file an *International Application for Admission* form, together with

1. Evidence of English language proficiency from an internationally recognized test. One of the following:
  - a. Test of English as a Foreign Language (TOEFL): 550 or better on the paper-based TOEFL or 213 or better on the computer-based TOEFL. To obtain information on

registering for a TOEFL exam, please call 609-771-7100 or visit the website, <http://www.toefl.org>. Marietta College's institutional TOEFL code is 1444.

- b. International Language Testing System (IELTS): Band 5.5 or higher.
- c. Cambridge Proficiency Examination (CPE): Grade C or higher; or Cambridge Advanced English (CAE): Grade B or higher; or First Certificate Exam (FCE): Grade A.

The College also considers for admission outstanding students whose scores are somewhat lower, provided that their proficiency is adequate for college work taken with English as a Second Language courses. In order to ensure proper placement in courses, the College will assess all international students' English language proficiency when they arrive. If necessary, students will be enrolled in an appropriate level of English as a Second Language (ESL) course.

2. **Verification of Ability to Pay:** International students must provide an official financial statement that indicates the applicant can pay all fees, including the cost for tuition, room, board, fees, books, and spending money for one full year (two semesters). The statement must be signed by a bank official, official sponsor, or both. Marietta College offers limited financial assistance to entering international students. After one semester or one year of academic residence, international students with academic distinction will be eligible for academic scholarships.
3. The College recognizes the *International Baccalaureate Diploma* Program for admission purposes and advanced placement. Students who have received the IB Diploma will be granted general college credit for up to two higher level IB courses in which they achieve grades of 5 or better. Decisions on placement and credit in departmental majors, minors, and certificates are made by the Registrar in consultation with the appropriate department chairs.
4. Non-refundable application fee of \$50.

### Admission of Transfer Students

Marietta College welcomes application for admission from students who wish to transfer after one or more successful academic terms at other accredited institutions of higher learning. All transfer applicants must file the Application for Transfer Admission along with official transcripts of all colleges attended, high school transcripts, and a completed Transfer Recommendation. Additionally, an essay is required along with a Clearance Form signed by the Dean at the college last attended. Prospective students should send all information to the Director of Admission.

Students wishing to transfer college credit should also consult the Undergraduate Programs of Instruction section that describes the degree requirements. This section describes graduation requirements and how transfer credits may apply to those requirements. Only courses completed with a grade of "C-" or better may be transferred. The Registrar determines the transfer credits in consultation with the academic departments.

### Admission with Associate of Arts or Associate of Science Degrees

Marietta College encourages application for admission from students completing their Associate of Arts or Associate of Science degree. Any graduate of a regionally accredited two-year college with an A.A. or an A.S. degree and a minimum cumulative grade point average of 2.30 (on a 4.00 scale) may be admitted with junior class standing. All credits used in satisfaction of the A.A. or A.S. degree requirements transfer to Marietta. Associate of Applied Science degrees are evaluated on a course-by-course basis. Most students with A.A. or A.S. degrees can obtain a Bachelor's degree from Marietta College in two years. In each case, of course, the ability to do so depends upon the number of courses taken at the two-year college that will meet:

1. Marietta's general requirements for graduation, and
2. the requirements for the major selected by the student.

### Admission of Nurses

Any registered nurse who has completed either a two- or three-year accredited nursing program, passed the examination for registry, and completed not fewer than three years of work experience in the nursing profession will be awarded 60 semester hours of credit toward any Bachelor's degree program.

### Admission of Veterans

Marietta College welcomes the application of veterans from the armed forces. It is the policy of the College to recognize the advantages of the training and maturing aspects of the armed forces in the admission process.

The College is an authorized institution for use of military benefits. A veteran applying for these benefits must furnish proof of eligibility (DD-214) to the College's Records Office for certification.

### Admission of Students with Disabilities

Marietta College does not discriminate against qualified individuals with disabilities in the recruitment and admission of students. Admission standards are applied equally to all applicants. The criteria used for the evaluation of applicants is outlined in the previous sections. Questions regarding the admission process may be sent to the Office of Admission. Students needing assistance with disability-related issues should contact the Academic Resource Center.

### Admission of Returning Students

All former students wishing to return to Marietta College must complete a Readmission Application Form obtainable from the Records Office. Those requesting readmission should send all transcripts of work taken elsewhere directly to the Records Office no later than 30 days before the Registration Day for the semester under consideration.

### Waiver of Application for Admission Fee

Marietta College will waive the admission application fee for documented cases of financial hardship. Students who do not have the resources to pay the application fee should request a letter from their high school guidance counselor or submit the College Board fee waiver request.

## Advanced Placement, CLEP and similar programs

Under certain circumstances, a student may offer for consideration credits earned through the College Entrance Examination Board (CEEB) Advanced Placement (AP) Program, the College-Level Examination Program (CLEP), the DANTES Subject Standardized Tests (DSST), and/or departmental credit by examination.

Credit earned through these specific programs may be used at Marietta College: 1) in satisfaction of elective credit; 2) in satisfaction of majors, minors, and certificates, subject to the approval of the department chairperson; 3) in satisfaction of the communication, and mathematics components of the general education requirements, *subject to departmental policy for each examination.*

### College Entrance Examination Board (CEEB) Advanced Placement (AP) Program

High school students who demonstrate achievement on Advanced Placement Program tests as administered by the College Entrance Examination Board may have the results submitted to Marietta College to be considered for credit. At the end of this section, a table shows for each subject the scores required for College credit to be received. Scores of 3 may be considered for waiver of prerequisites with departmental approval. With appropriate scores, students may receive up to 8 semester hours credit for each examination.

### College-Level Examination Program (CLEP)

Under certain circumstances a student may offer for consideration credits earned through the College-Level Examination Program (CLEP) of The College Board. Students will not be eligible to receive CLEP credit for courses when college credit has been awarded for the same course or more advanced courses in that same subject area. To receive credits for a CLEP examination, the student must provide a score report from CLEP and have obtained the minimum accepted score for that exam as determined by Marietta College departmental policies. The College will grant a total of up to 36 hours of credit by examination through CLEP/DANTES toward graduation. Information concerning CLEP minimum scores and examinations for which credit is awarded may be obtained from the Academic Resource Center (ARC).

### DANTES Subject Standardized Tests (DSST)

The College also accepts credit through DANTES Subject Standardized Tests (DSST). The College will grant a total of up to 36 hours of credit by examination through CLEP/DANTES toward graduation. Information concerning DANTES may be obtained at the Academic Resource Center (ARC).

## Life Experience Credit

Marietta College also offers the option of assessment of prior learning for life experience credit for Continuing Education students only. Refer to the Continuing Education section of the catalog for details.

## American Council on Education (Armed Services)

The College considers the recommendations of the American Council on Education when reviewing an application for admission. The recommendations are contained in the *Guide to the Evaluation of Educational Experiences in the Armed Services and the National Guide for Credit Recommendations for Noncollegiate Courses*. The recommendations are considered when assessing for possible award of credit successfully completed courses listed in these publications and which are equivalent to or similar to courses offered at Marietta College.

## Residential Requirement

Marietta College seeks to provide an environment in which a sense of community is an integral part of the education it offers. As a private, residential college, it requires all students to reside in College-owned or College-related housing for eight semesters, unless a student meets at least one of the following exceptions:

- Has resided in a College residence hall for at least eight (8) semesters prior to making the request.
- Has reached the age of twenty-three prior to the semester(s) for which the request is made.
- Is married.
- Is living with a parent or guardian within a sixty-mile radius of Marietta College.
- Has received permission from the Dean of Student Life for special circumstances.

Students who reserve rooms in College housing contract for the entire year. No one is permitted to move within, to, or from College housing except in special cases approved by the Director of Residence Life.

All residence halls are closed during all College vacation periods. When residence halls have been closed during a College vacation, they re-open at 9:00 a.m., one day preceding the resumption of classes, except where otherwise stated in the College Calendar. For graduating students, residence halls close at 9:00 p.m. on the day of Commencement.

All students residing on campus must participate in one of the College meal plans.

Advanced Placement Program: Credits Table

Subject	Minimum Score	Credit Awarded	Marietta Equivalent	Gen Ed Designation
American History	3+	6	HIST 101 & 102	P
ART-2D Design	3+	3	ART 201	R
ART 3D Design	3+	3	ART 202	
ART-Drawing	3+	3	ART 200	
Art History	4+	6	ARTH 161	R
Studio Art	3+	3	ART 100	R
Biology	4+	4	BIOL 101	C
Chemistry	3,4 5	4 6	CHEM 101 CHEM 131 (3) & CHEM 133 (1) & CHEM 100 (2)	B B
Computer Science				
Test A	3	3	CSCI 115	
Test AB	4+	6	CSCI 115 & 116	
Economics				
Microeconomics	4+	3	ECON 211	Y
Macroeconomics	4+	3	ECON 212	Y
English				
Comp. Lang.	4+	6	WRIT 101 & 200	
Comp. Lit.	4+	3	WRIT 101	
Environmental Science	3+	3	ENVR 210	C
European History	3+	6	HIST 100	
French – Language	3+	6	FREN 101 & 102	M and M
– Literature	3+	6	FREN 300	L
German - Language	3+	6	GERM 101 & 102	M and M
- Literature	3+	6	GERM 300	L
Geography	3+	3	HIST 220	P or M
Latin - Vergil	3+	3	LATN 100	
- Prose		3	LATN 100	
- Lyric		3	LATN 100	
Math - AB	3, 4 5	4 8	MATH 125 MATH 125 & 224	Q Q
Math - BC	3 4+	4 8	MATH 125 MATH 125 & 224	Q Q
Math Statistics	3, 4	3	MATH 123	Q
Music Theory	4+	6	MUSC 111 & 112	R and R
Physics - B	3 4+	4 8	PHYS 211 PHYS 211 & 212	B B
Physics - C Mech.	3 4+	4 4	PHYS 211 PHYS 221	B B
Physics - C E&M	3 4+	4 4	PHYS 212 PHYS 222	B B
Political Science - Comp.	3+	3	POLS 203	M
Political Science - U.S.	3+	3	POLS 103	K or Y
Psychology	3+	3	PSYC 101	Y
Spanish - Language	3+	6	SPAN 101 & 102	M and M
- Literature	3+	6	SPAN 300	L
World History	3+	6	HIST 120 & 121	P and M

(For purposes of awarding credit, the applicable scores are those in force at the date of a student's admission to the College.)

# Undergraduate Tuition, Fees, and Financial Aid

Office of Vice-President for Administration and Finance  
 Student Accounts Coordinator: Donna Born (e-mail: mcbill@marietta.edu)  
 Office of Student Financial Services  
 Director: Kevin D. Lamb (e-mail: finaид@marietta.edu)

Marietta College is an independent not-for-profit institution that relies on student fees, income from endowment, and gifts from alumni/ae and friends of the College to maintain its education programs. The table below shows fees, etc. for the College's undergraduate programs. See the Graduate Programs Catalog and Continuing Education section of this Catalog for fees appertaining to those programs.

## Table of Fees, 2009-2010 (Undergraduate)

### Tuition, Room, Board and Fees

For College Year, August 2009-May 2010

Tuition (Bachelors degrees)	\$26,386	
Room (average double)	4,400	(note 1)
Board	3,646	
Student fee	576	
Health fee	104	(note 2)
Total for year	\$35,112	

### Special tuition fees

Per hour in excess of 18 hours	\$735	(note 3)
Per hour for less than 12 hours	875	
Private music lessons:		
One half hour per week	135	
One hour per week	270	
Student teaching	185	
Life activity courses:		
Golf	45	
Bowling, per semester	50	
Auditing per hour	200	
Off-campus study fee	165	

### Other fees

Application for admission fee	\$25	
Returned Check fee	35	
Late payment fee	150	(note 4)
Pre-registration deposit	200	(note 5)
Admission deposit	200	(note 6)
New student orientation fee	270	
Student insurance (optional)	180	
International student insurance	1,020	(est.)

*Note 1. Room rate* applies to average double occupancy in all residence halls except Fayerweather and McCoy Halls and the Glendale Apartments. Single room rate is 50% above regular room charge.

Semester rates for Fayerweather and McCoy Hall are:

Single	\$3,600
Single with private or semi-private bath	3,760
Double-McCoy	2,625
Suite	2,755
Apartment	3,025
Glendale Apartment Rates:	
Charge per semester (requires a 9 month contract)	\$2,463
Charge per month (requires a 12 month contract)	500
Summer Housing is available at the weekly rates listed below:	
Single	\$125
Double	85

Damage deposit. All students living in College housing pay a damage deposit of \$200 when they enter Marietta College for the first time or re-enter following a break in matriculation. The College refunds the residence hall deposit, less any charges for damage, following graduation or formal withdrawal.

*Note 2. The Health Fee* will cover service at the Broughton Health Center, located across 7th Street from the residence halls.

*Note 3. The Per-Hour Fee* will not apply to the 19th hour for students majoring in petroleum engineering and leadership if required courses in those programs cause the student to be enrolled in 19 hours in a semester. For example, the first semester in the petroleum engineering program requires that students enroll for 19 credit hours.

*Note 4. Late payment fee.* Payment of charges is due three weeks before the first day of class. Students making payments after the due date are subject to a late payment fee of \$150.

*Note 5. Pre-registration deposit.* Students must pay a pre-registration deposit when pre-registering for Fall semester classes. The deposit is credited against the Fall semester charges. The deposit is refundable through June 30th, provided the student informs the Records Office in writing that he or she will withdraw or take a leave of absence from the College.

*Note 6. Admission deposit.* Payment of the deposit by first-time students should be made to the Office of Admission. Payment of the acceptance deposit indicates the student's intent to enroll at Marietta College. The deposit will be credited toward the first semester's tuition charge.

## Billing Procedure

Students receive bills approximately 30 days before the beginning of each semester. Payment of charges is due three weeks before the first day of class. Students making payments after the due date are subject to a late payment fee of \$150. The College may bill students for additional charges such as music fees or hours in excess of 18. The fees do not include the cost of books, clothing, and incidentals.

The College will not issue transcripts or confer the student's degree

until the student satisfies all financial obligations to the College. The College will withhold permission to register and semester grades for any student with financial obligations to the College.

The Cashier's Office accepts cash and check payments on student accounts. Credit card and electronic check payments can only be made online via the eBill system. Please see the Student Accounts Web site for links to this system.

Check payments can be mailed to:

Business Office  
Marietta College  
215 Fifth Street  
Marietta, Ohio 45750-4011

## Payment Plan

Many students prefer to obtain private financial assistance to pay for tuition. The College cooperates fully with all banks and other financial institutions engaged in student financing.

Students may arrange an alternative payment plan with Tuition Management Systems. The Monthly Payment Option allows families to spread tuition and fee payments over 10 months, July through April, with no interest charges, except on past due payments. The total cost for this program is \$60 per year, which includes life insurance protecting the annual budgeted amount.

For further information on this plan contact:

Tuition Management Systems  
1-800-722-4867

## Refunds Following Withdrawal

The College may provide a partial refund only when the student receives written consent from the Dean of Student Life to withdraw or take a leave of absence or when the Dean of Student Life dismisses the student. The effective date of withdrawal, leave of absence, or dismissal must be during the first five weeks of classes for the semester to receive any partial refund.

The date of withdrawal, leave of absence, or dismissal determines the proportion of tuition and student fee refunded: During the first week of the semester, 90 percent; second week, 80 percent; third week, 70 percent; fourth week, 60 percent; fifth week, 50 percent. The College will offer no refund after the fifth week of classes unless the withdrawal is for medical purposes and the student is enrolled in the Tuition Refund Insurance plan.

Students who drop from full-time to part-time (i.e., less than 12 hours) within the first two weeks of classes will be charged the per-hour tuition rate, and financial aid awards will be adjusted to reflect the change in status. No adjustments will be made to a student's account after the first two weeks of classes due to a drop from full-time to part-time. Overload fees will not be pro-rated, nor refunded for courses dropped after the first two weeks of classes. No portion of the housing charge is refundable. The College prorates board charges according to the period that the student used the dining service.

## Payments to Federal and State Financial Assistance Programs

Special rules govern repayments to government financial aid programs when a student withdraws before the end of the term. Please refer to the Withdrawal, Refunds, and Financial Aid section, later in this section of the Catalog.

## Insurance

### Tuition Refund Insurance

The College encourages all students to purchase Tuition Refund Insurance. If a student is unable to complete the semester because of medical reasons, the insurance allows the student to withdraw at any time from Marietta College and receive a 75 percent refund of tuition, room and board. A qualified physician must certify the disability. Without this insurance, a student could lose a significant investment in tuition and fees.

Participation in the Tuition Refund Plan is optional. Those who wish to participate must do so before the first day of fall classes. Students will receive information about this insurance program through the mail during the summer.

### Health and Accident Insurance

All students must be covered by health and accident insurance. The College offers student health and accident insurance. Information regarding this option is mailed to each student along with their fall semester statement. Insurance offered through the College can be waived if details regarding current health coverage are provided and an on-line waiver is completed by the required due date. No waivers will be accepted after the due date. For more information contact the Student Accounts office.

### International Student Insurance

Participation in the insurance plan is required of all international students unless the student can show to the satisfaction of the Office of the Vice President for Administration and Finance that s/he is covered by a plan in their home country which provides equal or near equal coverage. The plan requires a copay and provides benefits for physician office and hospital visits, testing, treatment, and medicine associated with an injury/illness. The plan does not cover pre-existing conditions, dental, or eye care costs. For more information on the insurance plan, students should contact the International Student Coordinator.

### Personal Property Insurance

The College does not provide insurance coverage or reimbursements for loss of students' personal property at the College or while on trips. The College encourages families to review their homeowner's or renter's policies to determine if their personal property is covered while at Marietta College. Many insurance providers offer a rider to the primary policy to insure personal property away from home.

## Transcripts

Two types of transcripts are available.

- Unofficial transcripts, for the student's use, do not bear the seal of the College. They may be sent directly to the student and are free of charge.
- Official transcripts are sent directly to schools and other institutions of higher education, prospective employers, etc. as designated by the student. Official transcripts may also be sent directly to students in sealed envelopes. Fees apply as shown below.

Transcripts are available from the Records Office upon the written and signed request of the student. Persons requesting transcript services must pay the appropriate fees at the time of the request as outlined below. Transcript services will not be provided for students/alumni who have outstanding debts to the College.

Unofficial transcripts (i.e. do not bear Seal of the College) free of charge

Official transcripts (i.e. bear Seal of the College)

Transcript production: \$5.00 per transcript

Priority Service: (Transcript is available to requestor on the next business day, or delivery is initiated on the next business day) \$3 surcharge for each transcript in addition to the \$5.00 fee listed above (total \$8.00 per transcript)

Transcript delivery:

U.S. Mail 1st class - no additional charge

Overnight USA Delivery \$20.00

Second Day USA Delivery \$15.00

International Delivery - determined on a case-by-case basis.

3. Part-time employment, for which the student is paid and is expected to budget as part of the means of meeting educational expenses.

## 1. Grants and scholarships

### a. Government Programs

The **Federal Pell Grant** is the result of the Higher Education Amendments of 1972. This grant represents the foundation, or base program, of all federal financial aid for undergraduate students, and is combined with other aid resources to meet need. The Pell Grant was created to assist lower income families.

The **Federal Supplemental Educational Opportunity Grant (FSEOG)** is a need-based grant program developed to assist low income families. Grants consist of a combination of federal and College funds.

The **Academic Competitiveness Grant (ACG)** is awarded to first or second year students who are enrolled full time, are US citizens, receive a Pell Grant and have completed a rigorous secondary school curriculum as defined in federal regulations. Marietta College is required to certify the rigorous curriculum upon enrollment. A student must have at least a 3.0 cumulative grade point average to renew the grant for the second year.

The **National Science and Mathematics Access to Retain Talent Grant (SMART)** is awarded to third and fourth year students majoring in specific eligible programs in mathematics or science (listing available at: <http://www.ifap.ed.gov/dpcletters/attachments/GENO615Attach1.pdf>). Additional eligibility requirements include full time enrollment, being a US citizen and Pell Grant recipient, and earning a cumulative grade point average of at least 3.0 on a 4.0 scale for every semester of eligibility.

The **Teacher Education Assistance for College and Higher Education (TEACH) Grant** program provides grants of up to \$4,000 per year to students who intend to reach in a high need subject areas in a public or private elementary or secondary school that serves students from low-income families. This grant reverts to an Unsubsidized Stafford loan if the student does not complete the teaching requirement within 8 years of graduation/program completion.

The **Ohio College Opportunity Grant (OCOG)** is a state program providing grants to eligible Ohio residents enrolled as undergraduate students. To be eligible, the student must be a Pell grant recipient with exceptional need. A new parallel program for private Ohio higher education institutions will likely begin in July of 2009 pending final approval by the Governor of Ohio and the state Legislature.

### b. Marietta College Programs

A student must be enrolled full time in a Bachelor's degree program to be eligible for Marietta College scholarships and grants.

The scholarships listed below are awarded to first-time freshmen.

**Pioneer Scholars** are a select cadre of students who rank among the best college bound seniors in the nation based on their strong high school academic records and test scores. Pioneer scholars are guaranteed a \$8,000 Dean's Scholarship along with the opportunity to compete for higher monetary scholarships through the Pioneer Scholars Competition. Higher levels of scholarship are determined by

## Financial Aid and Standards of Satisfactory Academic Progress

The Marietta College financial aid programs make a Marietta education accessible to those who, for financial reasons, might otherwise be unable to attend. Whereas the family has the responsibility to meet college costs to the extent it is able, Marietta College tries to build a partnership with each family that will bridge the gap between the family's contribution and College costs.

### Financial Aid

#### Sources of Assistance

There are three principal types of aid that are potentially available to college students:

1. Grant or scholarship, which the student does not have to repay;
2. Loan, which the student usually must repay with interest, after leaving college; and

a student's academic achievements, extracurricular accomplishments, demonstrated leadership and scholarship competition evaluation. The competition includes an essay and an academic exchange with faculty.

The recipient of the **McCoy Scholarship** will receive an award equal to tuition, room and board at Marietta College for four years. *This award supersedes all other college funded awards.*

Recipients of the **Trustees' Scholarship** will receive an award equal to full tuition at Marietta College for four years. *This award supersedes all other non-need based college funded awards.* Up to 10 scholarships will be awarded each year.

Recipients of the **President's Scholarship** will receive an award equal to half tuition at Marietta College for four years. Up to 20 scholarships will be awarded each year.

Recipients of the **Dean's Scholarship** will receive annual scholarships between \$8,000 and \$11,000 for four years. The amount is based on academic ability and the results of the scholarship competition.

To renew their awards, all scholarship recipients are required to maintain a minimum GPA of 3.0 annually, be in good standing in the community and make standard academic progress while studying at Marietta College. All scholarships through the Pioneer Scholars program can only be used to defray direct costs of full time enrollment at Marietta College. President's and Dean's Scholars are also eligible for consideration of additional non-need based Marietta College award.

To be considered for these scholarships, a prospective student must complete all admission application information by December 15, prior to his or her freshman year of college.

Renewal policies for recipients of these scholarships who enrolled at Marietta College prior to the fall semester of 2007 are printed in the college catalog from the time of the student's matriculation at Marietta College.

Students interested in physics can apply separately for consideration as a **Rickey Scholar**. This scholarship provides up to 5 awards of \$18,000 per year and requires students to be physics majors and maintain a 3.25 GPA. This award supersedes all other merit based college funded awards.

The **Beverly Enzie Elis Alumni Scholarship** recognizes up to three alumni legacy students in each class. One full tuition and two half tuition awards are made and supersede the Legacy Grant and other Marietta College merit based awards.

Students qualifying for need-based assistance will receive a Financial Aid Award incorporating the amount of the scholarship.

**Talent Scholarships in the Fine Arts** are awarded to first-time freshmen on the basis of the student's performance in a College-sponsored competition. When awarding the scholarships, the faculty use many criteria including previous fine arts experience and education, letters of reference, an audition, and a portfolio.

In order to compete, students must be admitted to the College and must complete a reservation card available through the Office of Admission. Scholarships valued at \$1,500 and \$3,500 per year are awarded annually.

To renew the Talent Scholarship, students must maintain continuous full-time enrollment at Marietta, make satisfactory progress

toward a degree, participate in their area of talent while attending Marietta College and must be recommended for renewal by the Talent Scholarship Committee. Recipients of Talent Scholarships eligible for need-based assistance will receive a Financial Aid Award incorporating the amount of the scholarship.

The **Charles Sumner Harrison Scholarship** is awarded to minority students who demonstrate outstanding academic promise. Selection is based on high school records and curriculum, scores on national examinations and potential leadership for Marietta. The award is for \$5,000 and is renewable provided the scholar maintains satisfactory academic progress.

The awards listed below are awarded to students who transfer to Marietta College and who meet the specific criteria for each award. Consideration is automatic and requires no additional application.

The **Transfer Scholarship** is awarded to transfer students who have achieved at least a 3.25 cumulative grade point average in academic subjects in at least 30 hours of academic course work. The award is for \$3,500 and is renewable for up to three years, provided the student maintains a 3.00 cumulative grade point average.

The **Phi Theta Kappa Award** is awarded to students who were inducted into the Phi Theta Kappa academic honor society and subsequently transfer to Marietta College. Those honored are automatically eligible for a \$5,000 scholarship for up to three years. To renew the award, students must maintain continuous full-time enrollment with a minimum 3.00 cumulative grade point average. Winners of this award are not eligible for the Transfer Scholarship.

The grants and scholarships listed below are awarded to both incoming and transfer students.

The **Economic Roundtable Sponsor Scholarship** provides an award of \$1,000 annually for up to four years of study at Marietta College. To be eligible for this award, the student must be nominated by a sponsor of the Economic Roundtable of the Ohio Valley, and admissible by the criteria established by the Office of Admission of Marietta College. The scholarship may be renewed if the student is in good standing and is making satisfactory progress toward a degree.

The **Legacy Grant** is awarded to children and grandchildren of Marietta College graduates. The award is for \$3,500 and is renewable for up to four years of study provided the recipient remains in good academic standing and is making satisfactory progress toward a degree. Transfer students are eligible for the Legacy Grant, though previous college work will be counted in determining years of renewal. Awardees of the Beverly Enzie Ellis Alumni Scholarship may not be simultaneously awarded the Legacy Grant.

Marietta College will guarantee \$5,000 of institutional assistance to students from particular geographic areas whose ties are especially significant to Marietta. These areas include the Gateway region (Washington, Athens, Morgan, Noble, Monroe, Guernsey, and Meigs counties in Ohio and Pleasants and Wood counties in WV) and our Heritage ties to the six New England states.

Students are eligible for up to two non-need-based Marietta College awards which may not exceed the cost of tuition.

**Marietta College Grants** consist of College funds awarded on the basis of need to students enrolled full time at the College. Determination

of need is made using information provided the Office of Student Financial Services through the Free Application for Federal Student Aid (FAFSA). Students will receive funds in subsequent academic years if they continue to demonstrate financial need, maintain satisfactory academic progress, and demonstrate good citizenship.

**Endowed and Gift Scholarships** are awarded to students on the basis of financial need and restrictions set at the establishment of the fund. A listing of these endowed and gift scholarships appears in the Endowment Resources section of this Catalog. Generally, Endowed and Gift Scholarships are awarded to Marietta College students of at least sophomore standing.

## 2. Loans

### a. Government Programs

The **Federal Perkins Loan** provides need-based loans to students. Each loan consists of a combination of federal and College funds. No interest is charged or repayment of principal required until nine months after the recipient ceases to be enrolled at least half-time as an undergraduate or graduate student. No interest or payment is required while in military service, the Peace Corps, or VISTA, for up to three years. Thereafter, five percent simple interest is charged and regular monthly payments of not less than \$40 are required.

The law provides for cancellation of the loan under certain conditions for those who teach, are in active military service, or serve as law enforcement officers, and provides for deferments in certain circumstances.

**Federal Stafford Loans** are available to students through Marietta College's Direct Loan Program. An origination fee and guarantee premium are charged by the lender at the time each loan is made. Repayment of Stafford Loans begins six months after the student ceases to be enrolled at least half-time. Thereafter, simple interest is charged and regular monthly payments of not less than \$50 are required.

Federal Stafford Loans are available in both subsidized and unsubsidized versions. Interest subsidies by the government are limited to loans used to meet need as demonstrated through the federal methodology. Unsubsidized loan funds are available to students without need, but require the student to pay interest charged while enrolled and during the six-month grace period.

### b. Marietta College Programs

**PPG Industries Foundation Loans** were established in 1982 to provide low interest loans to needy and worthy students.

**N. G. Franklin White Loan Fund** provides loans to students meeting certain conditions. First preference is given to applicants from Morgan County in Ohio, then to applicants from adjacent counties. Students who plan to teach receive some preference. Need and worthiness are prerequisites in all cases. Interested students should consult with the Office of Student Financial Services. The loan was established in 1970 from the estate of the late Dr. White, a noted entomologist and native of Morgan County.

**The Charles E. Schell Loan Fund** was established as a result of gifts provided by the Charles E. Schell Foundation. Loans are available to students from Ohio, Kentucky, West Virginia, or adjoining states, who

display unmistakable loyalty to the United States and its institutions. Recipients must be citizens of, and born in, the United States.

**The Educational Foundation of The Ohio Society of Certified Public Accountants** funded a short-term loan fund in 1989. Loans up to \$300, interest-free if repaid by the end of the semester, are available to students enrolled in classes within the Department of Business & Economics. Application should be made to the department secretary.

## 3. Student employment

**The Federal Work-Study Program (FWSP)** provides work opportunities to students demonstrating financial need. There are employment opportunities on campus and in local non-profit, community service agencies.

**The Student Employment Office**, in cooperation with the Office of Student Financial Services, provides students with referrals to part-time jobs on the basis of individual needs, abilities, and time available for work.

### Application Process

To apply for assistance through the federal financial aid programs, students must submit to the federal processor the Free Application for Federal Student Aid (FAFSA). In many states, including Ohio and Pennsylvania, this form also serves as the vehicle through which students apply for state assistance. The FAFSA is generally available in January online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or from the Marietta College Office of Student Financial Services.

To be considered for assistance, students must be citizens of the United States or Canada, and must be formally admitted to one of the College's degree programs.

### Renewal of Aid

Eligibility for need-based assistance is determined, in part, by the results of an analysis of information provided the College through the Free Application for Federal Student Aid (FAFSA) or Renewal Free Application for Federal Student Aid (RFAFSA). Additional factors include satisfactory academic progress and good citizenship.

Level of and eligibility for assistance can vary from year to year as a result of factors such as changes in family circumstances, availability of aid resources, and revisions in federal and state laws and regulations.

To receive federal assistance, a student may not be in default on a National Defense/Direct Student Loan (NDSL), Perkins Loan, Guaranteed Student Loan (GSL), Stafford Loan, Supplemental Loan for Students (SLS), Parent Loan for Undergraduate Students (PLUS), or any other federal loan program. Additionally, a student must not owe a refund on a Pell Grant, a Supplemental Educational Opportunity Grant (SEOG), a State Student Incentive Grant (SSIG), or any other Title IV Program at any college, university, or post-secondary institution. Each male student must also document compliance with Selective Service Administration regulations.

## Standards of Satisfactory Academic Progress

Federal and state regulations, and Marietta College policy, require students to make satisfactory progress toward completion of their degree in order to maintain eligibility for financial assistance. Progress will include a measurement of all course work attempted at Marietta College. Evidence of progress includes grades, work projects, and/or other factors that are measurable against a norm. The College assesses the student's academic progress at least once each year.

1. Satisfactory academic progress is a condition for receipt of all financial aid resources administered by the College. Awards to students subsequently determined to have not met the financial aid standards or who have been dismissed will be withdrawn. Questions about the financial aid standards of satisfactory academic progress may be addressed to the Office of Student Financial Services.
2. The financial aid standards of satisfactory academic progress apply to federal, Ohio, and Marietta College resources. Different standards might be required for funds provided by other state and private agencies and, where applicable, will be governed by those standards.
3. Satisfactory academic progress is reviewed at the completion of each semester, with decisions on eligibility for continued assistance made at the completion of each academic year. Academic year is defined as two semesters of enrollment. A completed academic year would have occurred when hours were attempted in any two semesters. A student may have earned hours in the fall and not attend again until the fall of the next year. An academic year in this case would have occurred at the end of the second fall semester.
4. Students will be offered only one opportunity to appeal a loss of financial aid. Appeals by those denied aid because of failure to meet these standards should be directed to the Associate Director of Student Financial Services for consideration by the Financial Aid Committee on Academic Progress. Members of the committee include the Director and Associate Director of Student Financial Services, and a member of the Student Life staff. The Associate Director of Student Financial Services convenes the committee.

Marietta's financial aid standards of satisfactory academic progress required for retention of eligibility for financial aid involve qualitative and quantitative measures. The qualitative measure examines the quality of the student's academic performance as measured by grade point average. The quantitative measure examines the student's progress towards completion of the number of credit hours required to receive a degree.

Note that the financial aid standards are not the same as those applied by the Academic Standing Committee to determine whether a student is in good academic standing. The financial aid standards are minimum requirements a student must meet to retain financial aid eligibility, provided the Academic Standing Committee and Provost determine that the student is academically eligible to enroll at the institution. A student may be ineligible to receive aid through failure to meet the financial aid standards, or may have met the financial aid standards but be ineligible to enroll at the College.

## Qualitative Measure

The qualitative measure of academic progress consists of two parts. The first measures the cumulative GPA required for credit hours earned; the second measures the cumulative GPA required after two academic years. Students must have achieved the stipulated cumulative grade point average for the credit hours specified.

The measure of the qualitative component of satisfactory academic progress is graduated, taking into account varying levels of enrollment.

Credit Hours Earned	Required Cumulative GPA
0 to 24 hrs	1.6
25 to 58 hrs	1.8
59 hrs and higher	2.0

In addition, a student must have achieved a 2.0 GPA at the end of two academic years regardless of how many hours enrolled for each semester.

## Quantitative Measure

The quantitative measure of academic progress also consists of two parts. The total hours attempted may be no greater than 150% of total hours required for the degree program in which the student is enrolled. When progress is checked, a student must earn at least 67% of the credit hours attempted. Below is the maximum attempted hours that will be allowed for any particular degree program:

Degree	Credit Hours Required for Degree	Hours Attempted
Associate of Arts	60	90
Bachelor of Arts	120	180
B.A. Public Accounting	150	225
Bachelor of Fine Arts	120	180
Bachelor of Science	120	180
B.S. in Athletic Training	130	195
B.S. in Petroleum Engineering	136	204

A student will be granted an allowance for one change of major or second degree. A student who changes his or her major will be allowed a maximum number of attempted credit hours equal to the credit hours attempted at the point of making the major change or starting the second degree plus the maximum allowable attempted hours for the new major. When progress is checked, a student must still earn at least 67% of the total credit hours attempted.

For a student pursuing a double major, the maximum credit hours attempted will be 150% of the total of the general education requirements plus the courses required for the two majors.

### **Incompletes, Course Repetitions, Withdrawals, and Non-credit Remedial Courses**

In each of the above situations, courses will count towards the credit hours attempted when measuring both the quantitative and qualitative component of academic progress.

If a student has lost eligibility for financial aid because of failure to make satisfactory academic progress, all incompletes must be resolved prior to determining renewed eligibility for aid.

### **Fresh Start**

Students readmitted to Marietta College under the Fresh Start program will automatically be granted a probationary semester of financial aid. Students making satisfactory academic progress during that probationary semester will continue to have eligibility for financial aid as long as they continue to meet qualitative and quantitative requirements on a cumulative basis from the point of readmission. However, they are eligible to receive financial aid for no more than 150% of the total hours required for the degree program in which the student is enrolled including hours attempted prior to entering the Fresh Start program. Students who fail to make satisfactory progress in their probationary semester or any semester thereafter will lose aid eligibility and be treated as any other student who has already had a probationary semester of financial and their entire Marietta College record will be considered in determining when aid can be reinstated.

### **Transfer Students**

To determine the satisfactory progress of a student transferring to Marietta, evaluation of the quantitative and qualitative measures for the terms completed will be based on the point of the student's entry into the College. For example, a student transferring into the College with 30 credit hours of prior course work will be measured against the standards for those who have completed 30 credit hours at the College.

### **Specific Appeal Procedures**

A student who has been denied financial aid because of failure to maintain satisfactory academic progress may make a one-time appeal to the Financial Aid Committee on Academic Progress. The appeal must be in writing, either in the form of a letter, a fax or e-mail. It should be sent to the Associate Director of Student Financial Services and must be received by the date directed in the letter the student will receive notifying of loss of financial aid. The appeal letter should show that the student recognizes the cause of prior academic difficulties and has identified remedies that will ensure future academic success. Each appeal will be considered on an individual basis. Special attention will be given to students deemed to be educationally disadvantaged under "special circumstances". When the Committee has made its decision, the student will be notified in writing. If the appeal is granted, the student will be on probation for one semester and must complete the requirements stated in the response letter to continue receiving aid past the probationary semester.

A student may choose not to immediately appeal the withdrawal of aid and instead decide to withdraw from school for a semester. At the end of that semester, the student may make an appeal to the Financial

Aid Committee on Academic Progress for reinstatement of aid for the subsequent semester. The appeal must be in writing, either in the form of a letter, a fax or e-mail. It should be sent to the Associate Director of Student Financial Services and must be received no earlier than the midpoint of the semester the student has withdrawn and no later than one month prior to the beginning of the semester in which he or she wishes to return. The letter should state what the student has done to prepare him or herself to succeed if aid is reinstated. When the Committee has made its decision, the student will be notified in writing. If the appeal is granted, the student will be on probation for one semester and must complete the requirements stated in the response letter to continue receiving aid past the probationary semester.

Students who have lost financial aid and have been denied an appeal may choose to continue taking classes at Marietta College while funding their education from non-financial aid resources. (It is important to note that the only way to raise the Marietta College GPA is to take classes at Marietta College. Credits transfer from other schools but grades taken at other schools do not affect the Marietta College GPA.) If, after one semester, a student thinks he or she is making significant progress towards meeting the satisfactory academic progress requirements but has not achieved the standard that would automatically qualify for reinstatement of financial aid, he or she may make a one time appeal to the Financial Aid Committee on Academic Progress for reinstatement of aid for the subsequent semester. The appeal must be in writing, either in the form of a letter, a fax or e-mail. It should be sent to the Associate Director of Student Financial Services and must be received no later than one month prior to the beginning of the semester in which they wish to have their aid reinstated. When the Committee has made its decision, the Associate Director will notify the student in writing. If the appeal is granted, the student will be on probation for one semester and must complete the requirements stated in the response letter to continue receiving aid past the probationary semester.

If a student is granted a probationary semester and withdraws from the college after the first two weeks of that semester, that semester will be considered the probationary semester and the grade point average recorded at the end of the semester will be the official grade point average for consideration of continuation of financial aid.

In all cases, if an appeal has been granted and the student does not complete the requirements set by the Committee, financial aid will be lost until the qualitative and quantitative standards for their enrollment status have been met.

However, at the discretion and initiative of the Director of Student Financial Services, one additional probationary semester may be granted under two situations. One additional probationary semester may be granted if the student does not meet the required semester GPA but does earn a GPA which is 2.0 or above. However, at the end of this additional probationary semester, the student must have earned a 2.0 cumulative GPA or their financial aid eligibility will be revoked until they have met the qualitative and quantitative standards for their enrollment status. The other situation is when, having been granted a probationary semester based on an appeal, a student brings their cumulative GPA to a 2.0 or above and then later loses financial aid eligibility because of subsequent failure to maintain satisfactory academic standards. Normally, the student would be ineligible for financial aid until the cumulative GPA returned to at least 2.0. However, if after

losing eligibility for a second time, the student earns a semester GPA that is exceptional, the Director of Student Financial Services may elect to grant the student one additional probationary semester. However, at the end of this additional probationary semester, the student must have earned a cumulative GPA of 2.0 or their financial aid eligibility will be revoked until they have met the qualitative and quantitative standards for their enrollment status.

Any time the student meets the qualitative and quantitative standards for their enrollment status, financial aid eligibility is automatically reinstated.

### Withdrawal, Refunds, and Your Financial Aid

A student who withdraws from the College during a semester might be eligible for a partial refund. The refund is determined according to the policy outlined earlier in this Catalog.

If the College grants a refund, some of the financial aid might be returned to the provider. It is possible to lose all of the financial aid offered for that semester. If the financial aid package includes federal financial aid, the College will follow the federal refund policy for federal funds. The Marietta College refund policy will be followed for all non-federal funds. The student may be responsible to repay to the aid provider the difference between what has been earned in financial aid (based on length of enrollment in the semester of withdrawal) and what the school has returned to the provider. According to federal regulation, the amount of federal aid earned is equal to the percentage of the payment term completed. If the day of withdrawal occurs on or before 60% of the semester is completed, the percentage earned equals the percentage of the semester completed. If the withdrawal date is after the 60% point, the student has earned 100% of federal money. If the reduction in charges exceeds the amount of financial aid to be returned to the

financial aid programs and there is no resulting unpaid balance on your student account, the excess funds will be returned to the student.

Refunds to the following financial aid program accounts will be calculated according to published federal and state regulations. Repayments are credited to accounts in the following order:

1. Unsubsidized Stafford loans,
2. Subsidized Stafford loans,
3. Unsubsidized Direct loans,
4. Subsidized Direct loans,
5. Federal Perkins loans,
6. Federal PLUS loans,
7. Pell Grants,
8. ACG and SMART Grants
9. Supplemental Educational Opportunity Grants,
10. Other Federal Title IV aid (excluding work-study), and
11. Other programs as required by the program.

A sample calculation may be obtained by contacting the Office of Student Financial Services.

#### State Grant Refund

The percentage of Ohio's state grants and scholarships that the student is entitled to retain toward payment of tuition charges is the same as the percentage of the adjusted tuition charged to the student. The remainder is refunded to the state. Refunds to programs of other states will be made in accordance with the regulations of those programs.

#### Marietta College Refund

The amount refunded to Marietta College's financial aid funds is the same as the percentage of the reduction in tuition, room and board.

# Graduate Programs

Office of Graduate and Continuing Studies, Director: Ms. Cathy J. Brown  
(ce@marietta.edu)

Marietta College, through the Office of Graduate and Continuing Studies, offers programs leading to three master's degrees:

- Master of Arts in Psychology (M.A.P.),
- Master of International Corporate Media (M.I.C.M.),
- Master of Science in Physician Assistant Studies (M.S.P.A.S.)

Information on the Graduate Programs can be obtained either from the separate Graduate Programs Catalog or the Office of Graduate and Continuing Studies.

# Continuing Education Program

Office of Graduate and Continuing Studies, Director: Ms. Cathy J. Brown  
(ce@marietta.edu)

The College believes that education should be a life-long venture and so for over half a century, Marietta College has provided a Continuing Education Program to area citizens. The Office of Graduate and Continuing Studies makes available a variety of programs at the certificate, associate degree, bachelor degree and master degree level. Information on the three master degrees offered are described in the Graduate Programs Catalog.

Undergraduate courses are open to Continuing Education students of 24 years of age or more, attending part-time, and who possess at least a high school diploma or equivalent.

## Bachelor Degrees

Students may complete the requirements for any of the majors or minors offered by the College by attending day and evening classes. In addition, Continuing Education students may pursue a General Studies major described below. The graduation requirements for a bachelor degree awarded through the Continuing Education Program are the same as those listed elsewhere in the Graduation Requirements section of the Catalog.

The General Studies major is open only to Continuing Education students. The requirements for this major are twenty four (24) credit hours in one department (for this purpose, accounting, economics, and management are considered one department), and twenty four (24) credit hours drawn from two departments. The second set of 24 hours must have at least nine hours from each department.

## Associate Degrees

The associate degree option is open only to Continuing Education students. The degrees available are the Associate of Arts Degree in Business Administration and the Associate of Arts Degree in Liberal Arts. Both degrees require 61 credit hours of course work. All courses taken for the associate degrees may be applied to a bachelor degree at

the College. At least 15 of the credits for either of the degrees must be taken at Marietta College and 15 of the last 18 credit hours must be completed at Marietta College.

### The course requirements for both associate degrees are:

#### Associate of Arts Degree in Business Administration

**General Requirements** 16 Hours

WRIT 101 COMM 101 Fine Arts  
Humanities Laboratory Science

**Required concentration courses** 12 Hours

ECON 211 ECON 212 ACCT 201  
CSCI 105

**Electives in Economics, Management, and Accounting** 18 Hours

Course 1 Course 2 Course 3  
Course 4 Course 5 Course 6

**General Electives: Any department** 15 Hours

Course 1 Course 2 Course 3  
Course 4 Course 5

**Total Hours Required** 61 Hours

#### Associate of Arts Degree in Liberal Arts

**General Requirements** 19 Hours

WRIT 101 COMM 101 Fine Arts  
Humanities Social Science  
Laboratory Science

**Area of concentration\*** 24 Hours

**First area** 12 Hours

Course 1 Course 2 Course 3 Course 4

**Second area** 6 Hours

Course 1 Course 2

**Third area** 6 Hours

Course 1 Course 2

**General Electives: Any department** 18 Hours

Course 1 Course 2 Course 3  
Course 4 Course 5 Course 6

**Total Hours Required****61 Hours**

\* Areas of concentration refer to areas of study within a department, e.g. psychology, accounting, or history. The student will select three separate areas of study.

**Certificate Programs**

The College offers a number of certificate programs:

- Certificate in Leadership Studies
- Certificate in Teaching English as a Foreign Language (TEFL)

The description and requirements of each of these programs are given in the "Certificate Programs" section of the Curricular Options and Enhancements section of the Catalog.

**Degree Completion Program for Nurses**

Any registered nurse who has completed either a two- or three-year accredited nursing program, passed the examination for registry, and completed not less than three years of work experience in the nursing profession, will be awarded 60 semester hours of credit toward any Bachelor degree program of study.

**Admission to the Continuing Education Program****Eligibility**

Continuing Education courses are open to any person at least 24 years of age with a high school diploma or its equivalent.

**Application**

Formal application is not required of Continuing Education students until after they have completed 12 credit hours at Marietta College. However, Continuing Education students who wish to apply for financial aid must complete a Continuing Education application and meet the admission requirements of the College.

**Transfer of Credit**

Marietta College welcomes students transferring course work from other colleges and universities. Most Continuing Education students include some transfer work as part of their degree program. Credit hours transferred in from an institution following a "quarter" or a "unit" program will be pro-rated to "semester" hours. Details can be obtained from the Records Office. Any transferring student should be aware of the College's Residency Requirement which stipulates that a minimum of 36 of the last 43 hours of course work must be completed at Marietta College in order to receive a Bachelor degree, and 15 of the last 18 hours of credit used in fulfillment of the requirements for the associate degree must be completed at Marietta College.

Additionally, for the bachelor degrees eighteen hours in the major must be courses taken at Marietta College.

Prospective students are encouraged to make an appointment with the

Director of the Office of Graduate and Continuing Studies to discuss questions about the Continuing Education Program. Students who are re-entering college may find it useful to have a review and evaluation of their previous course work. This may be done as part of the preregistration interview process prior to each semester.

**Life Experience Credit**

Marietta College also offers the option of assessment of prior learning for life experience credit for Continuing Education students only. Credit is awarded through a process of portfolio assessment provided by Marietta College and the Assessment Board of the college consortium of the East Central Colleges. Credit earned by this process is considered "in residence" credit.

A portfolio is prepared by first examining catalogs of the consortium colleges for courses that the student believes can be fulfilled by documented life experience; the student then writes an extended justification for each course. The basic fee for portfolio review is approximately \$700. Portfolio preparation is recommended only if a student is requesting at least 20 credit hours.

For guidance in preparing the portfolio, contact the Director of Graduate and Continuing Studies. Students submitting the portfolio will receive credit for the following course:

**College 116 Portfolio**

Completion of portfolio for submission to East Central College's Assessment Board for credit for life experience.

*Credit: 1 Hour***Fees**

Tuition for Continuing Education courses at the undergraduate level is \$305 per credit hour. The fee for auditing a course is \$83 per credit hour. There is a non-refundable application fee for admission as a Continuing Education student of \$25. Students who withdraw for any reason other than a medical leave during the first five weeks or 15 instructional hours of the semester are entitled to a prorated refund of tuition. Prorated refund charges are based on the date of actual withdrawal: first 3 hours of instruction, 90%; 4-6 hours of instruction, 80%; 7-9 hours of instruction, 70%; 10-12 hours of instruction, 60%; 13-15 hours of instruction, 50%. After the fifth week or 15 hours of instruction, there is no refund.

**Continuing Education Policies****Day and Evening Courses**

Day and Evening courses are available to Continuing Education students. It should be noted that completion of many majors requires that a student enroll in day courses.

**Course Load**

The normal academic load for Continuing Education students is two courses per semester. A student considering registering for more than two courses must obtain permission from the Office of Graduate and Continuing Studies.

**Auditing**

A student may elect to audit a course. If a student chooses to audit a course, he or she is not required to take any of the examinations or meet any of the other academic obligations of the course. No grade or credit is recorded; however, a record of the course audit is kept on the student's transcript in the Records Office. The fee for a Continuing Education student auditing a course is \$83 per credit hour.

**Non-traditional study**

Courses listed in the Catalog that are not otherwise conveniently available to Continuing Education students may be taken on a non-traditional study basis. In most cases the delivery system, not the course content, is all that is changed. Individually designed independent study projects are also available. In each case, a learning contract is prepared by the student and instructor, which defines the time frame for the course, reading assignments, degree of contact between the instructor and student, and other expectations and methods of evaluation. Non-traditional study is not a correspondence course program. In most cases the instructor meets with the student on a regular basis to discuss assignments and monitor the student's progress.

**Summer Term****Eligibility**

No formal application is necessary to enroll in summer term courses at Marietta College. Students in good standing at any college or university, or persons who wish to pursue course work on a part-time basis may enroll. Any high school graduate or high school student meeting the PSEO guidelines is eligible to enroll. Attendance at summer term courses does not constitute formal acceptance to Marietta College.

**Schedule**

The summer term usually begins in mid-May and ends in late July. Course schedules vary according to instructor preferences. The dates vary slightly from year to year and the student should refer to the Summer Term schedule for details.

**Course Load**

A student may enroll in a maximum of two courses in any combination of sessions in the summer term. Permission to enroll in more than 12 credit hours for the entire summer must be obtained from the Office of the Provost.

**Fees**

Fees for summer term courses are the same as the Continuing Education fees listed above.

**Continuing Education Honors****College Scholar**

A Continuing Education student, upon completion of the first 30 undergraduate semester hours in residence towards a degree program (associate or bachelor's) at Marietta College, with a cumulative

grade point average of 3.50 or higher, qualifies as a College Scholar, Continuing Education.

**Alpha Sigma Lambda**

Marietta College is the site of the Zeta Gamma chapter of Alpha Sigma Lambda, a national honorary for non-traditional students. Criteria for membership are

- 30 credit hours at Marietta College, 15 of which should be outside the major department;
- placement in the top 10 percent of one's class, and
- a grade point average of 3.20 or greater.

**Dean's List**

Any Continuing Education student completing at least 12 credit hours with a grade point average of 3.50-3.749 in a given academic year is recognized as a Dean's List student for that year.

**Dean's High Honors List**

Any Continuing Education student completing at least 12 credit hours with a grade point average of 3.75 or higher in a given academic year is recognized as a Dean's High Honors List student for that year.

**The Research Honors Program**

Students may attain the distinction of Honors in a Discipline through participation in the Research Honors Program. This program is described in the Curricular Options and Enhancements section of this Catalog.

**Degrees with Distinction**

A student who completes his or her course of study with a high record will be recommended for a degree with distinction. The degree with distinction is of three categories:

- Summa cum laude: a cumulative grade point average between 3.900 and 4.000
- Magna cum laude: a cumulative grade point average between 3.750 and 3.899
- Cum laude: a cumulative grade point average between 3.500 and 3.749

**Town and Gown**

A number of both day and evening courses are open to the general public for the nominal charge of \$25. Students enrolled under the Town and Gown program do not take examinations nor meet any of the other academic obligations of the course. No grade is awarded, and no record is kept of the enrollment. Enrollment is contingent upon space availability in the course and approval of the instructor.

# Campus Facilities

The Marietta College campus is close to downtown Marietta and within easy walking distance of both the Ohio and Muskingum Rivers. The 130-acre campus is bounded by 4th, 7th, Putnam and Greene Streets. The oldest building, the President's Home, dates from 1822 while the Anderson Hancock Planetarium and Legacy Library were completed in the Spring of 2009.

## The Legacy Library

Website: [library.marietta.edu](http://library.marietta.edu); e-mail: [library@marietta.edu](mailto:library@marietta.edu); Instant Messaging: MCLibraryInfo  
 Director of the Library: Dr. Douglas Anderson  
 Librarians: Angela Burdiss, Joe Straw, Peter Thayer

The Legacy Library opened for services as Marietta College's new library building as the Spring 2009 semester began. The 53,000 square foot facility is located at the center of campus on the site of the former Dawes Memorial Library. On its main floor the Legacy Library features an Information Commons for technologically intensive research. This area combines a traditional reference desk staffed to provide research assistance with numerous Internet workstations and information technology support. Additionally the building offers other useful features, including a cybercafé operated by the college's dining services and accessible to students 24 hours per day during the Fall and Spring terms; wireless Internet access throughout the building; generous space for Special Collections research and storage of materials; a hands-on computer classroom for library instruction; varied and comfortable spaces for student study, including several group study and media viewing rooms; a Center for Teaching Excellence, with an experimental classroom and a program of support for instructional technology; and compact, moveable shelving to maximize space for other functions.

An integrated, multi-function library management system enhances the capabilities of users to search for materials in the library's collections and includes an automated circulation system, as well as serials check-in and electronic ordering modules. As a member of OhioLINK, a statewide consortium of 88 Ohio college and university libraries and the State Library of Ohio, the Library provides access to 47.6 million books and other library materials, millions of electronic articles, 12,000 electronic journals, 140 electronic research databases, 40,000 e-books, thousands of images, videos and sounds, and 17,500 theses and dissertations from Ohio students. Students and faculty, using the patron-initiated, online borrowing feature, can request books directly from other OhioLINK libraries.

The Legacy Library's print collections include over 245,000 print volumes, including General Collection books, Bound Periodicals, and Special Collections books. Audio-visual holdings include more than 2700 audio CDs and 1500 videos. Additionally the Library receives more than 700 serial titles in print. As a designated government document depository the Library also receives selected documents of the United States Government and the State of Ohio.

Marietta College is a charter member of OHIONET, a cooperative

servicing Ohio libraries, and of OCLC Inc., a national computerized electronic network organized in 1967 and located in Columbus, Ohio, which links together over 60,000 academic, public, and special libraries and library systems worldwide.

## Library Special Collections

**The Slack Research Collections** comprise the individually named special collections of library materials which are housed in the Legacy Library. The name honors the decades of commitment and dedication of the Slack family to Marietta College. Included in the major collections are the following:

**The Cutler Collection**, numbering more than 1,500 manuscripts, contains the correspondence and papers of Ephraim Cutler (1767-1853) and of his son, William Parker Cutler (1812-1889). These two men, son and grandson respectively of Manasseh Cutler, played prominent roles in the legislative, economic, and educational growth of Ohio. The donor of the collection, Mary Dawes Beach, great-great-granddaughter of Manasseh Cutler, was the wife of Arthur G. Beach, author of *A Pioneer College: the Story of Marietta*, published in 1935, and professor of English at Marietta from 1913 to 1934.

**The Charles Gates Dawes Collection** consists of 146 autographed letters and documents of internationally known men and women of the past 400 years. The collection was presented to the College in 1938 by Charles Gates Dawes, Class of 1884, who assembled it while he was serving in France during World War I. Included are autographs of world-famous statesmen, artists, authors, monarchs, musicians, philosophers, and scientists.

**The Paul Fearing Collection** consists primarily of the business documents of Paul Fearing (1762-1822), first attorney in the Old Northwest Territory, and contains many papers related to his work as an agent for non-resident land owners. Also included is the correspondence between Paul Fearing and Mr. and Mrs. Nathan Willis, Fearing's brother-in-law and sister.

**The Harry Philip Fischer Collection** of photographs contains 14,000 plates and films of local scenes and a collection of photographs of steamboats. A graduate of Marietta Academy, Class of 1896, Fischer was a well-known photographer in Marietta from 1901 to 1949. The collection was donated by Mrs. Daisy Fischer and Richard Philip Fischer.

**The Samuel Prescott Hildreth Collection** consists of the letters, documents, and memorabilia of Samuel Prescott Hildreth (1783-1863), Marietta physician, geologist, botanist, and amateur historian. The material focuses on the pioneer history of the Ohio Valley from 1787 to 1847, and also contains information on natural history and geology. Included are meteorological records from Hildreth's 40 years of weather observation, as well as the notes of his medical practice from 1831 to 1854. Some of the material was used in two of his publications, *Pioneer History* (1848), and *Biographical and Historical Memoirs of the Early Pioneer Settlers of Ohio* (1852). Books from Dr. Hildreth's own library are also cataloged into the special collections.

**The Stephen Durward Hoag Collection** of photographs depicts people and scenes of mid-twentieth-century Marietta, and also contains reproductions of images made by earlier photographers. A member of the Class of 1923, Hoag was a well-known amateur photographer.

**The Legacy Art Collection** consists of paintings, prints, and artifacts collected by the College. Included are many works of art acquired by the College's second president, Henry Smith, during a trip to Europe in 1836, as well as paintings by local artists.

**The Manuscripts and Documents of the Ohio Company of Associates** is a collection of business records, land records, and correspondence related to the earliest settlement of Marietta and the Old Northwest Territory. It includes the original book of minutes of the Associates, record books of shareholders and their land allotments, survey plats, and surveyors' field notes. Part of the collection was bequeathed by William Rufus Putnam, the grandson of Rufus Putnam, and part was deeded to the College by Agnes Ward White, whose ancestor, Nahum Ward, owned a controlling interest in the Company's assets.

**The Rufus Putnam Papers** is a collection of the correspondence and records of General Rufus Putnam (1738-1824), Revolutionary War officer, superintendent of the Ohio Company of Associates, and surveyor general of the United States. The material reflects the hazardous economic, military, and political life of the pioneer era in the Old Northwest Territory. The collection was bequeathed to Marietta College by William Rufus Putnam, grandson of Rufus Putnam.

**The Rare Book Collection** contains volumes dating from 1489. Included are incunabula, rare dictionaries, nineteenth-century textbooks, and many historical first editions, such as Newton's *Opticks*.

**The Charles Goddard Slack Collection** of historical documents and prints contains more than 250 letters, documents, and illustrations of persons notable in the history and culture of Marietta College, the city of Marietta, and the Old Northwest Territory. The core of the collection was presented in 1905 by Charles Goddard Slack, Class of 1881, and is supported by endowment funds given by him and by Francis G. Slack (D.Sc. 1951).

**The Rodney M. Stimson Collection**, deeded to the College in 1900, consists of about 20,000 volumes of Americana, rich in the history of the Old Northwest Territory and Ohio, the westward movement, Native American Indians, the Revolutionary and Civil wars, slavery and abolition, personal narratives, almanacs, and books on early travel. Rodney Metcalf Stimson, Class of 1847, was a lawyer, newspaper editor, and librarian of the state of Ohio, as well as librarian and treasurer of Marietta College from 1895 to 1913.

Many additional manuscript collections related to the history of the region, too numerous to name individually, are preserved in the Slack Research Collections. Also maintained are the Marietta College Archives, which contain the correspondence of past presidents, College publications, photographs, and records documenting the history of the College from the time of its founding.

## Library Endowment Funds

The following funds have been given or bequeathed to the College for the purchase of library materials:

**The Charles Fritz Absolon Memorial Fund** was established in 1979 by his family and friends in memory of Mr. Absolon (1956-1978), Class of 1978. The income is used for the purchase of books and periodicals in geology. Each year the outstanding graduating geology major, as determined by the geology faculty, receives the honor of the Absolon Prize by having his or her name imprinted on the bookplates of the library materials purchased that year with the income.

**The Frank E. Adair Fund** was established in 1983 from a bequest of Dr. Adair, Class of 1910, Sc. D. 1934, LL.D. 1947. Income from the fund is used for the purchase of library materials in the humanities.

**The Alderman Fund** was established in 1973. The income is used to purchase books and periodicals.

**The George Jordan Blazier Memorial Fund** was established in 1970. The income is used to support a continuing program of acquisition and care of books, periodicals, and manuscripts within the special collections of the library. The fund was created from numerous gifts made to the College by friends of Dr. Blazier, Class of 1914, L.H.D. 1960, College librarian, 1914-1959, and College archivist, 1954-1970. In 1983 the fund was increased by friends in memory of Mrs. Agnes Dedge Blazier (1893-1983).

**The Peter L. Cartoun Memorial Fund** was established in 1979 by his family and friends in memory of Mr. Cartoun (1958-1979), Class of 1980. The income is used for the purchase of books and periodicals.

**The John W. Crooks Memorial Fund** was established in honor of Mr. Crooks, Class of 1897, by the Ohio Farmers' Insurance Company in 1926. The income is used for the purchase of books and periodicals on insurance and related fields.

**The Michele Ann Darrell Memorial Fund** was established in 1983 by her family and friends in memory of Ms. Darrell (1958-1978), Class of 1980. The income is used for the purchase of library materials in the humanities.

**The B. Gates Dawes Jr. Fund** was established in 1969 from a bequest by Dr. Dawes, Class of 1917, L.H.D. 1966, a trustee of the College for 20 years, and chairman of the Board of Trustees from 1954 to 1966. Income from the fund is used to support the development and preservation of the periodicals collection.

**The Henry Barker Fernald Fund** was established in 1958 by Dr. Fernald (LL.D. 1960), a direct descendant of Marietta pioneer Joseph Barker. Income from the fund is used for publication of historical records or other papers relating to the settlement of Marietta and vicinity and to the pioneer settlers.

**The Friends of the Library Fund** is maintained by numerous contributions of alumni and friends of the College who wish to support the College program by aiding in building the library collections. Gifts are received in cash or books, and are often initiated as memorial presentations. A record of individual gifts is published in the Annual Report of the College Librarian.

**The Fred G. Jackson Memorial Fund** was established in 1964 by his wife in memory of Mr. Jackson, Class of 1918, a trustee of the College during 1955-1960 and 1962-1964. The fund is based upon the numerous memorial gifts tendered the College by Mr. Jackson's friends. The income is used for the purchase of books and periodicals.

**The Robert L. and Irene N. Jones Library Fund** was established in 1990 from a gift of Dr. Irene Neu Jones, Class of 1944, Litt. D. 1990. The income is used for the purchase of books in history and political science. Dr. Robert L. Jones was a member of the Marietta College faculty from 1938 to 1975, serving as chair of the department of history and political science from 1945 to 1970, continuing as chair of the department of history until 1972. He was the first recipient of the Andrew U. Thomas Professorship in History (1966-1975).

**The Margaret Brown Krecker Memorial Fund** was established in 1960 by Dr. Frederick H. Krecker in memory of his wife, Margaret Ellen Brown Krecker, Class of 1915. The income is used to purchase books relating to government.

**The Helen V. McIntire Memorial Fund** was established in 1979 from a bequest to the College by Mrs. McIntire (1905-1978), secretary to the director of development and to the secretary of the College (1958-1974). The income is used for the purchase of books and periodicals.

**The Stanley C. Morris Memorial Fund** was established in 1982 from a bequest of Mr. Morris, a contribution from his son, Stanley Clarence Morris Jr., Class of 1947, and a matching grant from the National Endowment for the Humanities. Attorney Morris, Class of 1914, LL.D. 1948, was a College trustee from 1941 to 1970 and the leader of the drive to build the Dawes Memorial Library. The income is used for the purchase of library materials in the humanities.

**The Barbara Cramer Parker Memorial Fund** was established in 1984 from a gift of her father, Dr. Paul N. Cramer, in memory of Mrs. Parker (1938-1983), Class of 1959, and a matching grant from the National Endowment for the Humanities. The income is used for the purchase of library materials in the humanities.

**The Charles Henry, Esther Rosetta, and Edward S. Parsons Memorial Fund** was established in 1966 from a bequest by Miss Esther Parsons in memory of her father, Edward S. Parsons (LL.D. 1935), president of Marietta College from 1919 to 1936. It is an outgrowth of an earlier fund created by President Parsons in memory of his parents. The income from the combined funds is used to purchase books in literature.

**The Elmer Hadley Rood and Ellen Holst Rood Fund** was established in 1983 by Attorney David R. Rood, Class of 1947, in memory of his parents, members of the Classes of 1908 and 1917, respectively. Additional funds were provided by a matching grant from the National Endowment for the Humanities, the income to be used for the purchase of library materials in the humanities.

**The Murray Seasongood Fund** was established in 1983 by a bequest from Attorney Seasongood, LL.D. 1950. The income is used for the purchase of library materials relating to local government.

**The Hiram L. Sibley Fund** was established by William G. Sibley, Class of 1881, in memory of his father, Judge Hiram L. Sibley. The income is used to support a special collection of books.

**The Charles G. Slack and Frances G. Slack Funds.** (See Library Special Collections.)

**The Stone Family Fund** was established in 2001 by Dr. Dwayne D. Stone, Professor Emeritus of Geology, in honor of his father, Dwight H. Stone, D.O., his mother, Hazel G. Stone, and his brother, Dwight H. Stone, Jr., M.D. The purpose of this fund is to provide financial sup-

port for Marietta College. The income from this fund is to be shared equally between the Library and the College's Board of Trustees, and expended as each recipient designates. (See also Memorials.)

The Henry Smith Fund was established in 1980, with the income used for the repair, binding and preservation of library materials in the special collections. The fund, based upon gifts of alumni and other friends of Marietta College, honors Dr. Smith, the second president of the College (1846-1855) and the person most responsible for the early development of the library.

**The Andrew U. Thomas Memorial Fund** was established in 1966, based upon gifts made to the College by the family and friends of Mr. Thomas, Class of 1921, trustee of the College 1957-1962, and loyal friend of the library. The income is used for the purchase of books and periodicals.

**The Asa Wilson Waters Fund** was established in 1930 according to provisions of the will of Mr. Waters (M.A. 1880). The income is used for the purchase of books "of literary merit". Mr. Waters attended Marietta College (1867-1869), later graduating from Dartmouth College and the University of Cincinnati Law School.

## Instruction Buildings

**The Edwy R. Brown Petroleum Building** includes the Department of Petroleum Engineering and Geology. Construction was financed by funds left by the late Edwy R. Brown, Class of 1894, as a memorial to his sister, Mary Ellen Brown. The following facilities are located within the building: the Petroleum Engineering and Geology Department's offices, classrooms, 100-seat lecture room, and a microcomputer laboratory, complemented by laboratories for investigation of rock and produced fluid and natural gas properties, drilling and completion fluid properties, cement properties, and the CNG Gas Transmission Laboratory.

The geology laboratories include a paleontology laboratory that houses exceptionally fine fossil and stratigraphic collections. The mineralogy and petrology laboratories are equipped with modern thinsectioning equipment, petrographic microscopes, instruments for differential thermal analysis and spectroscopy, and have large mineralogical and petrological collections. The advanced laboratory for work in geomorphology and in structural and field geology contains large numbers of topographic and geologic maps, and aerial photographs.

The Brown Petroleum Building received a major refurbishing during 2005-06.

**The Center for Families and Children** is designed to enrich the lives of both our students the people in our surrounding community. This is accomplished by offering special programs to families and allowing students to observe and interact with these families as a part of their course work. Such programs include a toddler play/parent support group. Parents with children ages 2-4 can enroll in this program. They are given the opportunity to discuss parenting concerns such as sleep and eating patterns with the center director while their children play under the supervision of education and psychology students. The center also offers developmental testing for infants and special programs in reading and art enrichment for children. It is located across from Mills

Hall and adjacent to the new recreation center. Interested students and families can contact the Psychology Department for more information regarding programming and student opportunities.

**The Dyson Baudo Recreation Center** houses the Sports Medicine Center, and the Sports Medicine classroom, all located on the ground floor. The Sports Medicine Center offers areas for taping, electrotherapy, and hydrotherapy, and includes the latest in modern equipment for teaching and treatment purposes. The DBRC also offers a wide range of classes open to campus members, such as pilates, aerobic conditioning, racquetball and rock climbing. The center is supervised by certified athletic trainers under the direction of the team physicians. The center's services are available to all students.

**Erwin Hall**, the College's oldest academic building, was completed in 1850 and named in honor of Cornelius B. Erwin. It houses the Education and Psychology programs. Erwin Hall is located in the National Register of Historic Places.

In addition to classroom space, Erwin Hall includes a computer lab. It is maintained by the Department of Education and contains Macintosh computers and multimedia equipment that allow students to learn how computer technology can be integrated into contemporary education. The laboratory is used in conjunction with many of the Department of Education's college-level courses, as well as special programs including the Summer Reading Clinic and the Women in the Sciences Program.

The Psychology Laboratory contains IBM-compatible computers that allow students to conduct experiments in human and animal learning, social behavior, perception and psychophysics, artificial intelligence, and other topics of interest to contemporary experimental psychologists. These computers may be used by students who choose to conduct their own research projects.

**The Grover M. Hermann Fine Arts Center** is a three-story brick building providing complete facilities for the Departments of Art and Theatre, as well as for the MacTaggart Department of Music. It is the result of the generosity of the late Grover M. Hermann, L.H.D. 1962, and the late Mrs. Sophia Russell, sister of the late Edward E. MacTaggart, Class of 1892, and a former trustee of the College.

The art studios, providing facilities for printmaking, painting, design, drawing, and ceramics, are arranged around a large exhibition gallery on the third floor. Also on that floor are departmental offices, and a large art history lecture room. The sculpture studio is located in a separate building across the street from the center. The music facilities of the Edward E. MacTaggart Department of Music are located on the second and third floors of the center. A rehearsal room, which is also used as a recital hall, accommodates approximately 200 people and is equipped with two grand pianos (a Baldwin and a Steinway). Teaching studios, classrooms, and practice rooms are provided with Baldwin or Steinway pianos. Audio sound equipment also is provided in classrooms and teaching studios.

The center's recently refurbished Friederich Theatre seats 200 and can be arranged to accommodate any type of staging now used in the modern theater: proscenium, arena, caliper, open, or thrust stages. There are two side stages and an orchestra pit. The main stage has three fullstage wagons, as well as the conventional flies with counterweight system and a motorized light bridge. On the same floor there are also a small experimental theater that seats 70, a paint-dye room, an electri-

cal workshop, a general shop area well-equipped with electrical tools, a large storage room for scenery and properties, actors' washrooms and showers, a kitchenette, and ticket office.

The second floor includes a costume make-up laboratory, men's and women's dressing rooms, a costume storage room, a control booth containing a new digital DMX lighting system and a new 32 channel sound mixer for wireless and fixed mikes, and two faculty offices with observations windows to the theatre.

The newest addition is a multimedia computer lab for the fine arts and communications. The lab is equipped with both PC and Mac computers, scanner, printers and computer projection equipment.

**The McDonough Center for Leadership and Business**, completed in 1989, houses the 300-seat Alma McDonough auditorium and offices for the McDonough Leadership Program. The building also contains classrooms, meeting rooms, a small apartment for visiting lecturers in residence, and the Betty Cleland Room, a formal dining room named for the wife of former College President Sherrill Cleland. The building is named in memory of Bernard P. McDonough, a West Virginia businessman and philanthropist, through the generosity of his wife, Alma McDonough.

**The McKinney Media Center** houses the College's radio and television broadcast facilities and student newspaper offices. It carries the name of the McKinney family in honor of their contributions to local newspaper publishing and their support of the College. The structure originally housed The Marietta Times, the community's daily newspaper, and was remodeled in 1983 following its acquisition by the College.

The Center's facilities include two radio stations, a cable television station, student newspaper facilities, darkroom, classroom space, computer graphics lab, and faculty offices. The two FM broadcasting stations are equipped with on-air control rooms and studios and a broadcast newsroom equipped with computers and Associated Press satellite news feed. A production center is used by students for on-air programming and for class and laboratory assignments. Television facilities include a large studio equipped with news, interview, and general purpose sets, and solid state cameras. The television control room is equipped with an eight-channel audio board, an ISI six bus effects switcher with downstream key, and a computer-based character generator. Special graphics are developed on a 3M/DeGraff "Paint-box," and video tape editing is via a Super VHS system. Student newscasts are enhanced with material from CNN NewsSource received via satellite.

WMRT-FM, a 9,200 watt stereo station operating at 88.3 MHz, is student managed and staffed, and provides jazz and classical music, news, and Marietta College sports over a 40-mile radius of Marietta. WCMO-FM, a 10 watt station at 98.5 MHz, is student managed and staffed, providing the Marietta area with music formats selected by each of the student announcers. WCMO-TV provides a variety of student produced programs to over 11,000 cable households in the Marietta and Williamstown, West Virginia area. TV programs include a four-night-a-week newscast, variety, public affairs, and sports programming.

**Mills Hall** provides office and classroom space for the Communication faculty of the Department of Communication and Media Studies. The building was remodeled and renamed in 1964 to memorialize two long-time trustees and benefactors of the College: John Mills, Class of

1867, and William W. Mills, Class of 1871, and experienced a major refurbishing in 2005.

**The William Chamberlain Gurley Observatory** on the roof of Mills Hall consists of an electrically driven dome for a six-inch Byrne refractor telescope built in 1882, an observation platform, and a storage and laboratory room. Other telescopes include an eight-inch Celestron C8 SCT, an Edmund wide-field, and a 3.5-inch Questar with Cervit optics. Numerous small telescopes are available for individual student use.

**The Rickey Science Center** is a complex of three connected buildings (the Rickey, Selby and Bartlett buildings) and is home to five science departments, namely Biology and Environmental Science, Chemistry, Mathematics and Computer Science, Physician Assistant Studies, and Physics. The Rickey Building was dedicated in April 2003. It is the result of gifts from David M. Rickey (Class of 1978), the J and D. Family Foundation, and Jan E. Neilson, as well as other alumni and friends of the College. The first floor of the Rickey Building consists of physics laboratories (introductory, advanced, and student research), as well as an environmental science classroom/laboratory. The second floor provides laboratory space for anatomy, microbiology, cell and molecular biology, and student research. Chemistry laboratories for general, organic, physical/inorganic, biochemistry/analytical, and student research are located on the third floor.

**The Selby Building** was largely financed through gifts from the William G. and Marie Selby Foundation and Mrs. Marie Selby. Included on the first floor are classrooms, physics and environmental science faculty offices, and a physics laboratory/classroom. The second floor was recently renovated to accommodate faculty offices for mathematics and computer science along with three classrooms and a computer laboratory. The third floor of Selby includes chemistry faculty offices, chemistry instruments laboratories, a classroom, and a chemistry stockroom.

**The Bartlett Building** was made possible in large part through a bequest of Mrs. Jessie Bartlett Noll (1887-1966) and is named in memory of her husband D.A. Bartlett (1866-1922). The first floor is home to the Eggleston Department of Biology and Environmental Science. Also located on this floor are classrooms, physics faculty offices, and a physics seminar room. In addition to biology faculty offices and distance education classroom, the second floor contains laboratories for introductory biology, botany, and zoology. The Physician Assistant Studies (PA) graduate program is found on the third floor and includes PA faculty offices as well as lecture, seminar and clinical classrooms. In addition, chemistry faculty offices, the E.L. Krause Reading Room, and a computer laboratory are located on the third floor.

**The Anderson Hancock Planetarium**, connected to the Selby Building of the Rickey Science Center, was dedicated in 2009. It was the result of a major gift from David ('78) and Brenda Rickey, and is named in honor of two emeritus faculty members in physics, R. Lester Anderson and G. Whitmore Hancock. The facility houses a 102-seat star theater featuring a hybrid projection system consisting of a Chronos optomechanical starfield projector and a Digistar full-dome video projector. The building includes physics faculty offices and a lobby with an astronomy gallery and NASA ViewSpace video feed.

**Andrew U. Thomas Memorial Hall** houses the classrooms, reading rooms, and offices of the Departments of English, History, Modern Languages, Philosophy, Political Science, Religion; and the Brachman

Department of Business & Economics. The Honors Program suite, the Writing Center and the International Student Office are located within Thomas Hall. Teaching facilities range from seminar rooms to an auditorium seating 148 and include eight electronic classrooms. The building is a memorial to Andrew U. Thomas, Class of 1921, and a former member of the College's Board of Trustees.

## Residence Halls

**Alpha Tau Omega** - Alpha Tau Omega is a national social fraternity that seeks to cultivate the elements of success and utilize those elements to create a positive and rewarding future for today's men. Thirty-nine members of Alpha Tau Omega can be housed here. The residence has a public lounge, a kitchen and a laundry room. The second floor of the Alpha Tau Omega House is used for independent housing when necessary.

**Alpha Xi Delta** - Alpha Xi Delta is a national fraternity dedicated to the advancement of women, promotion of high standards and community service. The fraternity house was constructed in the 1800s and is home to nineteen members. The residence provides public lounges, a kitchen and a laundry room.

**Arts & Humanities (A&H)** - Arts and Humanities House has four purposes: to provide an atmosphere conducive to and supportive of creative and artistic endeavors, to create an on-campus residence community for individuals who share a common respect and interest for the fine arts and the humanities, to offer a variety of programming and social opportunities for the entire campus relating to the arts and humanities and to promote preexisting campus organizations in the humanities and arts. Thirty-nine members of the Arts & Humanities council live in this house. The residence has two public lounges, a kitchen and a laundry room.

**Mary Beach Hall** is a residence for 97 first year male students. A four-story colonial design, it is connected to Dorothy Webster Hall. The residence hall has a quiet study room, laundry and public lounge. Mary Dawes Beach, Class of 1895, was one of the College's first two women graduates and the wife of Professor Arthur G. Beach, longtime member of the faculty.

**Chi Omega** - Chi Omega is a national sorority chartered at Marietta College in 1923. The sorority chose six purposes to guide the fraternity: Friendship, High Standards of Personnel, Sincere Learning and Creditable Scholarship, Community Service, Participation in Campus Activities and Career Development. The chapter house is home to twenty members. The residence provides members with public lounges, a kitchen and a laundry room.

**Delta Tau Delta** - Delta Tau Delta, an international fraternity, is a social body with a strong emphasis on academics and strengthening of community. Delta Tau Delta members seek to enhance their college experience through various brotherhood, academic and philanthropic activities. Membership is granted through the extension of a bid. All initiated members must maintain good academic standing with the college. This residence houses fifteen members of the chapter. It has a public living room, a chapter room, a library and a kitchen/laundry room area.

**Fayerweather Hall** is a coed residence hall for 58 upper class students. The building was completed in 1906 and renovated in 2005, and is made up of single rooms and single suites. The four story building has a laundry room, community kitchen, public lounge, and multipurpose room. Fayerweather Hall is named in honor of Daniel Burton Fayerweather, a New York City businessman who donated funds to build the residence hall.

**Glendale Apartments** provide housing for sixty upper class students. Four students share an apartment that consists of two bedrooms, bathroom, kitchen and a living room/dining area. There is a laundry room located in the lower level of the building.

**Harmar House** - Harmar House is a two-story building which has two public lounges, a weight lifting room, a study lounge, an activity room, a kitchen and a laundry room. The Harmar House can house twenty-five upper class residents.

**Lambda Chi Alpha** - Lambda Chi Alpha provides housing for up to seven students. This house includes a public lounge, a kitchen and a laundry room.

**Marietta Hall** is a coed residence for 126 first year students. The four-story colonial design has a public lounge, kitchen, quiet study room and two laundry rooms.

**McCoy Hall** is a coed residence hall completed in the fall of 2001 to accommodate 176 upper-class students. The residence hall consists of two wings connected by a center multipurpose lounge and staff office area. Each wing provides a variety of community housing options: single suites, double suites, traditional double rooms and apartments. The four-story colonial design has two laundry rooms, public lounge, multipurpose room, two community kitchens and interior bicycle storage room. The residence hall is named in honor of the leadership and service that three generations of the McCoy family, beginning with John H. McCoy and his wife Florence Buchanan McCoy, have given to Marietta College.

**Elsie Newton Hall** - Elsie Newton Hall is a part of the Dorothy Webster Complex. Elsie Newton houses 56 first-year female students in double rooms measuring 12ft. x 16ft. The windows are 44in. x 64in. The mattresses are 39in. x 80in. Elsie Newton was the College's first dean of women and the daughter of its fourth president, John Eaton.

**Edward S. Parsons Hall** is a coed residence for 213 upper-class students. It consists of a series of suites, each with four double bedrooms. Parsons Hall was named in memory of the eighth president of the College.

**Pioneer House** - Pioneer House provides housing for thirty-nine upper class students. This residence hall is for extended quiet study and is substance free. The residence has a public lounge, a kitchen and a laundry room.

**Sigma Kappa** - The Sigma Kappa sorority was chartered at Marietta College in 1944 and has been uniting women in lifelong friendship. The chapter's goal has been to help each member to develop her greatest potential through academic success, personal growth, sisterhood and philanthropic service. The residence provides seventeen members the use of public lounges, a kitchen and a laundry room.

**Sophia Russell Hall** is a coed residence for 149 first year students. Named in memory of a friend and benefactress of the College, the

four-story brick building is of colonial design. Russell Hall has a public lounge, kitchen, quiet study, and laundry room.

**Dorothy Webster Hall** was originally a private home. The building and the grounds around it were the gift of John Mills, Class of 1867, and William W. Mills, Class of 1871, as a memorial to their mother, Dorothy Webster Mills. The three-story stucco building accommodates 39 coed upper class and first year students. Dorothy Webster Hall has a public lounge, kitchen and laundry room.

## Student Life Buildings

**Andrews Hall**, erected in 1891 and completely renovated in 1993, was named in memory of Israel Ward Andrews who served Marietta College for fifty years, thirty of which he was president. The four-level student activities center provides a Great Room (auditorium seating for 230 for meetings or 160 for served dining), snack bar, private dining area, conference rooms, commuter lounge, computer room, television lounge, and other facilities. The offices of Student Life, student government, Counseling Services and the Academic Resource Center are located in the building.

**The Gathering Place** is an additional student center that was transformed from an empty supermarket building by members of the College community, including alumni and students. The relaxed atmosphere allows for a range of free activities including pool, video games, air hockey, ping pong, darts and a big screen television. The Gathering Place is the location of choice for comedians, small concerts and a variety of other programs. The Office of Campus Police/Services is located in the annex.

**The Gilman Center** was opened in 1958. An extension was added in 1961, and the second floor of the building was extensively renovated in 2000 and a further renovation completed in 2005 when a cyber cafe was added. The College's bookstore, the main dining facilities, Career Center, and postal facilities are located in this building. A renovation to the area in front of Gilman Center, including the addition of new benches, steps, lights, and landscaping, was completed in 1993 as part of the renovation of Andrews Hall, which is located across the College Mall from Gilman. A plaque on the exterior north wall records the names of the alumni who have fallen in the nation's wars from the Civil War to Vietnam. The center was named in recognition of the contributions of the Gilman family to Marietta College.

## Athletic Facilities

**Beren Tennis Center**, opened in November 2002, was built and named in honor of Robert M. Beren and his family. The facility features two batteries of four courts with a large spectator area located between them. An obelisk memorializes members of the Beren family and graces the central plaza of the new Center.

**Don Drumm Field** was named in 1966 to honor Donald D. Drumm, Class of 1915, and longtime professor of physical education and director of athletics (1914-17 and 1929-59). The site of the College's intercol-

legiate competition in football, the field is lighted and seats 5,000 in the stadium, plus 2,500 in portable seats.

**Don Schaly Stadium** was dedicated in 2006 to honor Hall of Fame baseball coach Don Schaly, Class of 1959, and is the College's 20-acre athletic area off Pike Street located 3/4 mile from the campus. It includes a lighted, natural grass baseball field, built to major league dimensions. The facility also includes two batting cages with artificial turf and a practice infield, both adjacent to the fully enclosed stadium. The three-story press box includes a fully equipped concession stand, umpires locker room, lounge area and double-level press box that can accommodate up to 26 people and an organist. Also located next to Don Schaly Stadium is the Alun O. Jones Memorial Field that is used by the College's intercollegiate soccer teams as a practice facility.

**Dyson Baudo Recreation Center**, opened in January 2003, it contains the renovated Ban Johnson Arena as well as the addition of an 84,000 square foot Field House. The facility is named in honor of Robert Dyson and Laura Baudo-Sillerman, two MC alumni who played a major role in the construction and development of the center. The north end of the DBRC contains offices of the Department of Athletics and Physical Education, as well as Fenton Court, where the varsity volleyball and men and women's basketball teams compete. Varsity locker rooms, as well as a classroom and several conference rooms are also located at the north end of the facility. The south end of the DBRC houses a 200 meter, six lane running track, four regulation size multi-purpose activity courts, two racquetball courts, a state-of-the-art weight room and fitness center, a 35-ft. high climbing wall, multi-purpose room for aerobic and dance activity, crew training room, student, faculty and staff locker rooms, as well as vending machine areas and casual activity and lounge spaces. The Marietta College Department of Sports Medicine is also located in the DBRC at the south end of the facility just off Butler Street.

**Lindamood-Van Voorhis Boat House**, uniquely constructed of grindstones quarried near Marietta, was given to the College in 1930 by the Kiwanis Club of Marietta. Located 3/4 mile from campus on the west bank of the Muskingum River, it houses the College's racing shells and provides facilities for its crews. Extensive renovation, including the addition of a second floor, was completed in 1974.

**Marietta Field** was renovated in 2006 and serves as the home site for softball and men's and women's soccer. The softball field complex is a state of the art field with dugouts, permanent fencing, warning track and bleachers.

**Chuck McCoy Athletic Facility** was opened in 1993. The 6,800 square foot multipurpose athletic facility, used primarily for football, features a reception area, football coaches' offices, a conference room, a 100-seat meeting and film room, a 100-locker room, training room and a laundry room. The original building was used for another purpose; however, the structure was completely remodeled and an addition was

added to create a model athletic facility. A further addition was made in 2006.

## Administration Buildings and Landmarks

**Admissions House** was originally a private residence, the Alexander Home, built early in the twentieth century. From 1978 to 1997, the Sigma Sigma Sigma sorority lived in the house. The Alexander Home received a major refurbishing and from 1998 has been home to the Office of Admission

**The College Mall** was constructed in 1986 by replacing Fifth Street between Butler and College Streets with concrete brick pavers, trees, and other landscaping. Two former trustees of the College, R. Neil Christy and F. Leonard Christy, substantially contributed to the project. The mall was expanded in 1989 by extending it to Putnam Street and closing College Street.

**The Fifth Street Gateway** was built at the Putnam and Fifth Streets entrance to the College in 1989 as part of the extension of the College Mall to Putnam Street. A donation from the Class of 1936 made the gateway possible.

**The William Bay Irvine Administration Building** has been occupied by the offices of the President, the Provost, Advancement, College Communications, Alumni Relations, Registrar, and Business Office. It perpetuates the name of the late William Bay Irvine, Class of 1917, and the College's twelfth president.

**MacMillen House**, at 213 Fourth Street, was the birthplace of Francis Rea MacMillen in 1885. A child prodigy, he achieved an international reputation as a violinist. The building now houses the administrative offices of the Physical Plant Department.

**The McCoy Memorial Gateway** at the corner of Fourth and Putnam Streets is the entrance to the front of the campus. It was erected in 1962 as a memorial gift from the family of the late John H. McCoy, a trustee of the College for twenty-four years.

**The President's Home** is the College's oldest building. A fine example of early American architecture with Georgian and Greek Revival attributes, it was built in 1822 and was the home of John Mills, Class of 1867. The house is included in the National Register of Historic Places.

# Endowment Resources

Throughout its history, the College and its students have benefited from the generosity of its alumni/ae and friends. Part of this generosity is reflected in the endowed departments, professorships, fellowships, scholarships, and prizes. This section of the Catalog describes these.

## Endowed Departments, Professorships, and Fellowships

**The Marcus and Mindel Vershok Brachman Department of Business & Economics** was so designated in 1965 in grateful recognition of the significant support of Marietta College by the late Solomon Brachman of Fort Worth, Texas, a 1918 graduate. The name memorializes his parents. The department is located in Andrew U. Thomas Memorial Hall.

**The Edwy R. Brown Department of Petroleum Engineering**, established in 1946, memorializes a graduate in the Class of 1894 who was a pioneer of the oil industry in the American Southwest. Funds bequeathed by Mr. Brown, who died in 1942, built the Edwy R. Brown Petroleum Building, which houses the department.

**The Harla Ray Eggleston Department of Biology**, designated in 1965, memorializes a faculty member who taught biology from 1915 until his retirement in 1960, and who was department head for most of that time. Professor Eggleston died in 1965. The department is located in the Bartlett Biology Building.

**The Edward E. MacTaggart Department of Music**, located in the Grover M. Hermann Fine Arts Center, perpetuates the memory of Mr. MacTaggart, Class of 1892, a patron of the fine arts. He was a benefactor of the College in many ways and twice served it as a trustee. He died in 1952. The department designation was established in 1964.

**The Ebenezer Baldwin Andrews Chair of Natural Science**, established in 1925 and endowed in 1934 under the will of Katherine Andrews Mather, memorializes her father, a 1842 graduate and a professor of geology, mineralogy, and chemistry at the College from 1851 to 1870. Dr. Frederick R. Voner is the current holder.

**The Israel Ward Andrews Professorship in Religion** was established in 1905 from a bequest of Dr. Andrews, president of the College from 1855 to 1885. The designation of the chair underwent several changes.

**The Benedum Professorship**, established in 1965 through a grant from the Claude Worthington Benedum Foundation of Pittsburgh, Pennsylvania, is an endowed fund in support of the chair of the Edwy R. Brown Department of Petroleum Engineering. Among other members of the family, the fund is in memory of Michael L. Benedum, an internationally prominent figure in petroleum and an honorary trustee and alumnus of the College. Dr. Robert W. Chase is the current holder.

**The Erwin Professorship in Chemistry** was reestablished in 1935 after being unassigned for many years. It is a memorial to Cornelius B. Erwin of New Britain, Connecticut, a benefactor of the College during his later lifetime and through his will following his death in 1885.

**The William R. and Marie Adamson Flesher Chair in the Humanities** was established in 1983 from funds left for the purpose by the Drs. Flesher, both deceased. Graduates of the College, he in 1930, she in 1927, they were each awarded an honorary degree in 1968 in a joint conferral, the first in the College's history and the only one to date. The honorary degrees recognized their many contributions to education, both in elementary and high schools and on the education faculty at Ohio State University, and for their generousities to Marietta College. The bequests from the Fleshers generated a grant from the National Endowment for the Humanities under a gift-matching challenge which was attained. This money has been made a part of the principal of the Flesher Chair in the endowment fund.

**The Milton Friedman Chair in Economics** has been funded through a trust established by Lester E. and the late Alice McCoy Merydith, alumnus and alumna of the College in the Classes of 1927 and 1928, respectively, of Sun City, Arizona. The chair is named in honor of the internationally known economist, scholar, writer, and Nobel Prize winner. Additionally, the donors and the College sponsor the Friedman Lecture Series for faculty, students, and area residents. The first lecture in 1983 featured the honoree, Dr. Friedman. Dr. Gregory Delemeester is the current holder.

**The Henderson Professorship in Philosophy** was established in 1892 from funds bequeathed for the purpose by Dr. Henry Smith, president of Marietta College from 1846 to 1855, who desired that the chair be named in memory of his mother, Phoebe Henderson Linsley. Dr. Kenneth J. Itzkowitz is the current holder.

**The Hillyer Professorship in English Literature, Rhetoric, and Oratory** was established in 1879 through funds provided by Truman Hillyer. Dr. Mabry O'Donnell is the current holder.

**McCoy Professors** are Marietta College faculty who have been recognized as outstanding teachers by a selection committee composed of nationally recognized teachers and scholars who are not members of the Marietta College community. The four-year designation, with possibility of renewal, also includes an annual salary supplement. The program was established in 1993 as part of the McCoy Endowment for Teaching Excellence, which was donated to Marietta College by John G. McCoy, Class of 1935, and his wife Jeanne.

**The Petroleum Industry Partnership Chair** was established with gifts from several interested corporations (among them Mobil Oil, Consolidated Natural Gas, Standard Oil of Ohio, Gulf/Chevron, and Conoco) and assets from two bequests from persons who were active in the petroleum industry. Dr. Robert W. Chase is the current holder.

**The Molly C. Putnam Professorship in Religion** was established in 1973. Mrs. Putnam was a devoted churchwoman who resided in Pasadena, California, until her death in 1972. Both she and her husband, Douglas, a member of the Class of 1881, remembered the College in their wills.

**The Rickey Professorships** were established in 2000 through a gift from David M. Rickey, Class of 1978; the J&D Family Foundation of San Diego, California; and Jan E. Nielsen. The grant endowed two new

positions in the Physics Department and assures that the department will maintain a minimum of three full-time faculty members. Currently the Rickey Chairs are held by Dr. Dennis E. Kuhl.

**The Andrew U. Thomas Professorship in History** was established in 1966 as a memorial to Mr. Thomas, of Dayton, Ohio, a graduate in the Class of 1921, who served as a trustee of the College. The endowed chair was created from gifts made by Mr. Thomas and his late wife, Mrs. Lenore B. Thomas. Dr. James H. O'Donnell III is the current holder.

**The Edward G. Harness Endowment**, established in 1985, honors and rewards Marietta College faculty for exceptional teaching. Edward G. Harness, Class of 1940, was a member of the Marietta College Board of Trustees for more than two decades and served for 15 years as either its chairman or vice chairman. He joined Procter & Gamble upon graduation and rose to become its president and board chairman. This endowment was established by friends and the Procter & Gamble Fund as a means to perpetuate Mr. Harness's vision and to address directly the issues he cared about most: building the endowment of his alma mater and rewarding superior teaching performance.

**The Frederica G. Esbenschade Memorial Fund** provides annual income for the purpose of bringing lecturers, performing artists, or programs of diverse natures to the campus for public appearances. The endowed fund was established in 1980 by Harry H. Esbenschade Sr., and Harry H. Esbenschade Jr., husband and son, respectively, of the late Mrs. Esbenschade of Uniontown, Pennsylvania.

**The George M. Gadsby Fine Arts Fund**, created in 1966 from a bequest of Mr. Gadsby, of Salt Lake City, Utah, provides endowment earnings for the purpose of bringing distinguished artists, performers, and lecturers to the campus. Mr. Gadsby was a graduate in the Class of 1906 and a trustee of the College.

**The Stone Family Fund** was established in 2001 by Dr. Dwayne D. Stone, Professor Emeritus of Geology, in honor of his father, Dwight H. Stone, D.O., his mother, Hazel G. Stone, and his brother, Dwight H. Stone, Jr., M.D. The purpose of this fund is to provide financial support for Marietta College. The income from this fund is to be shared equally between Legacy Library and the College's Board of Trustees, and expended as each recipient designates. (See also Library Funds.)

## Endowed Scholarships

The following scholarships are funded through grants and bequests placed in the permanent endowment fund of the College (or in separate trusts) and annual gifts by the alumni and friends of the College. Their annual income is used to provide assistance to students with financial need and/or scholastic achievement as described.

**The Adamson-Flesher Scholarship** was established in 1968 by the late Drs. William Ray and Marie Adamson Flesher, graduates of the College in the Classes of 1930 and 1927, respectively, and both honorary degree recipients in 1968. Income from the fund provides awards to selected students preparing for the field of public school teaching, and whose academic standing is in the upper 10 percent of the junior class with reasonable participation in college-approved campus activities. Recipients shall be known as Adamson-Flesher Scholars. The fund is in memory of the donors' parents: John Everett and Belle Berentz Adamson and Arthur Boreman and Susan Smith Flesher.

**The Maydell Alderman Scholarship Fund** was established in 1982 from a bequest by the late Miss Alderman in order to assist residents of Morgan County, Ohio, who are full-time students at the College. Miss Alderman was a resident of McConnelsville, Ohio.

**The Alumni Memorial Scholarship Fund** was established in 1976 by the Alumni Council with an initial bequest from Howard E. Beebout of the Class of 1925. Income from the fund is to aid worthy and needy students.

**The J. Lawrence Amos Scholarship** was established in 1984 by the late Dr. J. Lawrence Amos, Class of 1928, of Midland, Michigan. Dr. Amos was granted an honorary Doctor of Science degree by Marietta College in 1966. The income from this fund is used to aid worthy students.

**The Mary Jane Sherrard Amos and Charles R. "Dick" Amos '59 Scholarship Fund** was established in 2001 by friends of Mrs. Amos and her husband Dick Amos, the first person to graduate from Marietta College while attending evening classes and receiving a B.A. degree in Business. The income from this scholarship is to be awarded annually to a non-traditional student in the Continuing Education program or its equivalent. First preference is given to residents of Wood County, West Virginia; second preference to residents of Washington County, Ohio.

**The Mary Jane and Charles R. (Dick) Amos '59 Endowment** was established by Dick Amos in 2004 to assist new or current students with the purchase of text books. The grants will be administered by the Financial Aid office to students who have demonstrated financial need.

**The Mark R. Amstutz Memorial Scholarship Fund** was established in 1976 by the A-F Scholars Club (recipients of the Adamson-Flesher Scholarships), with the encouragement and financial assistance of the late Dr. Marie Adamson Flesher and her husband, the late Dr. William Ray Flesher, graduates of the College in the Classes of 1927 and 1930, respectively. Mr. Amstutz was a member of the A-F Scholars Club and the Class of 1977. Annual income from the fund provides a scholarship for a man or woman of the junior class. Selection of the award recipients shall be made by the College's Department of Education. Recipients must be in the upper one-third of the junior class who are preparing to teach at the elementary level, with reasonable participation in College-approved campus activities of other than a purely curricular nature.

**The Alice Coffin Arnold Fund** of 1987 was left by Mrs. Arnold, of Lakeside, Ohio, to be used for student scholarship or loan purposes.

**The Gertrude Griffin Babb Scholarship Fund** was established in 1975 by the late Wiggs N. Babb and Gertrude Griffin Babb of Dallas, Texas. It memorializes Mrs. Babb, Class of 1908. Income from the fund is used to assist worthy and industrious students.

**The Bank One, Marietta, N. A., Scholarship Fund** was established by that firm under its former name in 1985. Income provides scholarships for Marietta area high school graduates attending the College.

**The David A. Bartlett Memorial Scholarship Fund** was established in 1975 through gifts of relatives and friends of this long-time trustee (1956-1975) and generous benefactor of Marietta College. Income from the fund is to provide scholarships for needy and worthy students majoring in petroleum engineering.

**The William M. Batten Endowed Scholarship Fund** was established in 1979 by Mr. Batten, a native of Reedy, West Virginia, and an honorary alumnus of the College in the Class of 1965. The endowed fund provides scholarships for worthy and needy students.

**The David E. Beach Memorial Scholarship Fund** was created in 1977 from contributions from the family and friends of this Marietta College alumnus of the Class of 1923. He was a son of Professor Arthur G. Beach, who taught English literature at the College for 21 years. Income from this endowed fund is used to aid worthy Marietta students.

**The David Edwards Beach Memorial Scholarship Fund** was established in 1999 by Arthur J. and Gracie Beach of Columbus, Ohio, and Walter E. Beach of Washington, DC. Prof. David Edward Beach was the Chair of Moral and Intellectual Philosophy at Marietta College from 1869 to 1888. He was the father of Arthur Granville Beach, professor at Marietta College who wrote *A Pioneer College: The Story of Marietta*. The purpose of this fund is to provide scholarship assistance to an outstanding junior or senior student with a major in the Humanities (English, Philosophy, Religion, or Modern Languages).

**The Martha Stewart Daker Bedilion Memorial Scholarship Fund** was established in 1972 by Mr. and Mrs. Charles L. Barrett and the late Mr. John W. Daker, the brother-in-law, the sister, and the brother of the late Mrs. Bedilion, a 1922 graduate of Marietta College. Mrs. Bedilion served the College in various capacities from 1951 to 1966, first in the Admissions Office and later in the office of the Dean of Men. Income from the fund is to be used to aid worthy Marietta College students.

**The Harry H. Beren Scholarship Fund** was established in 1990 under the will of the late Mr. Beren of Marietta, Ohio, in memory of Adolph Beren, Class of 1918, and in honor of Israel Henry Beren, Class of 1926. The fund income is to be used for worthy and needy students in the Edwy R. Brown Department of Petroleum Engineering.

**The Louise Clark Bethel Mathematics and Science Scholarship Fund** was established in 1991 by Mrs. Bethel, Class of 1925, a retired school teacher. The income from the fund provides tuition, fees, and books for seniors at Marietta High School who rank high in mathematics and science and would not otherwise be able to attend Marietta College.

**The William Bruce Blackburn Memorial Fund** was established in 1974 by his widow, Frances, emerita assistant professor of English at Marietta College, and their three sons, Alan, Douglas, and James, each an alumnus of the College. Professor Blackburn (1903-1968) taught psychology at Marietta College for more than 40 years and served as chairman of the department. Income from the fund is to be used to aid a worthy junior or senior psychology major who has demonstrated ability in quantitative methods.

**The George W. Blymyer Scholarship Fund**, established in 1949 by a bequest from the estate of George W. Blymyer, Jr., Class of 1893, provides an annual grant of \$500 preferably to a member of the senior class in any high school in Richland County, Ohio. However, the award may be made to other Ohioans if there is no candidate from that county. The grant will be renewed each year so long as the recipient maintains a B average.

**The Alan Adrian Hardwick Boggs Scholarship Fund** was established in 1998 by Alan D., Class of 1951 and Susan Boggs, in memory of their son Alan. The fund is to provide assistance to a deserving student pursuing a Bachelor of Science Degree in Petroleum Engineering with a

preference to be given to a fourth-year student with the highest grade-point average in the humanities.

**The Edward N. Bonnett Memorial Scholarship Fund** was established in 1984 with a gift from R. Steven Bonnett, a graduate of the Class of 1968 and son of the late Mr. Bonnett. The income from the fund is to provide scholarship aid to worthy and needy students from West Virginia.

**The Jules Bourmorck and Julia Bourmorck Staats Memorial Scholarship** was established in 1989 by Julia B. Staats, Class of 1944 and Alfreda B. Rhoades, sisters of Mr. Bourmorck, and by Howard M. Schmidt, a friend, to provide scholarship support to a worthy and deserving junior or senior student majoring in the Department of Business & Economics. Mr. Bourmorck was a graduate of Marietta College in the Class of 1948.

**The Francis D. Boyle Scholarship Fund** was established in 1989 by the will of his widow, Hildreth M. Boyle of Boca Raton, Florida, in memory of her husband, Class of 1919. The income from this fund is given annually to one or more students to partially support their attendance at Marietta College.

**The Robert L. Brace Memorial Scholarship** was established in 1988 under the will of the late Mr. Brace, Class of 1955, of Montgomery, Texas. Administered by the Department of Petroleum Engineering, the income from the fund provides assistance to a deserving undergraduate student majoring in petroleum engineering.

**The Clarence (Cab) and Frances Melton Britton Memorial Scholarship** was established in 2001 by the estate of Clarence Britton '36. The scholarship may be awarded to a sophomore, junior or senior undergraduate student majoring in a discipline offered in the Department of Business & Economics or the Department Petroleum Engineering. Recipients must have and maintain a GPA of 3.0 or higher. Preference will be given to a student from Kanawha County, West Virginia, the city of Marietta, or any other county of West Virginia.

**The Carl L. Broughton Scholarship** was established in 1996 by the McDonough Foundation in Parkersburg, W.Va. The annual income from the fund provides scholarships to students who have completed their first semester at Marietta College, have successfully completed their first leadership course, and have been accepted into the Leadership Program. The goal of the scholarship is to encourage superior students to enter the world of business and participate in programs for business through the McDonough Center for Leadership and Business. The scholarship honors Carl L. Broughton, retired chairman of the board and chief executive officer of Broughton Foods Company in Marietta. A member of the College's Board of Trustees for 40 years, Mr. Broughton served as its vice chairman and chairman and helped raise more than \$20 million for the institution as chairman of three major fund drives. He received an honorary Doctor of Laws degree from the College in 1975, and was elected Trustee Emeritus in 1990. Mr. Broughton died in 1996.

**The Carl L. and Elizabeth Broughton Scholarship** was established in 1980 by Mr. Broughton, a longtime member of the Board of Trustees, and Elizabeth Sugden Broughton, Class of 1934, his wife. The annual income from the fund provides scholarships for students who are Ohio or West Virginia residents. Qualities of scholarship, leadership in extracurricular activities, and/or financial need will be considered when making the awards.

**The Ellen Buell Cash Scholarship** was created by a bequest from Ellen Buell Cash, Class of 1926, noted children's book editor. The award is to provide scholarships to current students in financial need.

**The Wen-Yu (Frank) Cheng Scholarship** is awarded to the rising senior student majoring in the Department of Business & Economics with the highest cumulative grade point average. The recipient need not demonstrate financial need. The scholarship fund was created in 1998 by alumni to honor Professor Emeritus Wen-Yu "Frank" Cheng.

**Gifts from the Classes of 1929, 1934, 1936, 1959 and 1974** created a fund, the income from which is used to provide scholarships for Marietta College students.

**The Class of 1964 Scholarship Fund** was established in 1989 in recognition of the 25th reunion of the class. The income from the fund provides scholarship support for worthy and needy students.

**The Sherrill and Betty Cleland Scholarship Fund** was established by personal gifts from the College's trustees in honor of the decade (1973-1983) of service to the College by President and Mrs. Cleland as of the time of the fund's creation in 1983. Mrs. Cleland died in 1986.

**The Samuel H. and Dorothy Breed Clinedinst Foundation**, established in 1961, provides financial aid for needy and worthwhile students within the amount of income from a trust for such purposes.

**The Emmett Lee and Susie B. Coleman Scholarship Fund** was established in 1975 from a bequest by the late Mrs. Coleman of Corpus Christi, Texas. Mr. Coleman was a member of the Class of 1892. Proceeds of the fund are used to aid worthy and needy students.

**The Robert M. Cunningham Petroleum Engineering Scholarship** was established in 1989 by Jane Cunningham in memory of her husband, Class of 1960, a career employee of Halliburton Services. The scholarship is awarded annually to a junior or senior petroleum engineering major who, in the opinion of a selection committee of three faculty members, including the Department of Petroleum Engineering chair, "best represents the entrepreneurial spirit and creative energy which characterized the founders of the nation's petroleum industry." Grade point average is not a consideration.

**The Marietta Chapter National Society Daughters of the American Revolution Memorial Scholarship** was established in 1996 and was created by the generosity of Miss Rowena M. Holdren who died on July 9, 1977. The award will be given each year in memory of all deceased members of the Marietta Chapter NSDAR who died within the fiscal year. The award for 2003-2004 is given in memory of Helen Lois Blake, Nelma Jean Bowman, and Lillian Spindler Sinclair, Class of 1923. Preference will be given to a deserving woman in her junior or senior year majoring or minoring in history or majoring in secondary education with a major or minor in history and whose hometown is located within Washington, Noble or Monroe County in Ohio.

**The Doy C. Deem Scholarship Fund** was established in 1990 by Mr. Deem, Class of 1952, an oil and gas consultant residing in Wichita, Kansas. Income from the fund is to aid worthy and needy students in petroleum engineering.

**The DeLancey Memorial Fund** was established in 1976 by Mrs. Floy W. DeLancey in memory of her husband, Dr. Blaine Morrison DeLancey, Class of 1923, and their son, Dr. Robert W. DeLancey, a member of the Class of 1947. Both father and son taught English at the university level.

Income from the fund provides scholarship assistance to the outstanding senior majoring in English literature.

**The Cornelius E. Dickinson Fund** was established in 1913 by friends in memory of the late Rev. Dr. Cornelius E. Dickinson, a trustee of the College from 1888 to 1908. Others who have contributed to this scholarship included his grandson, the late Edward A. Metcalf, Class of 1912, from Reverend Dickinson's granddaughter, Miriam Dickinson, Class of 1929, and from his great grandson, Edward A. Metcalf III.

**The Don Drumm Memorial Scholarship Fund** was established in 1968 through the generosity of former students and friends of the late Donald David Drumm, Class of 1915, a longtime professor of physical education and director of athletics at Marietta College. Income from the fund is used to provide aid to a deserving male student.

**The Bob Duggan '59 Distinguished Scholarship** was established in 2005 in memory of Robert D. Duggan, Class of 1959, by his wife, Omaha C. Duggan, son, Michael P. Duggan, Class of 1980, and daughter-in-law, Joanne Edwards Duggan, Class of 1981. The purpose of the scholarship is to provide financial assistance to students majoring in the Department of Business & Economics, who demonstrate financial need, with preference given to students with a grade point average of at least 3.0 (or its equivalent.)

**The Dyer Chemistry Scholarship Fund** was established in 1982 by M. Dean Dyer, Class of 1934, to honor the memory of Professors E. L. Krause and E. B. Krause and the tradition of excellence in teaching in the Department of Chemistry of the College. Recipients must have completed their junior year and be chemistry majors. Annual income from this endowed fund is awarded as a partial tuition grant for the recipient's senior year at Marietta.

**The Gladyne Goddard Dyer Scholarship Fund** was established in 1979 to memorialize an alumna of the Class of 1936. Income from the fund is awarded at the end of each academic year to the Sigma Kappa sorority junior with the highest scholastic rating for the prior three years. The award is a partial tuition grant for the recipient's senior year at Marietta.

**The Dyson Foundation Moral Obligation Scholarship Fund** was established in 1983 by a grant from the Dyson Foundation of New York. Robert R. Dyson, of the Marietta College Class of 1968, is a trustee of the foundation. This endowed fund provides scholarship help based on need. Recipients affirm in writing that they will, in the future, seek to reimburse the fund in recognition of the valuable help they received as students, and be mindful that they can thus help those students who follow at Marietta College.

**The Department of Business & Economics Scholarship** was established in 1973 by members of the department's faculty, alumni, and students in order to recognize outstanding scholarship in those fields. Basis for selection shall be as follows: juniors and seniors who have declared majors within the Department of Business & Economics, who have a cumulative grade-point average of 3.0 or better.

**The Nathan Elbert Eddy and Clara Griffith Eddy Scholarship Fund** was established in 1956 by their children, the late Dr. Bernice Eddy Wooley, Class of 1924; the late Dr. Ralph W. Eddy, Class of 1927; Dr. Ford E. Eddy, Class of 1930; and Mrs. Thelma Eddy Markley, Class of 1932, in memory of their parents. Income from the fund is used for the assistance of worthy and needy students at Marietta College. It is the

desire of the donors that the recipients of these grants make contributions to this fund to the extent that they were helped when they have reached a position where it is possible, and that these gifts be added to the principal so that the amount may grow to greater usefulness and thus serve more and more students in the years ahead.

**The Dr. Ralph W. Eddy Scholarship** was established in 2000 through the estate of his widow, Joyce Eddy for the purpose of providing scholarship support to one or more students at Marietta College. Dr. Eddy was a 1927 Marietta College graduate and was awarded an honorary Doctor of Science degree by the college in 1952.

**The Eggleston-Ekas Scholarship Fund** was established in 1965 by the late Ward Leroy Ekas, M.D., Class of 1920, Sc. D. 1965, and his family. It honors the late Harla Ray Eggleston, head of the Department of Biology from 1915 until his retirement in 1960. The income from this fund is to be used to assist worthy and needy students at Marietta College. It is the desire of the donors that first preference be given to students interested in the study of biology, chemistry, or petroleum in that sequence.

**The Encana Oil and Gas (USA) Inc., Scholarship in Petroleum Engineering** was established by Encana in 2006. This fund will provide scholarship aid to undergraduate students majoring in petroleum engineering. Recipients will be selected on the basis of academic achievement, personal character, and leadership qualities. This scholarship may be renewed as long as the recipient maintains at least a 3.0 GPA and makes satisfactory progress towards his/her undergraduate degree.

**The Beverly Enzie Ellis Alumni Scholarship Fund** was established in 1995 by the Marietta College Board of Trustees as a memorial to a Marietta College alumna who served as a mentor and friend to Marietta students for almost 40 years. Mrs. Ellis, Class of 1955, worked in Marietta's admissions office during her student days and continued on after graduation. In her role as admissions counselor and administrator, her first concern was always for the students and their success at the College. A member of Chi Omega sorority, she served as its advisor and was an active member of the First Presbyterian Church in Marietta. Mrs. Ellis died October 21, 1993. The fund will provide one full and two half scholarships each year for Marietta College legacies that are full-time freshmen.

**The Brooks F. and Alice Gilman Ellis Memorial Scholarship Fund** was established in 1979 to provide assistance for worthy and needy students, first preference going to those who are residents of West Virginia. The fund memorializes Dr. Ellis and his wife, both residents of West Virginia at the time of their deaths in 1976 and 1977, respectively. He was a member of the Marietta College Class of 1923 and received an honorary Sc. D. degree from the College in 1953 in recognition of his worldwide reputation as a geologist and micro-paleontologist. Funds to establish this scholarship were made possible by Energy Resources Guild Inc., Tucson, Arizona, through the efforts of Weldon C. Humphrey Jr., president.

**The C.B. Erwin Scholarship** was provided through a bequest of Mr. Erwin. The scholarship is intended to provide assistance to worthy and needy students.

**The John H. Evans Memorial Scholarship Fund** was established in 1978 by his widow, Mrs. Jane Evans, the Fenton Art Glass Co., where

Mr. Evans worked for 22 years, and by relatives and friends. Mr. Evans was a member of the College's Board of Fellows at the time of his death. Income from the fund is used for needy and worthy students from western Pennsylvania who attend Marietta College.

**The Fenton Art Glass Scholarship Fund**, established in 1958 in honor of Frank L. Fenton, founder and president of the Fenton Art Glass Co. for over 40 years, is to be used for scholarships for sons and daughters of employees of that company. Recipients will be known as Fenton Scholars.

**The John Fassett Follett Memorial Fund**, established in 1957 by the will of Wanda Follett Granger in memory of her father, John Fassett Follett, valedictorian of the Class of 1855, provides one partial tuition scholarship awarded annually.

**The Dorothea and Henry Fischbach Scholarship Fund** – The purpose of this fund is to provide incentive to a freshman at Marietta College who may rank in the lower academic quadrant of the incoming class. The recipient should have the potential to have a successful college experience, but may be ranked lower in the admitted class due to extenuating circumstances. This profile mirrors the experience of William C. Jones '72 (a.k.a. "Zep"), who given the opportunity, fulfilled his academic potential to complete his college degree. William C. Jones '72 established the scholarship in 2005 in honor of his late mother and late stepfather

**The Harold H. Full Memorial Scholarship Fund**, established in 1977 by Theodore N. Williams, a friend of the honoree, provides scholarship support to worthy and needy graduates of Dr. Full's alma mater, Parkersburg (W. Va.) High School. Dr. Full, a professor of education at Queen's College of the City University of New York at the time of his death in 1970, was a graduate of Marietta College in the Class of 1944.

**The Valdis and Missy Hall Garoza Scholarship Fund** was created in 2000 by Douglas C. Greene, Class of 1962. The fund honors Professor of Art, Valdis Garoza, and his wife, Missy, Class of 1994, and recognizes their dedication and personal involvement with the Classes of 1999, 2000, 2001 and 2002 in the students' initiative which successfully resulted in the construction of The Gathering Place student recreation center, dedicated February 2000. The purpose of this fund is to provide financial assistance to needy and worthy students majoring in Art, Graphic Design, or Art History.

**The General Electric College Bowl-BP America Scholarship** was established in 1966 from winnings earned by Marietta's team on the network television show G. E. College Bowl. The television winnings were matched by the Standard Oil Company of Ohio, now BP America.

**The Hans Gilde Scholarship Fund** was established in 1992 by the former students of Dr. Hans Gilde, who taught organic chemistry at Marietta College from 1961 until his retirement in 1992. Income from this endowed fund is awarded as a partial tuition grant to the chemistry, biology, or petroleum engineering major who is the most deserving organic chemistry student and who has demonstrated leadership.

**The Bert T. Glaze Scholarship** recognizes pre-professional achievement by a rising junior or senior student majoring in the Department of Business & Economics. The recipient must have a minimum cumulative grade point average of 3.2 and have demonstrated a commitment to the business field within and outside the classroom, but need not demonstrate financial need. The scholarship fund was created in 2000

by alumni to honor the late Bert T. Glaze, Professor of Economics from 1966 to 1986.

**The Goodhue Scholarship Fund** was established in 1995 by Sarah Goodhue Cunningham, Class of 1935, Phi Beta Kappa, to aid needy and worthy students. A member of Chi Omega sorority at Marietta, Mrs. Cunningham received her master's degree in education from The Ohio State University and taught in Marietta City Schools. She later became a published, innovative Director of Elementary Education for Orange School District in the suburbs east of Cleveland. She and her late husband, Leslie Gordon Cunningham, were inveterate world travelers and lived in Burlington, Ontario, and Niagara-on-the-Lake, Ontario. The fund recognizes the debt owed to Marietta College by Ralph A. Goodhue, Class of 1899, his wife Clara Cisler Goodhue, and their three alumnae daughters.

**The J. Ryan Graham Memorial Scholarship Fund** was established in 1984 by Daniel and Jean Graham, parents of Ryan, a student at Marietta College until his death in 1983. Income from this fund is to provide financial assistance scholarships to worthy and needy students from Washington County, Ohio, with particular emphasis on deserving graduates of Marietta Senior High School, Ryan's alma mater.

**The Hudson S. '63 and Marilyn Melick '64 Green Scholarship** was created in 2004. Mr. and Mrs. Green met as students at Marietta College in 1961. In addition to Mr. and Mrs. Green, three members of their immediate family are also graduates of the College. Annual income from this fund provides financial assistance for a first-year student at Marietta College who intends to pursue studies in the humanities or the sciences. The award may be renewed each year as long as the student maintains satisfactory progress toward graduation within five years.

**The Gordon B. Gray Fund**, the income from which helps worthy students attend Marietta College, was created from gifts by Judge Gordon B. Gray of Athens, Ohio, Class of 1928. First preference in awarding assistance from this fund is given to prelaw students.

**The Great Teachers Scholarship Fund** was established by a friend of the College in 1979 to honor present and former teachers at Marietta by providing funds to aid worthy and needy students. Recipients of the award are encouraged to make contributions to the fund when they have reached a position to do so, that the fund may grow and thus aid more and more students.

**The Douglas C. Greene Scholarship** was established in 1995 and is designated for worthy and needy students pursuing interests in entrepreneurship during the course of their education at Marietta College. Mr. Greene, a 1962 graduate of Marietta, where he received both a B.A. and B.S. degree in Business Administration, has been a highly successful entrepreneur during his career. The scholarship is awarded annually to students majoring in the Department of Business & Economics.

The American Association of University Women provides the **Ethel Straw Guthrie Scholarship** in the amount of \$2,000 to be used for the partial tuition of a senior woman who in the judgment of a special College AAUW committee has exhibited scholastic achievement, real intellectual interest, and leadership qualities.

**The Raymond G. Guthrie Education Scholarship Fund**, established in 1977 from gifts of former students, friends, and family, honors Professor Guthrie who taught in and headed the Marietta College

Department of Education from 1927 until his retirement in 1965. Income from the fund is used to assist worthy and needy students in the junior class preparing to teach in the public schools.

**The Allan C. Hall Memorial Fund** was established from memorial gifts to the College by members of Mr. Hall's family and his friends, following his death in 1967. A member of the Class of 1911, Mr. Hall served as a trustee of the College from 1938 to 1960 and thereafter as an emeritus trustee. In 1948 the College awarded him an honorary degree. Income from the fund provides scholarship help to upperclassmen, preferably seniors, who intend to study medicine.

**The William D. and Dorothea L. Hartz Scholarship.** Robert B. Hartz '69, created this scholarship in 1988 to honor his parents, William D. and Dorothea L. Hartz. The honorees were longtime residents of Glenshaw, Pennsylvania. Annual income from the fund provides assistance to a junior or senior with a cumulative grade point average of 3.0 or better and demonstrated financial need.

**The Hohman Scholarship Fund** was established in 2001 by former students of Professor William H. Hohman. Initiated by Dr. David G. Stockwell, Class of 1969, the purpose of this fund is to provide an academic scholarship for a second or third year chemistry or biochemistry major based on his/her performance in the introductory chemistry courses. Dr. Hohman taught chemistry at Marietta College from 1965 to his retirement in 2001.

**The Lawrence M. Howard Memorial Scholarship Fund** was established in 1985 by family and friends of Mr. Howard, Class of 1941, whose lifelong writing and journalistic career spanned 44 years. Mr. Howard began his writing career in 1941 as a reporter for a Vermont newspaper, later working three years for a U.S. Army newspaper during World War II, and following the war, returning to Vermont where he held reporting and editing positions at two newspapers. In 1954 he joined the Providence (R.I.) Journal Bulletin as a reporter, and in 1966 became state news editor, advancing in 1971 to associate managing editor, the position he held at the time of his death. He was an officer and member of the board of directors of the New England Society of Newspaper Editors (NESNE), and since 1982 was actively involved in NESNE Soviet Union journalist exchange conferences to promote better understanding between the United States and the Soviet Union. The scholarship recognizes Mr. Howard's lifelong commitment to the liberal arts and to excellence in creative and journalistic writing. The scholarship is open to juniors and seniors majoring in any subject who must apply by submitting a portfolio of writing samples to a committee composed of faculty from the English Department and at least two outside professional writers, one being an established creative writer and the other a seasoned journalist. The scholarship will be awarded entirely on writing merit without regard to financial need. Donors would appreciate recipients of the grant making contributions to this fund principal when possible so that the amount will grow and serve more students in future years.

**The Donald C. Hubbard and John R. Henning Scholarship Fund** was established in 2003 in honor of Marietta College graduates Donald Hubbard, Class of 1950, and John Henning, Class of 1956, by Columbia Natural Resources LLC, of Charleston, WV. The purpose of this fund is to provide financial assistance to a student majoring in Petroleum Engineering or Geology at Marietta College with demonstrated financial need and in good academic standing.

**The Hunter Freshman Scholarship Fund** was established in 1966 by the will of the late Mrs. Essie W. Hunter of Columbus, Ohio, whose first husband, Ezekiel Wallace Patterson, was a graduate of the College in the Class of 1885. Income from the fund is to aid a worthy freshman student from the area served by the College.

**The W. Bay Irvine, Freda Canfield Irvine, and Mabel Mae Canfield Memorial Scholarship Fund** was established in 1985 under the will of Miss Canfield. She designated that it be used to assist worthy and deserving students. Dr. Irvine, a member of the Class of 1917, was the 12th president of Marietta College, serving from 1948 to 1963. His wife, Freda Irvine, sister of Mabel Canfield, completed her Marietta College degree in 1947. Dr. and Mrs. Irvine preceded Miss Canfield in death. The latter was a longtime public school teacher in Ohio.

**The J. Glover and Mary Johnson Memorial Scholarship Fund** was created in 1985 under the will of Dr. Johnson, professor of religion and philosophy at the College from 1946 to 1972. He stipulated that students with financial need be aided.

**The John and Dianne Brock Krahnert Scholarship** was established in 2003 by John and Dianne Brock Krahnert, Class of 1955. Income from the fund provides financial assistance to a deserving freshman student who has an interest in theatre. This award is renewable provided that the recipient maintains a minimum grade point average of 2.50 and is making normal progress toward completion of his/her degree in no more than five years.

**The Ellis L. and Jennie Mae Krause Memorial Scholarship Fund** was established in 1975 from gifts of former students, friends, and the family of Professor Ellis L. Krause, who taught chemistry at Marietta College from 1916 until his retirement in 1955. During most of that period he was head of the Department of Chemistry. Income from the fund is used to assist worthy students majoring in the disciplines of chemistry, physics or related sciences.

**The Beatrice A. Kremer Memorial Scholarship** is awarded to a man or woman of the junior class who, in the judgment of the Department of English faculty, has compiled a distinguished record in English courses at Marietta College. Preference in selection is given to English majors who plan to teach that subject following graduation. Established in 1970, the scholarship is in memory of Miss Beatrice A. Kremer, Class of 1930, who taught English in the Marietta public schools for more than 40 years. Original donors were her nephews: the late James F. Kremer, Class of 1935; Richard P. Kremer, Class of 1939; and Dr. Frederick J. Kremer, Class of 1943.

**The Lesh Laurie Scholarship Fund** was established in 1983 in memory of Josephine E. Lesh and Bessie H. Laurie, the respective mothers of the donors, Dr. Georgia E. Lesh Laurie, Class of 1960, and William F. Laurie. Income provides scholarships annually to a student or students in the sophomore through senior classes who plan careers in the health sciences.

**The Gill M. Lindamood Memorial Scholarship** was funded by his son, Ralph M. Lindamood '46, and his nephew, Robert L. Lindamood '55. The award is given to a returning sophomore, junior, or senior student who demonstrates academic excellence and financial need.

**The Ralph M. Lindamood Scholarship** recognizes the service to the College by the late Mr. Lindamood, associate professor of physical education (1964-1984) and crew coach (1959-1984) who retired in 1984.

Former students, crewmen, and friends created a fund from which educational assistance may be made annually in the spring semester to a member of the men's crew and a member of the women's crew in equal amounts. Recipients are to be participating in crew during the semester that assistance is given.

**The Hal H. Lloyd Science Scholarship Fund** was established in 1965 by the will of the late Mrs. Lloyd in memory of her husband, the Rev. Hal H. Lloyd of Marietta. Income from the fund is used to assist needy students in the sophomore through senior classes who are working toward a major in one of the science departments.

**The Lloyd Student Fund** was established in 1966 from a bequest of Mrs. Myrtle Lloyd Lewis, of St. Petersburg, Florida, whose father, Rhys Rees Lloyd, was a graduate of Marietta College in the Class of 1884. Income from the fund provides scholarship assistance to worthy students. It was the desire of Mrs. Lewis that the recipients of these scholarships make contributions to this fund to the extent that they were helped when they have reached a position where it is possible, and that these gifts be added to the principal so that the amount may grow to greater usefulness and thus serve more and more students in the years ahead.

**The Ronald L. Loreman Scholarship in Theatre Arts** was established in 2005 by members of the Theatre Advisory Board, other alumni and friends of the College. The scholarship honors Ronald L. Loreman, Emeritus Professor of Communication and Theatre, who taught at the College from 1960 until his retirement in 2004. The purpose of the scholarship is to provide assistance to rising junior or senior students who have demonstrated worthy contributions to the theatre program and show potential for theatre as a profession. Selection of recipients shall be recommended by the faculty members of the Theatre Department.

**The Harold and Constance Luther Scholarship Fund** was established in 2000 by Kenneth M. '60 and Carol Pitzer Luther to honor his parents, Harold and Constance Luther. The purpose of this fund is to provide scholarship aid to worthy and needy students from the Greater Cincinnati-Northern Kentucky area.

**The MacTaggart Special Scholarship Fund**, given to the College in 1951 by the late Edward MacTaggart, Class of 1892, a former trustee, is used for needy, worthy, and all-around men.

**The Minnie Magee Scholarship Fund** was established in 1984 by Mrs. Magee, a longtime resident of Marietta who attended many cultural and educational events at the College. Income from the fund provides a single scholarship each year for worthy and deserving students with grade point averages between 2.0 and 2.9.

**The Joseph and Elizabeth Forgas Mancuso Memorial Scholarship Fund** was established in 1987 through a trust created by the late Mr. Mancuso, Class of 1930. Income from this fund provides assistance to needy students from eastern Ohio.

**The Manley Memorial Scholarship** was established in 1982 to assist worthy and needy juniors or seniors whose major field is in the humanities. The endowed fund was begun with a gift from Lucia Manley Hymes, Class of 1927, in memory of her brother Edward B. Manley, Class of 1926, and her father, Joseph Manley, who was a member of the faculty for 44 years (1893-1937). Professor Manley came to the College with an A.B. degree in the classics from Harvard and a distinguished

record in college athletics. His first assignment at Marietta was to teach Greek and coach the football team. His later teaching years were devoted to history and political science, notably the history of Lincoln and the Civil War. He was Dean of the College from 1910 to 1916 and was acting president 1912-1913. At his retirement in 1937 the College awarded him an honorary L.L.D. degree.

**The Susan Marsch Scholarship** was established to provide scholarship assistance to graduates of Washington State Community College to complete the baccalaureate degree at Marietta College. Susan Marsch, a 1930 graduate of Marietta College, established the scholarship to pay tribute to her parents, Karl and Anna Schultheis Marsch and her sister, Mary Ann. Susan Marsch taught Business Education in Ohio high schools for 32 years and served as an officer in the United States Coast Guard (WR) for three years during World War II. This scholarship is the Marsch way of extending the helping hand of Christian fellowship to ensuing generations.

**The Miriam Delano Manning Scholarship Fund** was established in 1991 by the brothers, sisters, family, and friends of the late Dr. Manning, Class of 1930, whose career culminated at the oncology center of Children's Hospital in Boston. Income is awarded annually to either a worthy and needy junior or senior female in premedical studies.

**The Richard W. Mason Memorial Scholarship Fund** was created in 1988 by his late parents, Clesson E. Mason, Class of 1917, and Eva Withington Mason. Lt. Richard W. Mason was a casualty of World War II.

**The Wilbur D. Matson Scholarship Fund** was established in 1966 by a bequest of Mr. Matson, publisher and editor of the Morgan County Herald at McConnelville, Ohio, for many years, and an honorary alumnus of the College in the Class of 1964. Income from the fund provides scholarships for students from Morgan County, Ohio. Recipients are selected on a basis of character, scholarship, ability, and need.

**The J. Robert McConnell and Abigail Welch McConnell Scholarship Fund** was established in 1980 by a bequest from Mr. McConnell, a member of the Class of 1917, a native of nearby Macksburg, Ohio, and a resident of Wooster, Ohio, where he was a businessman. Income from the fund is to be used to aid worthy and needy students. First preference is to be given to premedical students.

**The John G. and Jeanne B. McCoy Scholarship Program** was endowed in 1998 by John G., Class of 1935 and Jeanne B. McCoy to promote and recognize outstanding academic ability and achievement in an incoming freshman student. The award includes tuition, fees, room, board, and a computer, and is renewable for four years.

**The Vernon E. "Dan" McGrew Scholarship Fund** was established in 1994 by the Marietta College Board of Trustees as a memorial to an alumnus and long-time administrator at the College. McGrew, Class of 1949, served his alma mater for 38 years as college editor, part-time faculty member, fund raiser, secretary to the Board of Trustees, and secretary of the College. When he retired in 1990, the Board recognized his devoted service by naming him an honorary trustee. McGrew also authored a volume of College history (1935-89) *In the Various Branches of Useful Knowledge* published in 1994. The McGrew Scholarship is designated for needy and worthy Marietta College students studying in the Department of Mass Media.

**The Joseph Green McMurry Scholarship Fund** was established by a bequest of Mr. McMurry in 1980 in honor of his sister, Vera L. McMurry of La Jolla, California, who was a high school teacher of English in Minnesota, Montana, and California for almost 35 years. Income from the fund provides an annual scholarship with first preference being the outstanding member of the junior class preparing to teach in the field of English.

**The Joseph Green McMurry and Vera Lucille McMurry Scholarship Fund** was set up by the late Miss McMurry in a trust agreement in 1984. She directed that the fund be used to provide scholarships for worthy Marietta students who could not otherwise finance their education. The fund memorializes her and her brother. She was a Marietta College graduate in the Class of 1905 and taught school for many years. The Vera L. McMurry Scholarship Fund of 1984 was a provision of the will of Miss McMurry, Class of 1905, of La Jolla, California, who left a sum in memory of George W. and Molly Griffin McMurry, the parents of Vera L. and her brother, Joseph G. McMurry. Annual income from this fund is awarded as a scholarship to the member of the junior class selected to Phi Beta Kappa. (In the event no junior is so selected, the award is to go to the junior with the highest grade point average in the junior year.)

**The Florence Gross Morgan Memorial Scholarship Fund** was established in 1967 by the late Dr. Charles S. Morgan, a member of the College faculty from 1914 to 1916, in memory of his wife, Class of 1911. Income from the fund provides a partial tuition scholarship each year to a student who intends to study or is studying in the field of the fine arts at the College.

**The Sarah Ethel Musgrave Scholarship** was established in 1968 by a bequest from the estate of Sarah Ethel Musgrave, Class of 1920, of Parkersburg, West Virginia. Recipients are from Wood County, West Virginia.

**Jane Evert Nast and Edith Nast DeClaude Scholarship Fund** was funded by Philip H. Nast, Class of 1949, in memory of his wife, Jane, and his sister, Edith. Originally established in 1982 as the Philip and Hilja Nast Scholarship, the purpose of this fund is to provide scholarship assistance to students who demonstrate financial need.

**Lester E. '37 and Virginia M. Noe '37 Scholarship** was established in 2008 through a trust established by Mr. and Mrs. Noe. Their goal was to provide encouragement and assistance to academically superior students who might not otherwise be able to attend Marietta College. Preference for receipt of the scholarship will be given to academically superior students majoring in English or in a pre-law track who are entering their junior or senior year. Recipients must have demonstrated financial need.

**The Walker H. Nye Memorial Fund**, established by the widow, Mrs. William H. Bemis, of Shaker Heights, Ohio, and friends of the late Walker H. Nye, Class of 1910 and trustee of the College from 1942 until his death in 1955, provides a partial tuition scholarship for a worthy student. Preference will be given to students from the Cleveland, Ohio, area.

Established in 2008 by their children, the **Drs. James and Mabry O'Donnell Scholarship** honors two individuals who have been Marietta College faculty members for over 30 years. This scholarship recognizes the O'Donnell's dedication to teaching excellence. Over the years Jim and Mabry have taught, counseled and advised hundreds of Marietta College students. Now successful adults, many of these alumni keep in touch with Jim or Mabry (or both of them) because they value them as mentors and friends. In their work, Jim and Mabry O'Donnell have continually fostered and enhanced the spirit and tradition of excellence in learning that has always identified Marietta College. Recipients must be majoring in History or Communication and have demonstrated financial need. Incoming freshmen must have a high school GPA average of 3.5 on a 4.0 scale; upperclass students must hold a minimum GPA of 3.25 on a 4.0 scale. Scholarships may be renewed annually.

**The Edward H. Osborne Scholarship Fund** was initiated in 2001 by Timothy Cooper, Class of 1973 and his wife Sue to honor Professor Edward H. Osborne. Professor Osborne has taught Management and Accounting courses at Marietta College since 1971. The purpose of this fund is to provide an academic scholarship for students majoring in Accounting.

**The Mrs. Clyde H. (Maude Booth) Pape Scholarship Fund** was established in 1967 through a gift to the College's Endowment Fund from Mrs. Pape of Tulsa, Oklahoma. Income from the principal provides scholarship assistance for worthy and needy students of the College.

**The James Brown and Emily Hiner Parke Memorial Scholarship Fund** was established in 1991 from a bequest by these friends of the College. Income from the fund is to aid worthy students.

**The Merrill Reeves Patterson Scholarships**, annual awards of up to \$1,000 each, are made to five worthy and needy students from the junior and/or senior classes who have demonstrated the qualities of scholarship, service, and leadership exemplified by Dr. Patterson during his 38 years of service to Marietta College, 1934 to 1972. The designation honors Dr. Patterson, who taught English throughout the period and was academic dean of the College from 1948 until 1967. He was director of academic advising from 1968 until his retirement in 1972. The scholarships were established in 1976.

**The Peoples Bank Scholarship Fund** was established by that Marietta firm in 1985 to provide scholarships for worthy and deserving students.

**The Marian Waters Perkins Memorial Scholarship Fund** was established in 1982 under the will of Eulas E. Perkins, her husband. She was the granddaughter of Israel Richmond Waters, Class of 1845. Income from the fund provides one or more scholarships to needy and worthy students.

**The Jane McCoy Peterson Memorial Scholarship** was established by Mrs. Peterson's daughter Dorothy (Darcy) Peterson Fowler and her husband Mark Fowler. The Fowlers wished to create a lasting memorial to Mrs. Peterson that would benefit students attending Marietta College. Recipients must have graduated from high school with grade point averages of no less than 3.25 on a 4.0 scale and major in an undergraduate program of study at Marietta College. Scholarships are renewable provided the recipients maintain at least a 3.0 GPA and make satisfactory progress toward an undergraduate degree.

**The Jacob W. and Carol Strachan Pfaff Scholarship** was established in 1986 by Jacob Pfaff, Class of 1936, and Carol Strachan Pfaff, Class of 1938, of Marietta. Income from the Pfaff fund is awarded annually as scholarships to students who exhibit qualities of leadership and academic achievement and/or financial need. The Pfaff Scholarships are awarded without regard to major field of study or place of residence.

**The Clark R. Pigott Scholarship Fund** was established in 1972 by Mrs. Bobbie R. Pigott of Wichita, Kansas, in memory of her late husband, who attended Marietta College with the Class of 1917. The income from the fund is devoted each year to scholarships for deserving students, particularly those who have football or other athletic abilities and participate in the intercollegiate programs of the College.

**The Jack E. Prince Academic Merit Scholarship Fund** was established in 2001 by a member of the Marietta College Board of Trustees and his wife, Eric S. Dobkin, Class of 1964 and Barbara Berman Dobkin, Class of 1965. The scholarship honors Emeritus Professor of Economics Jack E. Prince, who taught at Marietta College from 1954 until his retirement in 1985. The purpose of this fund is to provide an annual award to an entering freshman student. The scholarship will be renewed for up to three additional years provided that the recipient maintains at least a 3.0 grade point average (or its equivalent). The recipient need not demonstrate financial need.

**The Jack E. Prince Scholarship Fund** was established in 1985 by friends and former students of Professor Prince who taught in the Department of Business & Economics at the College from 1954 until his retirement in 1985. Income from the fund will be awarded to those students majoring in the social sciences who by their junior year have been active in student government and/or other services to the College community.

**The David Putnam Memorial Scholarship Fund**, established in 1971 by the late Miss Hazel Putnam Roach of Athens, Ohio, and the late Mrs. Aldine (Wescott) R. Flegal of Zanesville, Ohio, is available for general scholarship aid. The fund honors David Putnam (1769-1856), the first preceptor of Marietta's Muskingum Academy, and the great-grandfather of the donors.

**The Douglas Putnam Fund**, established in 1953 by Douglas Putnam, valedictorian of the Class of 1881, is available for general scholarship aid. The fund honors Douglas Putnam (1806-1894), grandfather of the donor and secretary of the College trustees for 60 years.

**The Renner Scholarship**, established in 1986, memorializes Lucille Schmidt Renner and Tony E. Renner of Parkersburg, West Virginia. Innovator of the fund is their son, Charles V. Renner, of the Class of 1936. The scholarship is to be awarded to students from Parkersburg High School, Parkersburg South High School, or Parkersburg Catholic High School.

**The Ralph B. and Lena Hardman Richardson Scholarship** was created by Marilyn Hardman Self in memory of her uncle and aunt, Ralph B. Richardson, Class of 1912 and Lena Hardman Richardson, Class of 1914. The award is to provide scholarships to students who demonstrate financial need.

**Rickey Scholarships** are awarded to students interested in physics at Marietta College. Recipients are selected on the basis of excellent academic achievement, and the scholarship is renewable on an annual basis provided the recipient continues to major in physics and maintains a grade-point average of at least 3.000. The award may include a summer study stipend for physics research. The Rickey Scholarships

were established in 2000 by David M. Rickey, Class of 1978 and Jan Nielsen, and the J&D Family Foundation.

**The J. J. Riggs Scholarship Fund** was established in 1981 by Mr. Riggs, Class of 1948. Income from this fund is to provide financial assistance to worthy students from Wood and Pleasants Counties, West Virginia, with particular emphasis on deserving graduates of St. Marys High School, St. Marys, West Virginia, the donor's alma mater.

**The Ford Rinard Memorial Scholarship Fund** – The purpose of this fund is to provide financial assistance to a junior or senior student with a major in the Business & Economics department. Preference will be given to students with demonstrated financial need and without regard to class standing. This fund shall be utilized to benefit students from the Appalachian states of Ohio, West Virginia, Pennsylvania, Kentucky, or the Carolinas.

**The Walter and Joan Rinard Scholarship** was established in their honor in 2001. The scholarship is awarded annually to petroleum engineering students in good academic standing with demonstrated financial need. Income from the fund is intended to provide one or more scholarships to petroleum engineering students.

**The Roberts Fund** was established in 1995 by the will of Anna Elizabeth Roberts Peaker, Class of 1928. Mrs. Peaker was previously a resident of Williamstown, West Virginia, and later lived in DeLand, Florida. Annual income of the fund provides assistance to worthy students of Marietta College, particularly students from Wirt and Wood counties of West Virginia.

**The Galen and Ruth Roush Endowed Scholarship** was established by the GAR Foundation of Akron through a gift to Campaign 150 in 1985, income from which is to be awarded annually to a student or students from the Akron area who need financial assistance.

**The Edward B. Ruby, Leon A. Ruby, Rosalind Ruby, Samuel R. Ruby, and Richard G. Ruby Scholarship Funds** have been established by their parents, Victor M. Ruby, M.D., Class of 1942, and Sonia Bender Ruby of Atlantic City, N. J., honoring their children, who are members of the Marietta College classes of 1967, 1969, 1972, 1972, and 1974, respectively. In the above order of their names, awards are made to deserving students in biology, mathematics, psychology, chemistry/physics, and physical education/sports medicine. Recipients shall have completed a full year at the College. Dr. Ruby is since deceased.

**The Lewis and Marie Ryan Scholarship Fund** was established in 1986 from a trust of the late Lewis D. Ryan, Class of 1922, of Wichita Falls, Texas. The fund's income benefits deserving Marietta College students majoring in mathematics and/or science (or who propose to enter the College to so major), and whose academic standing is in the upper 10 percent of the class, and who, without such financial assistance, might not be able to attend Marietta College.

**The Charlene C. Samples Creative Writing Scholarship** was established by Board of Trustee member Charlene C. Samples, Class of 1977. Ms. Samples established this award to foster and reward creative writing and to recognize the value of writing in the pursuit of any successful career. This scholarship is open to incoming freshmen and upperclass students and is renewable for four years. Applicants will annually submit a portfolio demonstrating their writing skills. Portfolios will be read and evaluated by a Writing Review Committee, which will make recommendations for awards.

**The John E. Sandt Memorial Scholarship Fund** was established in 1989 under the will of the late Mr. Sandt, teacher and administrator at Marietta College for 43 years. Income from the fund provides scholarship assistance to students of the College for tuition and for defraying living expenses while enrolled. Mr. Sandt taught mathematics, education, and astronomy, was the College's first dean of men, and in 1961 was named bellmaster to oversee the ringing of the chimes in Erwin Hall.

**The Frederick W. Schafer Scholarship Fund** was established in 1989 from a bequest by the late Mr. Schafer of Laguna Hills, California, for a scholarship in his name. He was a member of the Class of 1929.

**The Henry Benedict Schwartz Scholarship** was created by a bequest of Henry C. Schwartz, Emeritus Professor of Languages, who taught from 1959 until his retirement in 1980, to honor the memory of his father. The scholarship is to be awarded to worthy students majoring or minoring in a Romance Language.

**The Science Scholarship Fund**, established in 1951 by a friend of the College, provides partial tuition scholarships for the coming year, as circumstances direct. They are awarded to needy and worthy students in the sophomore through senior classes majoring in the sciences.

**The Jack M. Scott Memorial Scholarship** was established in 1970 from memorial gifts made by friends of the late Mr. Scott, Class of 1952, who served the College as director of college-high school relations from 1954 to 1962, director of admissions from 1962 to 1968, and director of services from 1968 until his death in 1970. Income from the fund provides aid to a deserving student.

**The Captain Douglas Milton Seeley and J. Philip Seeley Scholarship Fund** was established in 1998 by Dorothy Seeley in honor of her son, Douglas, Class of 1964, and husband. The purpose of this fund is to provide financial assistance to a deserving student who demonstrates financial need to attend Marietta College. The recipient should be a Veteran, the spouse of a Veteran, or the dependent child of a Veteran. (An eligible Veteran is defined as an individual that served or is serving on active duty, other than training, within the Armed Services of the United States, who received an honorable discharge as verified by form DD214 or other comparable government document, or is serving on active duty.) Preference will be give to a first-year student who is a resident of Washington County or Ohio.

**The Sesquicentennial Scholarship Fund** derives from general gifts made by alumni and friends to the endowed scholarship objective of Campaign 150, concluding with Marietta College's 150th anniversary in 1984-85.

**The Joseph A. Sheehan '36 Scholarship Fund** was established in 1993 in memory of Mr. Sheehan by Sara M. Sheehan (Mrs. Joseph A. Sheehan) and their daughter Anne S. Schick. The income from this fund is awarded annually to current students who are in need of financial assistance. Mr. Sheehan, Class of 1936, was a thirty-six-year employee of IBM which provided a matching grant to the scholarship fund.

**The William M. Sheppard Scholarship** was established in 2000 by alumni to honor Professor Emeritus and long-time publications advisor, William "Shep" Sheppard. The award is given to a student majoring in Mass Media who is interested in print media.

**The Robert and Shirley Showalter Scholarship** was established in 2001 to provide financial assistance to a Williamstown, West Virginia, high school graduate. The award may be given to an incoming freshman or a transfer student and is renewable annually as long as the recipient makes normal progress toward graduation and maintains a minimum grade point average of 2.5. Robert E. Showalter, Class of 1959, is a graduate of Williamstown High School.

**The Merrill L. Shutts Memorial Scholarship** honors Mr. Shutts who graduated from Marietta College with a degree in sociology in 1937. During his time on campus, Mr. Shutts was a proud member of the football team and continued to support the team throughout his life. In recognition of his commitment to the value of a liberal arts education and life's lessons learned on the football field, his daughter Dianne Shutts Cary and her husband A. Bray Cary, Jr., established this scholarship in Mr. Shutts' name. Recipients must engage in a course of study leading to an undergraduate degree consistent with a career in the social service sector, and must have documented financial need. First preference will be given to students graduating from Williamstown High School in Williamstown, West Virginia; secondary preference will be given to students from other Wood County, West Virginia high schools; third preference will be given to students from counties contiguous to Wood County. Scholarships may be renewed annually for a maximum of three years.

**The Smart Arts and Sciences Scholarship Endowment** was established by David B. Smart, Class of 1951, in memory of Harry L., Helen B. and Dorice E. Smart. Its purpose is to encourage the study of the liberal arts disciplines of Economics, English, History, Modern Languages, Philosophy, Political Science, Religion, Biology, Chemistry, Geology, Mathematics and Physics. It is awarded to students majoring in one of these fields and maintaining at least a 3.33 (B+) GPA.

**The Frank Edward Smith Memorial Scholarship** was established in 1997 by Franklin L. and Reatha Sue Smith, Marietta residents, in memory of their son. The income from the fund provides scholarship assistance, renewable for four years, to students who demonstrate financial need, a strong high school record, citizenship, morality, service and work ethic. Preference is given to graduates from Marietta High School or other Washington County (OH) high schools.

**The Lemotto Smith Scholarship Fund** was established in 1988 from a trust of Lemotto Smith. Income from the fund benefits deserving graduates of St. Marys High School, St. Marys, West Virginia, who have achieved a cumulative high school GPA of 3.25 or higher and plan to attend Marietta College.

**The Nellie Best Speary Memorial Fund**, established in 1945 under the will of the late C. Frederick Speary, provides an income from which a partial tuition grant is awarded annually to a worthy student.

**The Warren G. Steel/Dwayne D. Stone Annual Scholarship** was established in 2002 by Trustee David W. Worthington, Class of 1966, and his wife, Beverly, to honor Emeriti Professors Warren G. Steel and Dwayne D. Stone. Income from the fund provides scholarship assistance to students who demonstrate financial need and who are majoring in geology.

**The Max, Martha, and Alfred M. Stern Fund** was established in 1958 in memory of Mrs. Stern and her late husband and son, Max and Alfred M. Stern of Cincinnati. Income from the fund may be used for grants

or loans to students, favored consideration to be given any worthy individual with serious sight impairment, or worthy students evidencing interest in the advancement of good local government; otherwise, to students the College considers qualified to receive such grants or loans.

**The Harry G. and Violet Straley Scholarship Fund** was established in 1994 by the late Harry Goff Straley, Class of 1930, of Charleston, West Virginia. Income from the fund will be awarded to students with good academic standing at the College, with preference given to students from West Virginia.

**The Study Abroad Grant** is awarded on a competitive basis to a full-time student to help offset the cost of studying abroad in a duly recognized program for one or two semesters, or for a summer program with a minimum of six hours of transferable credit. The selection committee consists of the faculty involved in foreign language instruction along with two members of the faculty from other departments. The selection committee is the sole interpreter of the conditions of the grant and may, depending on circumstances, reassign the grant to an alternate, who is to be named at the time of the original selection. For additional information, consult with the modern languages department chair.

**The William M. Summers Memorial Scholarship Fund**, established in 1967 by a friend of the honoree, is used to assist worthy and needy students of Marietta College in the fields of economics and business administration. The fund memorializes the late William M. Summers of Marietta, a member of the Class of 1926 and a trustee of the College from 1950 until his death in 1969.

**The James D. and Agnes B. Sweeney Scholarship Fund** was established in 1993 by James D. Sweeney, Class of 1931, of St. Marys, West Virginia. The scholarship shall be for, and only for, qualified applicants from Pleasants County, West Virginia, seeking admission to Marietta College. The recipients shall be advised in writing that it is the desire of James D. and Agnes B. Sweeney that said recipients make contributions to the scholarship fund as they are financially able do so.

**The Tarr Family Scholarship** was established in 1989 by Mr. and Mrs. Warren W. Tarr and daughter, Christine Tarr Gabreski, Class of 1970. Scholarships are awarded annually to students from Western Pennsylvania who exhibit qualities of academic achievement and financial need. In making scholarship awards, preference will be given to students from the Titusville, Pennsylvania, area.

**The Elmer Templeton Scholarship** was established in 2006 by Marietta College alumni to honor Elmer Templeton's exceptional career as an educator at Marietta College. The scholarship is intended to provide encouragement and assistance to deserving students who might not otherwise be able to attend Marietta College. Awards may be made to undergraduate students with demonstrated financial need who have graduated from a high school in Washington County, Ohio (secondary location preference to students from other area counties). Each recipient must maintain a grade point average of 3.0 or better and make satisfactory progress toward graduation. Annual individual awards may not exceed \$5,000.

**The Ira Owen Wade-Mabel Hamilton Wade Scholarships** were created in 1983 under the will of Professor Wade, who taught modern languages at Marietta College (1919-1921) and later at Princeton University. The late Mrs. Wade, a member of the Marietta College Class of 1920, also taught languages at a private school in Princeton,

New Jersey. Annual income from the endowed fund enables the College to confer scholarships to juniors or seniors of either sex who have established themselves as superior students in the humanities. In awarding the Wade Scholarships, the College shall, in accordance with Professor Wade's will, consider the following qualities of applicants: scholastic attainment, integrity, responsibility, industry, stamina, and imagination.

**The R. Lee and Esther (Sparkie) Walp Scholarship Fund** was established in 1999 in memory of Sparkie Walp, a noted American Athlete who established the women's physical education movement at Marietta College, and in honor of her husband, R. Lee Walp, who was a distinguished professor at Marietta College from 1931 to 1975, by their family, former students and friends. The scholarship fund was established to provide financial assistance to a female education major during her Junior or Senior year.

**The Charles A. Ward and Kenneth R. Ward Memorial Scholarship Fund** is an outgrowth of a fund created in 1942 in memory of Charles A. Ward, Class of 1890, and a trustee of the College from 1914 to his death in 1939. A bequest in 1987 from Marjorie F. Ward, widow of Kenneth R. Ward, Class of 1922, and son of Charles A. Ward, permitted the original fund to be increased and the scholarship renamed to memorialize father and son. Annual income provides assistance to a student or students above freshman rank. Selection is based only on financial need.

**The Walter Webber Scholarship** was established in 2001 by the Marietta College Board of Trustees to honor the service of fellow trustee Walter E. Webber, Class of 1965, and to provide financial assistance to worthy and deserving students.

**The Margaret S. West Student Fund** was established in 1966 from a bequest of Margaret S. West, a graduate of the College in the Class of 1913. Income from the fund is used to aid worthy students in the attainment of their education.

**The William O. Whetsell Scholarship** was established in 1983 from gifts from former students and friends of the retired professor of physical education (1947-1983); athletic director (1959-1969); coach of varsity sports: basketball (1947-1960), cross-country (1964-1978), golf (1955-1987); and intramurals director (1959-1983). Income from the fund provides educational assistance to worthy men or women who best exemplify the student-athlete philosophy espoused by the honoree. Selections are made by the faculty and coaches of the Department of Health and Physical Education.

**The Helen Middleswart Whitaker Scholarship Fund** was established in 1987 by the late Ernst Whitaker of Delray Beach, Florida. The scholarships are given annually in memory of Helen Middleswart Whitaker, Class of 1922, Sally Whitaker Schramm, and Sue Whitaker Mori, Class of 1956.

**The Albert B. White Fund** is derived from two bequests, that of Albert B. White, a member of the Class of 1878, a trustee of the College from 1892 to 1899 and a former governor of the State of West Virginia; and the bequest of his daughter, Mrs. Ethel W. Hiteshew of Parkersburg, West Virginia, which perpetuates the memory of her father. The income from the fund is used to provide scholarships for worthy students from West Virginia, and particularly those students from Wood County.

**The Theodore R. Wieber Memorial Scholarship** was established in 1996 by his wife, Mildred L. Wieber and their three children: Theodore, Jr., Lisa A., and Russell E. Wieber. Mr. Wieber was a 1952 graduate of Marietta College and retired as a senior vice president of Exxon International in 1980. Recipients of the Scholarship must be in need of financial assistance, must have appropriate academic ability, and must maintain at least a B average at Marietta College to obtain the scholarship. First preference in awarding this scholarship is given to students preparing to enter the field of business or science.

**The Wilkes Family Scholarship** was established by James and Margaret Wilkes in 2007 in recognition of their children, Rebecca '80, Tracey, Scott, and Ted '85, as well as many other family connections to Marietta College. Recipients must major in Petroleum Engineering and/or Geology, have demonstrated financial need, and an appropriate grade point average (3.0 for incoming freshmen and 2.6 for upper-class students). Scholarships are renewable.

**The Wilson-Abels Scholarship** for partial and/or full scholarships, was created by Elizabeth Wilson Abels Class of 1937, through a bequest in her Will. The award is named for Mrs. Abels and her husband, G. Richard Abels '39. Mrs. Abels directed that the Wilson-Abels Scholarship be awarded to worthy students from the Parkersburg, West Virginia and Belpre, Ohio areas.

**The Wittlig Family Scholarship Fund** was created from bequests of the Wittlig family. Contributors included: Alfred H. Wittlig, Class of 1921, and his late wife, Constance DeKalb Wittlig; Norman T. Wittlig, Class of 1927; Paul F. Wittlig, Class of 1933, and Laurence P. Wittlig, Class of 1932. Income from the fund is used to aid worthy students.

**The William Henry Wolfe Scholarship Program** was established by the late William Henry Wolfe of Parkersburg, West Virginia, A.B. Class of 1899, LL.D. 1950, and trustee of the College from 1912 to 1946. This program is being continued in his memory by his family to assist worthy students from Parkersburg and the surrounding area.

**The Frederic Jarvis Wood II Scholarship** was established in 1990 by Frederic S. and Patricia Wood in memory of their son Frederic Jarvis Wood, Class of 1981. Income from the scholarship is awarded annually to either a worthy or needy junior or senior concentrating on studies in history. The student shall be chosen by a committee consisting of faculty members from the department of history.

**The Bernadine Haycock Wyckoff and J. Walter Wyckoff Scholarship Fund** was established in 1988 and provides help for students in the earth sciences who without, such assistance might not be able to obtain a college education. Mr. Wyckoff was a member of the Class of 1919.

**The David F. Young Alumni Scholarship Fund** was established in 1985 by former students and friends of Professor Young (1921-1986), Class of 1948, to honor his teaching career in biology, from 1949 to 1986. Two awards are given annually, one to a student majoring in Biology and the other a student majoring in Environmental Science or Environmental Studies. Selection is made by the Department of Biology and Environmental Science in cooperation with the Office of Financial Aid. First preference is given to students who have completed their junior year and have demonstrated outstanding devotion and enthusiasm for the study of Biology, and of Environmental Science or Environmental Studies.

Additional scholarship assistance is provided by annual grants from a number of sources, including:

- The Anadarko Petroleum Corporation Scholarship
- The B.F. Goodrich Company Scholarship
- The ChevronTexaco Scholarship
- The Ernst & Young Matching Gifts Program
- The Geon Leadership Scholarship
- The Honda Scholarship
- The Kibble Foundation
- The Bernard McDonough Foundation Scholarship
- The Procter & Gamble and Timken Teacher Scholarship Program
- The David F. Schaible Petroleum Engineering and Geology Endowment
- The Schlumberger Foundation
- The Shell Assists
- The Society Corporation Minority Scholarship
- The Society of Petroleum Engineers Appalachian Scholarship
- The Warren G. Steel/Dwayne D. Stone Annual Scholarship
- The UNOCAL Scholarship

## Prizes and Awards

Prizes of varying amounts in both general and specialized fields are provided for students through gifts and bequests to the College, and as direct awards.

**The Charles Fritz Absolon Memorial Prize** is awarded each year to the outstanding graduating geology major, as determined by the faculty of the Department of Geology. The recipient's name is imprinted on the bookplates of the library books and periodicals purchased that year with income from the Charles Fritz Absolon Memorial Fund. The recipient also receives a certificate of recognition.

**The Adair Prize** is given annually to the member of the graduating class who has been most outstanding during his or her college career in building morale, esprit de corps, and loyalty to ideals of the College, without particular relation to academic standing. A fund for the prize was established in 1945 by the late Dr. Frank E. Adair, Class of 1910.

**The Alpha Delta Kappa Prize**, established in 1977 by the local chapter of the national honor society for women in education, consists of an annual award to the student who, in the judgment of the Department of Education, exhibits the qualities necessary for success in the teaching profession.

**The Alpha Lambda Delta Awards** are given annually by the Marietta College chapter of the national honor society for freshmen.

**The Alpha Tau Omega Auxiliary Award** is given annually to the freshman member with the highest scholastic standing of that fraternity's pledge class.

**The Alpha Xi Delta Prize**, established in 1956, is awarded annually to the member of the graduating class who has achieved academic excellence in the Department of Communication and who has exhibited proficiency in the practical application of oral communication skills. The recipient must have a 3.5 cumulative average and have declared either a major or minor in the department. The faculty of the Department of Communication makes the selection. In addition to the cash award

given by the Alpha Xi Delta Women's Fraternity, the Communication Faculty presents the recipient with a year's membership in the National Communication Association.

**The Alumni Association Community Service Award**, established in 1975, is conferred at Commencement to the graduating senior who has demonstrated continuing involvement as a leader and close participant in an activity deemed to be of value to the community or area. Selection is made by the Faculty Council. The award consists of a check and the placement of the recipient's name on a permanent plaque.

**The Theodore Bennett Memorial Fund** is awarded to the member of the junior class who is considered by the Department of Mathematics to be most outstanding in the department. The award consists of tuition credit, membership in the Mathematical Association of America, and placement of the recipient's name on a plaque. Dr. Bennett taught mathematics at the College from 1937-70 and chaired the department for 25 years. Additionally, the Department of Music awards an annual tuition credit scholarship to one of its majors in recognition of Dr. Bennett's long and active interest in the piano and organ.

**The Harry H. Beren of Marietta, Ohio, Award** is given annually to one or more students who excel in the field of petroleum engineering, selected by the chairperson of the Edwy R. Brown Department of Petroleum Engineering. It is funded by the estate of the late Harry H. Beren.

**The Beta Beta Beta Prize** is awarded annually to the student who is a member of the Beta Beta Beta Honor Society and who, in the judgment of the faculty of the Department of Biology, has shown the most enthusiasm for basic research and done the most meritorious undergraduate research.

**The William L. Buelow Juried Prize** is awarded each semester to the student who, in the judgment of the faculty of the Edward E. MacTaggart Department of Music, has done the most outstanding work in applied music study. Given anonymously, the individual prize is credited to the winner's tuition if he or she continues applied music study at the College in the following semester.

**The Chapin Prize** is awarded annually at Commencement to a student of any class for excellence in the study of a foreign language. The selection of the recipient is made by the Department of Modern Languages. Established in 1962 with a fund from the estate of Laura W. Friederich, Class of 1902, the prize memorializes the late George Scott Chapin, professor of modern languages, 1942-49.

**The Chi Omega Alice N. Mead Prize**, awarded annually at Commencement by the Marietta alumnae chapter of Chi Omega, is presented to a graduating woman who, in the opinion of the faculty of the Department of Education, has done the most meritorious work toward receiving certification as a teacher in science or mathematics at the secondary level. The criteria for the prize were revised in 1986 by the chapter alumnae to honor the memory of Mrs. Mead, Class of 1930, for her leadership and service to the Chi Gamma Chapter.

**The Betty Cleland Top Women Athlete Prize** was created by former Marietta College president, Dr. Sherrill Cleland, in honor of his late wife, Betty. This annual award is for senior female athletes. The recipient is chosen by the coaching staff based on academic and athletic achievement. The award is announced at the annual athletic hall of fame banquet, and the recipient receives a recognition plaque. Recipient's names are also added to the Betty Cleland plaque in the Ban Johnson Field House.

**The Sherrill Cleland Prize in Leadership** was established by the Board of Trustees upon President Sherrill Cleland's retirement in 1989 to recognize Dr. Cleland's efforts to instill qualities and skills of leadership as a major component of Marietta College's educational program during his 16 years of personal leadership. It is given annually to the most outstanding graduate minoring in Leadership studies, chosen by the staff of the McDonough Center for Leadership and Business from among those nominated by students enrolled in the McDonough Leadership Program.

**The Sherrill and Diana Drake Cleland Leadership Award for Experiential Learning** was established by Dr. and Mrs. Cleland in 2000 to encourage the study of leadership and recognize its value as part of a liberal arts education in the pursuit of a successful career. Recipients must use this award to participate in leadership experiences off campus, which will enhance their coursework and foster campus leadership activities. Dr. Cleland served as the 14th president of Marietta College from 1973 to 1989.

**The Michael J. Conte Educator as Leader Award** was established in 2005 by the Education Department and the McDonough Leadership Program to honor the memory of Michael Conte, an early childhood major and McDonough Leadership certificate candidate. This award is given to an outstanding member of the junior class who is pursuing the leadership minor or certificate and is majoring in education.

**The Michael J. Conte Excellence in Leadership Award** was established in the Spring of 2005 in memory of Michael J. Conte, Student Body President. The award is given to a sophomore, junior or senior whose contributions to the College have been positive, salutatory and inspirational. The recipient typically maintains a 3.0 cumulative grade point average or better and at the time of the award, demonstrates campus-wide leadership and involvement, and creates a legacy of positive impact on future student leaders.

**The Thomas F. Cronin Prize** is awarded annually to a student or students in the McDonough Leadership Program and/or the Leadership Development Institute who have demonstrated outstanding leadership on campus and in the community. The prize is supported by donations from Dr. Cronin, a distinguished political scientist and author.

**The Dean's Choice Scholarship** was established in 1996 by the School of Accountancy of Ohio University. The Dean of the Faculty and the accounting faculty of the Department of Business & Economics select as the recipient one senior accounting major planning to enter the University's Master of Business Administration Program. The scholarship includes a full-tuition waiver for three quarters. The recipient may also be appointed to a graduate assistantship.

**The Delta Tau Delta Robert L. Jones Prize** is awarded annually to the student who achieved the highest scholastic standing while a member of the freshman class. The prize was established in 1970. In 1975 it was renamed to honor Dr. Robert L. Jones, a member of the fraternity, who retired that year after teaching history at the College since 1938. In the event of a tie, the candidate whose average is figured on the larger number of credit hours will be the recipient.

**The Delta Upsilon Good Citizenship Award**, established by the Marietta chapter of Delta Upsilon fraternity, is given annually at Commencement in honor of its members who gave their lives in World War II. The award, a plaque, is made to a member of the graduating

class, man or woman, who, in the opinion of the Faculty Council, has shown outstanding qualities as to 1) scholarship, 2) leadership, 3) character, and 4) participation in extracurricular activities.

**The Michael S. Dorfman Memorial Prize** was established in 1975 by the College's chapter of Alpha Tau Omega fraternity in memory of Mr. Dorfman, a member of the Class of 1975. The award is made annually to the member of the junior class majoring in psychology who, in the judgment of the faculty of that department, is considered most promising as determined by scholarship, ethical standards, and dedication.

**The Eggleston—Ruby Prize** is given annually at Commencement to the member of the graduating class whose special field of interest is biology and who, in the judgment of the faculty in that department, has done the most meritorious work in biology. The prize was established by the late Dr. Victor M. Ruby, Class of 1942, and named in memory of his friend and teacher, Harla Ray Eggleston, head of the Department of Biology from 1915 until his retirement in 1960, and his grandfather, the Rev. Susman Ruby of Marietta. Contributions in memory of Professor Eggleston's son, Arthur G., were added to the funds in 1982.

**The Emerson Prize** may be awarded annually for the best original poem or group of poems by a student or graduate of the College. The poem or group of poems must be approximately 100 lines in length and submitted to the Department of English faculty no later than April 15. A permanent fund for the prize was established by the will of the late William D. Emerson.

**The Fenner Fowler Memorial Prize** is awarded annually to the student who has made the greatest academic achievement in history and contributed the greatest service to the department by his or her junior year. The prize was established in 1956 by the late Mrs. Aline Fenner Kempton, Class of 1912, as a memorial to her parents, William James and Nellie Fowler Fenner.

**The William A. and Prudence A. Fields Music Performance Award** was established in 1987 by Attorney and Mrs. Fields to recognize excellence in applied music performance. The award may be made each semester by the Department of Music faculty to encourage applied music study with first preference given to voice and piano students. The recipient does not have to major in music, but must participate actively in the College music program and does not have to demonstrate financial need. At the discretion of the Department of Music faculty, the award may be given more than once to the same student.

**The Donald F. Frail Memorial Award**, established in 1972, is made each year to that physical education major, man or woman, in the graduating class adjudged most worthy by the faculty in the Department of Health, Physical Education, and Recreation. The award was made possible by contributions from alumni, students, parents, colleagues, and friends. It consists of a cash prize and the placement of the recipient's name on a plaque in the Ban Johnson Field House. Coach Frail served as head track and assistant football coach from 1968 until his death in 1972.

**The Paul Fulton Memorial Awards** are given annually to students majoring in petroleum engineering or geology. Four awards are given to juniors to provide support for student research projects. One award is given to a graduating senior in recognition of his or her completed research project. Award recipients are selected by the trustees of the

Southeastern Ohio Oil and Gas Association. The Fulton Awards are supported from income earned by the Paul Fulton Memorial Fund, an endowment established at Marietta College by members of the Southeastern Ohio Oil and Gas Association, Rampp Co., and family and friends of the late Mr. Fulton.

**The Grand Lodge of Free and Accepted Masons of Ohio Scholarship** provides an annual grant of \$1,000 to an able and deserving young person of the senior class from any high school in Ohio.

**The Greek Man-of-the-Year Award**, a plaque, was established in 1972 by the Interfraternity Council. It is awarded to the senior fraternity man who is deemed by the selection committee to have contributed most to the improvement, strengthening, and functioning of the Greek system at the College.

**Panhellenic Council established the Greek Woman-of-the-Year Award**, a plaque on display in Andrews Hall, in 1972. It is awarded to the outstanding senior sorority woman who is deemed by the selection committee to have contributed most to the improvement, strength, and overall success of the Marietta College Greek system.

**The Rev. Carl A. Grimm Memorial Award**, established by his family in 1976, is given annually to a Marietta College student who plans to pursue a fulltime career in religion. Selection is made by the faculty in the Department of Religion.

**The Raymond G. Guthrie Prize**, established in 1970, honors the late professor of education who taught at the College from 1927 until retirement in 1965. The prize is awarded to the senior seeking teacher certification who, in the judgment of the Department of Education, best represents his or her academic area in preparation for teaching. Funded through contributions of friends and former students of Professor Guthrie, the award consists of a subscription to a professional journal and placement of the recipient's name on a plaque in Erwin Hall.

**The Ione Congdon Hammond Memorial Prize** is awarded annually to the woman of the graduating class who has shown the most sincere application to and appreciation of English literature during her College study. Each candidate shall have read several of the novels of Dickens under the supervision of her instructor. The prize was established by the late Donald J. Wormer in memory of his wife, Ione Congdon Hammond, Class of 1914.

**The William Heacock Memorial Fund** was established in 1988 by friends of the late Mr. Heacock, the foremost writer in the field of Victorian pattern glass in America. Each academic year, the student who writes the most outstanding paper in the senior history capstone course receives a \$500 award from the Heacock Memorial Fund. Papers are judged in a public forum by members of the History Department faculty.

**The Hobba Chemistry Prize** is given each year to a senior or junior majoring in chemistry with high academic achievement. The prize, memorializing Ellis Llewellyn Krause (Sc. D. 1955 and Emeritus Erwin Professor of Chemistry at Marietta College) is in the name of Virginia Hobba Elliott and Irvin Ellis Hobba, his grandchildren.

**The Hyde Prizes**, founded by the late Hon. William Hyde of Ware, Massachusetts, are given to the two students of the sophomore class with the highest scholastic standing. First and second prizes are applied on tuition for the junior year. In the event of place ties, candidates whose cumulative gradepoint averages are figured on the larger number of credit hours will be the recipients.

**The William Bay Irvine Medal** was established in 1963 by the Student Senate on behalf of the student body in recognition of President Irvine's lifetime contribution to the advancement of Marietta College. The medal is awarded annually at Commencement to the outstanding man or woman of the senior class. The recipient is selected on the basis of the degree and extent of involvement in student participating activities, and loyalty and service to Marietta College.

**The Jewett Prize** is given annually to the two members of the graduating class whose orations, in competition with other aspirants for the prize, are judged most excellent in composition and delivery. These two students will deliver their award-winning orations at Commencement. The prize was established by the will of the late Milo Parker Jewett, a teacher in the Marietta Collegiate Institute from 1833 to 1835, professor of rhetoric at Marietta College from 1835 to 1848, and the first president of Vassar College.

**The Kingsbury Prizes**, founded by J. Munro Brown of New York City in memory of the late Addison Kingsbury, D.D., of Marietta, are given to the two students of the junior class with the highest scholastic standing. The prizes are applied on tuition for the senior year. In the event of ties, candidates whose cumulative gradepoint averages are figured on the larger number of credit hours will be determined as the recipients.

**The Carleton Knight III Memorial Award** was established by the family and friends of the late Carleton Knight III, Class of 1966. The award, which reflects his commitment to the highest standards of professional achievement as evidenced by his own career as writer, journalist, and editor, is given annually at Commencement to a graduating senior who has demonstrated excellence in the mass media program at Marietta College. Recipients are selected by the faculty of the Mass Media Department.

**The E. B. Krause Chemistry Achievement Award**, consisting of an appropriate gift and placement of the recipient's name on a plaque in Selby Chemistry Building, memorializes Elwyn Busian Krause, who taught chemistry at Marietta from 1927 to 1960. The award goes to a student who has shown outstanding academic achievement in a first-year chemistry course.

**The Dr. Richard M. Krause Test Prep Award** was established in 2008 to help alleviate registration fees or test preparation expenses for Marietta College undergraduates preparing for the Graduate Records Exam (GRE), Medical College Admissions Test (MCAT), Law School Admissions Test (LSAT) or other approved post-undergraduate testing. Dr. Krause, Class of 1947, after a long and stellar career at the National Institute of Allergy and Infectious Diseases is now an Investigator Emeritus for that organization. He has always had an avid interest in encouraging Marietta College graduates to further their educations in graduate professional programs.

**The LaVallee Award in Chemistry**, conferred on an outstanding member of the graduating class whose major was chemistry, is given by the Upper Ohio Valley Section of the American Chemical Society. Selection

is by the faculty of the Department of Chemistry. The award, a year's membership in the American Chemical Society, memorializes George A. LaVallee of Marietta, a founder of the local section of ACS.

**The Maria Leonard Award** is presented to the graduating senior member with the highest grade point average. Other senior members who have maintained a 3.5 or better cumulative grade point average receive certificates.

**The Ralph M. Lindamood Prize**, established in 1984, recognizes the service of Mr. Lindamood, associate professor of physical education (1964-84) and crew coach (1959-84). Created by former students, crewmen, and friends, this cash award is given annually at Commencement to a graduating senior in recognition of that person being selected Outstanding Senior Oarsperson.

**The Ronald L. Loreman Prize in Theatre Arts** was established in 2005 by members of the Theatre Advisory Board, other alumni and friends of the College. The prize honors Ronald L. Loreman, Emeritus Professor of Communication and Theatre, who taught at the College from 1960 until his retirement in 2004. The monetary prize of \$150 is awarded to a senior student who has made an outstanding contribution to the theatre program at Marietta College. Selection of the recipient shall be recommended each spring semester by the faculty members of the Theatre Department.

**The Margaret Ward Martin Prize** may be awarded annually to the junior or senior submitting the best original piece of creative writing. Manuscripts must be submitted to the Department of English faculty not later than April 15. No person having once received the prize shall be eligible for it again. It is given in memory of Margaret Ward Martin, Class of 1934, by her family, Mrs. Eleanor Ward Lemon, Class of 1930; the late Mrs. Mary Ward Gleysteen, Class of 1932; and the late Mrs. Asa E. Ward, Class of 1902.

**The Asa Shinn McCoy Award** is given to a member of the graduating class who receives his or her degree summa cum laude or magna cum laude and who is, in the opinion of the Faculty Council, worthy of the honor. A fund for the fellowship to be used for graduate study was established by the late James C. McCoy of Grasse, France, as a memorial to his father, the Rev. Asa Shinn McCoy, valedictorian of the Class of 1849, a clergyman of the Methodist Episcopal Church, and president of the Illinois Female College at Jacksonville.

**The Robert M. Naddour Award**, established in 1983, honors the memory of Mr. Naddour (1959-83), assistant professor of petroleum engineering (1982-83), who died in an automobile accident. Recipients are selected from senior members of the Society of Petroleum Engineers nominated by Pi Epsilon Tau members to the faculty of the Edwy R. Brown Department of Petroleum Engineering who make the final selection. Qualified nominees should demonstrate industry, motivation, and enthusiasm in their academic work and sociability in departmental activities as well as scholarship.

**The Dana Rymer Patterson Prize** is given each year at Commencement to the graduating senior who, in the judgment of the Department of Art faculty, has performed meritorious work in art, preferably in painting. The cash prize honors the late Mrs. Patterson, a charter member of the Ohio River Valley Chapter of the National Society of Arts and Letters and its national vice president (1964-66). The prize was established in 1984 by her husband, the late Dr. Merrill Reeves Patterson, dean of the College (1948-67).

**The Merrill Reeves Patterson Medal** is presented at Commencement each year to the graduating English major who, in the judgment of the Department of English faculty, has performed meritorious work in English literature, preferably with attention to Shakespeare. The medal, first awarded in 1980, honors the late Dr. Patterson, Hillyer professor and chairman of the Department of English (1939-67), dean of the College (1948-67), director of academic advising (1967-72), and mentor to countless students who affectionately called him "Dean Pat."

**The Outstanding Faculty Award**, established by the student body governing board in 1984, is presented each year to the member of the faculty who demonstrates excellence in teaching and College involvement as determined by a selection process administered by the Student Senate. Nominated faculty members are judged, among other things, on presentation of course material, fair and ethical teaching practices, rapport with students, and extent of involvement in College activities. A faculty member may receive the award more than once.

**The Phi Alpha Theta Key** is awarded annually by Gamma Mu Chapter of Phi Alpha Theta, the national history honor society, to the member of the graduating class who, in the judgment of the faculty members in Phi Alpha Theta, has done the most meritorious work in history.

**The Sharon Roush Memorial Prize** was established in 1983 by friends and relatives of Ms. Roush, a member of the Class of 1982 who died unexpectedly on April 21, 1983. The income is awarded by the Department of Psychology each year to a student who, like Ms. Roush, has high moral integrity and also has distinguished herself or himself in the field of psychology.

**The Schmidt Prize** is given annually to the member of the graduating class who, regardless of academic standing, demonstrated the strongest desire to complete his or her education at Marietta College despite severe obstacles of any nature. The prize was established in 1963 with a permanent fund given in memory of the late Stephen N. Schmidt, Class of 1918, and Mrs. Margaret E. Schmidt, by their four sons: Robert S. Schmidt, Class of 1951; Charles D. Schmidt, Class of 1953; John D. Schmidt, Class of 1955; and Thomas E. Schmidt, Class of 1959.

**The Stephen Schwartz Prize in Poetry**. This prize, sponsored by the Academy of American Poets' university and college poetry prize program, is awarded annually to the student whose poem is judged the best of those submitted for the local campus contest. Endowed by Laura Baudo, the prize is named in honor of Stephen W. Schwartz, emeritus professor of English.

**The Sigma Sigma Sigma Mabel Lee Walton Memorial Award** was established in 1974 by the Marietta chapter of that sorority in recognition of its lifelong national president. The award goes to the member of the senior class who throughout his or her college career has shown concern for and made efforts to help the handicapped. Additional consideration is given to students planning to make special education their careers.

**The Lillian Sinclair Graduate Student Award** was established in 2005 to honor the graduate student who has shown the greatest persistence in overcoming obstacles to finish his or her degree. The directors of the graduate programs will select the student deserving of this award. The award memorializes Lillian Sinclair, Class of 1923, registrar from 1926 to 1967, and recipient in 1978 of the Distinguished Alumna Award.

**The Sally Snead Macatol Fellowship** was established in 1999 by her husband Dr. Fortunato Macatol, and friends of the honoree, to encourage applied music study and/or ensemble participation to those students who work hard, and add so much to the performing areas of the music department. Each year, a maximum of equal cash stipends are awarded by the music department faculty in memory of Sally Snead Macatol, wife, mother of four children, and Registered Nurse, who returned to school and earned a B.A. in music from Marietta College in 1993. She was a pianist and vocalist who participated in the Concert Choir and Oratorio Chorus for a number of years.

**The SPE Award** is made annually to a member of the Marietta College student chapter of the Society of Petroleum Engineers who has contributed significantly to the professional activities of the chapter and to the student attitude and esprit de corps of the Edwy R. Brown Department of Petroleum Engineering. Selection is made by the department and the directors of the Appalachian Petroleum Section of the SPE.

**The SPE Student Chapter Award** is given annually by the student chapter of the Society of Petroleum Engineers. The award, a set of technological monographs, is presented to the student majoring in petroleum engineering who has the highest cumulative grade point average in all his or her courses during the freshman year.

**The Burton E. Stevenson Prizes** may be awarded annually for essays devoted to some phase of American literature. Topics should be assigned by the instructor in American literature or the head of the Department of English. Manuscripts must be submitted to the Department of English faculty not later than April 15 of the current year. Recipients of prizes are not eligible to compete again. The prizes were established by the late Burton E. Stevenson, Lit. D., 1955.

**The Tau Pi Phi Prize** is awarded annually by Gamma Chapter of Tau Pi Phi, the national business honorary, to the member of the graduating class who compiled the highest scholastic average in business, economics, and management courses while at Marietta College. The winner must be a major in the Brachman Department of Business & Economics. The prize was established in 1956.

**The Way-Weigelt Prize** is conferred on the man of the senior class who, in the judgment of the athletic coaches, has best demonstrated qualities of scholarship, leadership, character, and sportsmanship in addition to participation in athletics. The prize consists of a plaque and placement of the winner's name on a permanent plaque in the Ban Johnson Field House. It memorializes James W. Way, Class of 1955, and Henry G. Weigelt, Class of 1957.

**The William O. Whetsell Student Community Service Award** is presented annually to the Marietta College junior who demonstrates a record of marked distinction in service to the College, the local community, and, in a scholarly fashion, attempts to link the service performed with an academic field or discipline. This award is presented by the McDonough Center for Leadership and Business in honor of the late William O. Whetsell. His lifetime of service is an example to our faculty, staff, and students who value community service as an integral part of the contemporary liberal arts education.

**The Willard Awards** recognize the achievements of students in the theatre program. Certificates are awarded by the Theatre faculty to students of every class who excel in theatre activity. The winners of the awards for performers and technicians in the plays produced during the year are determined by balloting among the students participating in the productions. The Willard Awards evoke the name of the late Willard J. Friederich, a faculty member from 1946 to 1979, who established the theatre program at Marietta College.

**The Robert G. "Red" Williams Music Award**, an annual award, established in 1987 by Donna Lou Sisk Williams, Class of 1933, in memory of the late Robert G. "Red" Williams, Class of 1933. The Williams Award is given to a freshman who has demonstrated excellence in music performance in high school and will continue to participate in music performance at Marietta College. It is not necessary for the recipient to be a music major. In selecting recipients, preference will be given to students from Kanawha County, West Virginia or Washington County, Ohio.

**Group Scholarship Bowls** are awarded each semester in four categories. Women: 1) Best Academic Record, and 2) Most Academic Improvement; Men: 1) Best Academic Record, and 2) Most Academic Improvement. Winning of a particular bowl for three consecutive award periods results in that bowl being retired to the winning group for permanent possession. A new bowl is then entered in competition.

# Student Support Services

It is important that all students achieve their potential and, to this end, the College provides several support services which are open to all students.

## The Academic Resource Center (ARC)

Amanda L. Haney-Cech, Director

Website: [www.marietta.edu/~arc](http://www.marietta.edu/~arc); [arc@marietta.edu](mailto:arc@marietta.edu)

Andrews Hall - Third floor; (740) 376-4700

The primary mission of the Academic Resource Center (ARC) is to provide resources and services to assist all Marietta College students in the acquisition of information and development of skills to achieve their academic potential. In addition to the individualized services for students, ARC resources are available to all members of the campus community. The ARC also coordinates campus services for students with disabilities. (See Services for Students with Disabilities section below.)

Services offered by the ARC include, but are not limited to:

- Individualized academic support.
  - Learning style and study strategy assessment
  - Study strategy development
  - Academic success plan development
- Early alert and intervention system for students having academic difficulty.
- Individual and small group, and drop-in tutoring.
- Services for students with disabilities including classroom accommodations and ongoing support.
- Access to computers, printers, scanners, and assistive technology, including the Kurzweil 3000 Scan/Read System, the Dragon Naturally Speaking Voice Dictation Software, Math Talk, and Scientific Notebook.
- Quiet study area.
- Academic and personal development workshops.
- Resource library of materials and tutorials on general study strategies, time management, learning disabilities and more.
- Referrals to other campus resources and outside agencies as needed.

## Auxiliary Services

Laurie McKain, Director of Auxiliary Services  
(740) 376-4380

The Auxiliary Services Department at Marietta College is responsible for a variety of functions on the Campus of Marietta College. Auxiliary Services oversees College snack and soda vending, the bookstore, mail-room and dining services. In addition, Auxiliary Services liaisons with the laundry vendor that is available in all residence facilities to make sure all operations are satisfactory. Another area of responsibility for Auxiliary Services is bringing outside events to Campus i.e. concerts, conferences, camps, meetings, receptions, weddings and organization dinners.

## Services for Students with Disabilities

Barbi Cheadle, Disabilities Specialist

Andrews Hall - Third Floor; (740) 376-4467

All services for students with disabilities are coordinated through the Academic Resource Center (ARC). Recent documentation of a student's disability from a licensed psychologist, psychiatrist, or physician must be provided to the ARC to establish accommodations. In addition to reviewing documentation to facilitate arrangements for specific classroom accommodations, ongoing individualized guidance is available from the ARC's Disabilities Specialist to include referrals to outside agencies for testing and assessment as necessary. Other services available include tutoring, study skills assistance, access to adaptive and assistive technology and personalized services based upon documented needs.

Students needing assistance with disability-related issues should contact the ARC (Andrews Hall, 376-4700, [arc@marietta.edu](mailto:arc@marietta.edu)) for more information. In addition, students must discuss individual class-specific needs with each faculty member at the outset of each academic course.

Marietta College complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act regarding non-discrimination against persons with disabilities. The College seeks to offer support to all students and strives to make reasonable accommodations for individuals with documented disabilities.

## Campus Police

Mr. David Valkinburg, Chief of Police

The Gathering Place, Annex, (740) 376-4611

The Marietta College Campus Police Department is a 24/7 full-service police agency responsible for the safety and security of the Marietta College campus community and all investigations on campus, enforcement of criminal laws and the issuance of timely warnings to the campus community. The Campus Police Officers are fully certified under the Ohio Peace Officer Training Council and have all the powers of any police officer in the State of Ohio. The department is comprised of Full time and Part time Police Officers as well as one full time dispatcher and a parking enforcement officer. In addition, the department also employs student employees who assist with dispatch, building open/closing/escorts, and crowd control for special events. The MCPD issues parking permits on campus and is responsible for the enforcement of parking regulations. MCPD will also assist motorist with vehicle unlocks, jump starts or changing a tire. The Campus Police Department, with 24 hour notice, provides shuttle services to and from the nearby Mid Ohio Valley Regional Airport, non emergency medical transport, and escorts to locations on campus.

## The Campus Writing Center

Dr. Tim Catalano, Director

Website: [www.marietta.edu/academics/writing/index.html](http://www.marietta.edu/academics/writing/index.html)

Thomas Hall - Room 217

The Campus Writing Center offers one-on-one writing assistance to any member of the Marietta College community. Clients may sign up in

advance for an appointment, a series of standing appointments, or simply visit on a drop-in basis. Appointments typically last for 45 minutes.

The goal of the Campus Writing Center is to strengthen a client's overall writing ability. Clients are encouraged to visit the Campus Writing Center as they plan and prepare for an assignment, as well as when they revise and edit a paper. The Campus Writing Center sponsors workshops each fall semester on topics such as Writing the Introductory Lab Report, Using APA and MLA citations, Writing In-Class Essays, and Understanding Plagiarism. The Campus Writing Center's website provides a comprehensive listing of online writing resources, suggestions, guidelines, and references.

## The Career Center

Hilles Hughes, Director

Location: Upper Level, Gilman Center, (740) 376-4645

The Career Center at Marietta College is staffed by professionals who prepare students for successful futures by providing career advising; access to experiential education; state-of-the-art job search and graduate school resources and programs; and the necessary tools to transition from Marietta College to the World of Work.

Students are encouraged to visit the Center for individual advising, and they can also take advantage of the variety of career workshops and events offered throughout the year such as: "Wine, Dine & How To Act Fine" (an etiquette workshop) and "Preparing for Graduate School" - just to name a few.

The Career Center is also involved in a variety of career fairs throughout the year including the Teacher Recruitment Consortium, the Ohio Foundation of Independent Colleges' CareerFEST and the Muskingum & Marietta College Interview Day. In addition to these recruitment and networking events, the Center maintains a database of employment and internship opportunities which students and alumni can access free of charge 24/7 through College Central. ([www.collegecentral.com/marietta](http://www.collegecentral.com/marietta)) Through résumé referrals, alumni mentoring, company info-sessions and campus interviews, the Career Center facilitates connections to employers throughout the region and beyond.

For more information, please visit the Career Center website: [www.marietta.edu/student/career](http://www.marietta.edu/student/career) or contact the Career Center, Monday through Friday, 8:00 a.m. - 5:00 p.m. To schedule an appointment, please call (740) 376-4645 or email [cc@marietta.edu](mailto:cc@marietta.edu).

## Internships

The internship program offers students the opportunity to earn academic credit while applying their classroom learning in the workplace. The requirements of the internship vary depending on the student's academic major and supervisor. The Internship Coordinator, Dr. Bill Fournier in the Career Center can provide students seeking an internship with the following:

- Resume, cover letter and interview preparation.
- Advice, research assistance, contacts, and internship leads.

The Career Center also maintains several online databases of internship leads and contacts.

Please note: International students must secure employment authorization from the International Program Office before participating in an internship.

## Counseling Services

Dr. Michael Harding, Clinical Psychologist  
Andrews Hall Room 112 (740) 376-4477

Counseling services are available to all full-time students at no charge. Services are provided and/or supervised by a mental health or counseling professional (clinical psychologist or counselor) who is licensed to practice in Ohio. Thus, the service providers meet the same standards applicable to professionals practicing in private offices, agencies, and hospitals. Providers adhere to state and federal guidelines governing provision of mental health and/or counseling services to college-age students. As such, the services are confidential in accordance with state and federal guidelines.

Services are usually short-term and problem-focused and are initiated either by the student or by referral from another party. Students utilize counseling services for a variety of reasons including, but not limited to, enhancing personal growth, coping with stress associated with academic life, and dealing with relationships. Sometimes students access counseling services in order to obtain support for managing symptoms associated with depression, anxiety, family problems, substance use, anger management, eating disorders, attention-deficit hyperactive disorder (ADHD), and other clinical and non-clinical concerns.

Counseling services can be accessed by contacting the office directly at (740) 376-4477 or by contacting the office of Student Life at (740) 376-4736.

## The Student Health Center

210 7th Street (740) 373-0792, (800) 809-9961

The Student Health Center, operated through a mutual agreement with The Broughton's Health Center of Marietta Memorial Hospital, is located directly across the street from the campus. The center is operated as an outpatient facility serving the medical needs of the student population. Students are seen on a first-come, first-served basis. Injuries or conditions, which require immediate attention, may be seen ahead of those with less serious needs.

The center offers diagnosis and treatment of general medical problems including, but not limited to the treatment of colds, influenza and upper respiratory infections. Additionally the center provides for prescription drugs, gynecological services, injection therapy, lab tests, student employment physicals, nutrition counseling, health education and referral to other specialized health care providers.

Since students pay a Health Service fee, there is no charge for office visits. However students will be responsible for any charges associated with lab work, x-rays, pharmaceuticals, supplies and injections. Payment may be made at the time of service or be billed to their student account in the college business office.

The center is open fifteen (15) hours per week, Monday through Friday, during the academic year. When open the center is staffed by qualified health care providers including a registered nurse, nurse practitioner and medical doctor.

Contact the Student Life office for more information (740) 376-4736

# Student Organizations and Activities

Whatever a student's abilities and interests are, there is a place for them at Marietta. Marietta College has one of the oldest chapters of Phi Beta Kappa. Membership of Phi Beta Kappa is arguably one of the highest honors that can be awarded an undergraduate student. This section describes not only the various honor societies with chapters on the campus, but also the range of co-curricular activities from which a student can select.

## Honor Societies

**Phi Beta Kappa** was founded in 1776 at the College of William and Mary in Williamsburg, Virginia. It is the oldest national academic honor society in the United States. The Gamma of Ohio chapter at Marietta College was established in 1860; it was the third chapter in Ohio and the 16th in the nation.

To be considered for election to membership, a student must be of good character and must have achieved a scholastic record of outstanding excellence in a broad program of studies, a significant part of which must lie within the area known as the liberal arts and sciences. Normally, students are elected during the spring semester of their senior year. In addition, the highest ranking eligible member of the junior class may be elected during the spring semester.

Membership in Phi Beta Kappa is conferred as the result of an election by the local chapter. There is no list of precisely specified requirements which, if met, will result in automatic election to Phi Beta Kappa. The chapter does have certain minimum criteria for consideration for election which are given below.

To aid in evaluating breadth of education, the Marietta chapter of Phi Beta Kappa groups academic areas, departments, and courses in the liberal arts and sciences into three broad categories. These categories, or groups, are similar to, but not identical with those used in the College Catalog to specify the General Education distribution requirements for graduation from Marietta College.

Group A: communication, art, English, literature, linguistics, modern languages, music, theatre.

Group B: economics, political science, psychology, sociology, history, philosophy, religion.

Group C: astronomy, biology, chemistry, environmental science, geology, mathematics, physics.

The criteria for consideration for election to Phi Beta Kappa are as follows:

1. The student must take at least 60 hours of work in residence at Marietta College.
2. The student must achieve a grade point average sufficient for graduation with honors (3.5 or better) and must graduate in the upper tenth of the class.
3. Because election to Phi Beta Kappa emphasizes breadth and depth of scholarship, the student's record must display evidence of both.

The student must display breadth of education by completing, in addition to Writing 101 and Communication 101, at least fifteen credit hours of course work in each of groups A and B and fourteen credit hours in group C. Courses from at least three departments or areas in each group must be included, and not more than six credit hours (or eight in the case of laboratory courses) from a single department may be counted. Advanced courses in areas outside the student's major group are encouraged. No course for which the grade is below C may be counted. Mathematics 113, Art 245 and Music 303 are also not counted.

Courses that are not included among the offerings of the departments listed in groups A, B, and C, such as Leadership, Honors and Gender Studies courses also may be eligible for consideration by the chapter under the intent of criterion 3. Any such course will be evaluated individually. The chapter will determine whether the course qualifies as liberal arts or sciences and, if so, the appropriate group in which to place it.

The chapter reserves the right to elect students who do not quite meet every aspect of criterion 3, but whose records clearly display evidence of breadth and depth consistent with the intent of the criterion. Students desiring additional information should contact one of the officers of the Marietta College chapter. (Chapter President: Dr. Kathryn N. McDaniel)

**Alpha Lambda Delta**, a national honorary for first-year students, installed its chapter at Marietta College on March 28, 1989. First year students who have achieved a 3.5 GPA or better and are in the top twenty percent of their class after two semesters are eligible for membership. Alpha Lambda Delta encourages superior scholastic achievement among college students, continued academic excellence beyond the first year, and collegiality among honors students.

**Alpha Psi Omega**, national honorary dramatic fraternity, installed its Eta Alpha chapter at Marietta in 1937. Students who have shown special aptitude, participation, and interest in all forms of dramatic work are eligible for membership.

**Alpha Sigma Lambda** is a national honor society for nontraditional students. To be eligible, a non-traditional student must complete at least 30 hours at Marietta College, 15 of which must be outside the major, be ranked in the highest 10 percent of his or her class in scholarship and have a minimum GPA of 3.2. The Zeta Gamma chapter of Marietta College was established in 1988. (Contact person: Ms. Cathy Brown)

**Beta Beta Beta**, national biological society, was founded in 1922. The Iota chapter, the sixth oldest of more than 250 active chapters, was installed at Marietta in 1926. Students selected for membership must meet the scholastic standards and have completed the amount of work in biology established by the society. Tri-Beta promotes sound scholarship, dissemination of scientific truth, and research. (Faculty advisor: Dr. Steven Spilatro)

**Gamma Sigma Alpha** promotes the advancement of the Greek community, fosters the advancement of education among Greeks, instills a greater spirit of cooperation among Greek students and organizations, encourages excellence in scholarship, and fosters intellectual interaction between Greek students and the academic community. Students of junior or senior status with a 3.5 cumulative GPA are eligible.

**Kappa Delta Pi**, an international honorary in Education, installed its Psi Zeta chapter at Marietta in 1997. It was founded March 8, 1911, at the University of Illinois. It recognizes scholarship and excellence in education, promotes the development and dissemination of worthy educational ideas and practices, enhances the continuous growth and leadership of its diverse members, fosters inquiry and reflection on significant educational issues, and maintains a high degree of professional fellowship. Kappa Delta Pi elects those to membership who exhibit the ideals of scholarship, high personal standards, and promise in teaching and allied professions. Invitation requires a student of at least sophomore standing to have a 3.0 GPA and to have been admitted into the Education Program through the Education Department. (Faculty advisor: Dr. Marybeth Peebles)

**Kappa Mu Epsilon**, national honorary mathematics society, installed its Ohio Epsilon chapter at Marietta in 1960. Credit for Mathematics 225 or 235 or a 300-level Mathematics course and registration in Mathematics 225 or 235 or a 300-level course, with a 3.0 average in all mathematics courses completed, and a 2.75 cumulative average are required for membership. The chapter generates interest in mathematics by co-sponsoring visiting speakers and offers free tutoring to mathematics students who need help at introductory levels. (Faculty Advisor: Dr. John Tynan)

**Kappa Pi**, the international Art honorary was established in 2004. Requirements for membership are: twelve credit hours in art history, graphic design, or studio art; a 3.0 GPA in all art classes; and an overall 3.0 GPA. (Faculty advisor: Prof. Jolene Powell)

**Lambda Pi Eta** is the official communication studies honorary of the National Communication Association. To be eligible for membership, a student must have completed at least 60 semester hours, of which 12 must be in communication studies, have a cumulative GPA of at least 3.0, have a communication studies GPA of 3.25, and be in the upper 35% of one's graduating class. (Faculty advisor: Dr. Liane Gray-Starner)

**Omicron Delta Epsilon** is an economics honorary. Criteria for membership are 12 hours of economics coursework with a 3.0 overall GPA. (Faculty advisor: Dr. Greg Delemeester)

**Omicron Delta Kappa** is the National Leadership Honorary that recognizes and encourages superior scholarship, leadership, and character. It recognizes achievement in scholarship, athletics, campus and community service, social and religious activities, campus government, journalism, speech, mass media, and the creative and performing arts. Members must be in the upper 35 percent in scholarship of the College and must show leadership in the above areas. Members are usually selected twice a year after the completion of an extensive questionnaire that is used for the consideration of new members. (Faculty advisor: Dr. Mabry M. O'Donnell)

**The Order of Omega** recognizes those students who have attained a high standard of leadership in inner-Greek activities, encourages them

to continue along this line, and inspires others to strive for similar conspicuous attainment. Members are junior and senior students with a cumulative GPA of 3.00 who have demonstrated leadership in campus, Greek life, and civic activities. (Contact Person: Ms. Lynne Miller)

**Phi Alpha Theta**, national history honor society, installed its Gamma Mu chapter at Marietta College in 1950. The fraternity promotes the study of history and provides recognition for students who have distinguished themselves in this field. Membership requires a 3.0 overall GPA with 12 hours in history with at least a 3.1 GPA. (Faculty advisor: Dr. James H. O'Donnell)

**Phi Sigma Iota** is an honor society whose members are elected from among outstanding advanced undergraduate and graduate students of foreign languages and literature, including Classics, Comparative Literature, Philology, Bilingual Education, and Applied Linguistics, as well as faculties of the institutions honored with a chapter. Phi Sigma Iota honors undergraduate students with at least a B average in their entire college work, as well as in all courses in languages and graduate students with at least a B+ average. (Faculty advisor: Dr. Jamie Rees-Miller)

**Pi Epsilon Tau**, a national honor society for students in petroleum engineering, installed its Zeta chapter at Marietta in 1951. The society's purpose is to foster a closer bond among its members and the petroleum industry, and to maintain the high ideals and standards of the profession. (Faculty advisor: Dr. Robert W. Chase)

**Pi Kappa Delta** is a national honorary forensic society. Marietta's chapter, Ohio Zeta, was established in 1926. Students who have participated in intercollegiate debate and individual speech events are eligible for membership. (Faculty advisor: Dr. Mabry O'Donnell)

**Pi Sigma Alpha** is the national honor society in political science. Marietta's Psi Nu chapter was established in 2000. The organization promotes the study of politics and provides recognition for junior and senior students who have distinguished themselves in this field. Membership requires a 3.0 overall GPA with 12 hours in political science with at least a 3.1 GPA. (Faculty advisor: Dr. Michael Tager)

**Psi Chi** is the national honor society in psychology. To be selected for membership, a student must have at least a 3.0 GPA, be ranked in the top 35 percent of his or her class and have completed 12 semester hours in psychology. This organization promotes the study of psychology and recognizes students who have distinguished themselves in the field. (Faculty advisor: Dr. Alicia Doerflinger)

**Sigma Delta Pi** is the National Collegiate Hispanic Honor Society whose members are elected from among outstanding advanced students of Spanish. Members must have a 3.2 overall GPA, a 3.0 GPA in all coursework done in Spanish, and must have completed or be enrolled in a 300-level course in Hispanic literature or Hispanic civilization and culture. (Faculty advisor: Dr. Richard K. Danford)

**Sigma Pi Sigma** honors outstanding scholarship in physics, encourages interest in physics, promotes an attitude of service, and provides a fellowship of persons who have excelled in physics. Members must be a physics major or minor with at least a 3.25 overall GPA and a 3.00 GPA in 16 credit hours of physics courses. (Faculty advisor: Dr. Dennis Kuhl)

**Sigma Tau Delta** confers distinction for high achievement in English language and literature, to promote local interest in literature and the English language on campus, and to foster the discipline of English in all its aspects, including creative and critical writing. (Faculty advisor: Dr. Joseph M. Sullivan)

**The Society for Collegiate Journalists** is a national honorary society for collegiate mass communications. It is a non-profit organization operating on campuses of fully recognized and accredited colleges, universities, and institutions awarding degrees upon completion of a four-year program. Initiation requires a student to have been active in journalism or broadcasting for one full year at the institution, do it well, and have good grades.

**Tau Pi Phi** honors outstanding students in majors in the Business & Economics department. Requirements are 15 hours in courses taught in the department with a 3.2 GPA, plus a 3.2 overall GPA. Members have the opportunity to participate in the annual Tau Pi Phi case competition.

## Greek Letter Societies

Social fraternities, with the dates each Marietta chapter was founded, are: Alpha Tau Omega, 1890; Delta Tau Delta, 1967; and Lambda Chi Alpha, 1925.

Social sororities, with the dates of founding of the Marietta chapters, are: Alpha Xi Delta, 1945; Chi Omega, 1923; Sigma Kappa, 1944.

**Alpha Tau Omega** is a national social fraternity that seeks to cultivate the elements of success and utilize those elements to create a positive and rewarding future for today's men. The organization seeks out the values and responsibilities of the modern world and greets them accordingly.

**Alpha Xi Delta** is a national social sorority. A true spirit of friendship among all its members is the most significant purpose of Alpha Xi Delta. The organization also promotes scholarship, community service, campus involvement, and character.

**Chi Omega's** purposes are friendship, high standards of personnel, sincere learning and credible scholarship, career development, participation in campus activities, and community service. The local chapter is affiliated with the National Chi Omega Sorority. Criteria for membership include a woman with academic achievement and participation in rush.

**Delta Tau Delta**, an international fraternity, is a social body with a strong emphasis on academics and strengthening of community. Deltas seek to enhance their college experiences through various brotherhood, academic, and philanthropic activities. Membership is granted through the extension of a bid. All initiated members must maintain good academic standing within the College.

**Lambda Chi Alpha** fraternity creates a family relationship among its members. Its mission is to bring together a group of young men who will be congenial, loyal, and helpful to one another. Lambda Chi Alpha recognizes that during their college years a student's first priority must be his scholastics. Members also support their local communities through community service and philanthropic efforts. Membership is granted through the extension of a bid.

**Sigma Kappa** is a social organization of collegiate and alumnae women committed to promoting the ideals of life-long friendship, intellectual, and spiritual fulfillment and service to the greater good. The Beta Theta chapter builds sisterhood through community involvement and additionally holds two retreats and two formals each year.

## Greek Governing Organizations

**Greek Council** is the governing body of all Greek letter organizations on campus. Membership is comprised of the presidents from each of Marietta's Greek chapters. The Council sponsors many activities and guest speakers. Greek Week is one of the traditional and major programs sponsored by Greek Council.

**The Interfraternity Council** aids in the growth and development of each fraternity, maintains good relations with the College and Marietta community, sustains an atmosphere of good will and harmony under which each fraternity may effectively function, and provides a medium of communication and cooperation between each group.

**Panhellenic Council** is the governing body of all three sororities. To be a member of the council, students must be a Greek woman who is elected to the council by her chapter. The Panhellenic Council is in charge of recruitment and participates in Greek Week.

## Clubs and Organizations

**The A-List** stands both in its purpose and as an acronym for the awareness of local and international societies and trends. The group meets to discuss current events in areas including but not limited to international affairs, domestic issues, the arts and popular culture.

**The American Chemical Society** (student affiliates) facilitates interaction of students interested in chemistry with faculty and the professional chemistry world. Programs include speakers, field trips, community outreach, and social activities (Faculty advisor: Dr. Kevin Pate)

**The American International Association (AIA)** has three main purposes: 1) to increase the positive interactions and understandings between American and International students at Marietta College; 2) to support the Marietta College core value of globalization by exposing students to different cultures; and 3) to have fun! The American International Association is open to any member of the Marietta College community who wishes to learn new cultures and meet interesting people. AIA—your bridge to cultural awareness!

**Arts and Humanities Council** has four purposes: to provide an atmosphere conducive to and supportive of creative and artistic endeavors, to create an on-campus residence community for individuals who share a common respect and interest for the fine arts and the humanities, to offer a variety of programming and social opportunities for the entire campus relating to the arts and humanities, and to promote pre-existing campus organizations in the humanities and arts.

**The Asian Studies Club** exists to promote Asian cultural awareness. Asian students interact with US students to help bridge language, cultural and other barriers. Both Asian and US students share information, skills, games, songs, food, crafts, films, literature, etc. from their homeland and history, as well as study and/or trips abroad.

**The Association for Computing Machinery** has three main purposes. The association facilitates an increased knowledge of the science, design, development, construction, language, and application of modern computing machinery; fosters an environment for the expression of technical knowledge and exchange; creates discussion of programming principles, data structures, and program organization.

The purpose of the **MC Student Athletic Trainer Organization** is to gather those interested in the field of sports medicine. The organization offers services to the College campus, including speakers, volunteer services, and social activities. (Faculty advisor: Professor Sam Crowther).

**Campus Crusade for Christ and Athletes in Action** is an interdenominational Christian organization. The organization is designed to provide students a spiritual resource and to aid developing college students in their personal lives, evangelism and discipleship.

**The Charles Sumner Harrison Organization's** mission is to bring more unity between the minority students at Marietta College, as well as to bridge the gap between the minority students and other students and faculty. Through increased unity on campus the organization hopes to create an environment where every minority student will fill comfortable.

**Christmas on Campus** provides less fortunate children from the Mid-Ohio Valley with a Christmas celebration that they might otherwise not receive.

**Circle K** is a collegiate service club sponsored by Kiwanis International. The club seeks to strengthen citizenship and leadership skills through service to the campus and community. Any enrolled student may become a member. (Faculty advisor: Dr. Michael Tager)

**College Democrats** is an affiliate of the Ohio Young Democrats of America, the Young Democrats of America, the Ohio Democratic Party and the Democratic National Committee. The members encourage an interest in governmental affairs at all levels through campaign work, discussion and debate, voter registration programs and leadership within the college and community.

**College Republicans** exists to promote Republican ideas and principles on the Marietta College campus, to assist local and state branches of the party, and to provide a forum where students of like political ideals can work together at strengthening the Republican Party.

**College Union Board (CUB)** works to provide social, cultural, educational, and recreational programs for the Marietta College campus community. CUB is open to all students who have an interest in planning and implementing such programs. Movies, comedians, dances, coffeehouse performers, travel, and lectures are all programs sponsored by the Board. In addition, College Union Board plans major weekend programs such as Homecoming, Family Weekend, Little Sibs Weekend and Doo Dah Day. CUB also programs extensively in the "Gathering Place," an alternative student center.

The purpose of the **Commuter Council** is to provide an opportunity for commuter students to become more involved and voice their opinions. The council works towards meeting the needs of commuter students, coordinates commuter-related events, and maintains open communication with commuter students.

**Dance Team** is a club-sport team. Dance Team provides entertainment at football and basketball halftime events. A dance camp is held each year for area dancers.

**The Marietta College Forensics Team** welcomes all students to participate in individual speech events and debate. The forensics team hosts the Ruth A Wilcox Forensics Tournament each fall and travels to other competitions throughout the year. Interested students should contact Dr. Mabry M. O'Donnell, Department of Communication and Media Studies, Mills Hall.

The purpose of **G.A.M.M.A.** is to raise awareness of high-risk behaviors through educational and social programming. With a focus on positive values and Greek unit, G.A.M.M.A.'s goal is to partner with various campus and community organizations to reduce situations and environments in which high-risk behaviors occur.

**The Geological Society of Marietta College** undertakes to increase the knowledge of geology. Membership in the club is open to all students, faculty, and townspeople interested in geology. (Faculty advisor: Dr. Frederick Voner).

**The Charles Sumner Harrison Organization's** main purpose is to bring more unity between the minority students at Marietta College, as well as to bridge the gap between the minority students and other students and faculty. The organization hosts many events, such as cookouts, talent shows, monthly outings, etc. to try and help the minority students adjust and feel more comfortable during their years at MC. The organization will also represent the minority voice and advocate in a positive manner for any changes that are needed within the College.

The purpose of the **Honors House** is to foster a positive learning and living environment. A member of the Honors House must have at least a 3.0 GPA, and participate in the tutoring program that the honors house offers for the College community.

The **Independent Musicians' Club** exists to promote, organize, and encourage music events on campus. The club organizes multiple concerts each semester and publishes a compilation album featuring Marietta College artists.

The **Independent Poetry Club** consists of students who read, write, listen to and/or perform poetry. The club reviews poetry performances in the western world as well as holding poetry readings and slam poetry competitions.

The vision of the **Intervarsity Christian Fellowship** is to build collegiate fellowships, develop disciples who embody biblical values, and engage the campus in all its ethnic diversity with the Gospel of Jesus Christ. Inter-varsity Christian Fellowship is geared to train and support Christian students. This is accomplished through other students and a trained professional staff. Through Bible studies, large and small group meetings, and social events, Intervarsity's goal as an evangelistic fellowship is to make known to the campus the love of Christ. Any student, faculty, or staff member is welcome to attend.

The main purpose of the **Japanese Animation Club** is to bring people together to learn and enjoy Japanese culture through its animation.

The **Marietta College Math Club (MC)<sup>2</sup>** provides opportunities which foster interest among members in mathematics through attending regional meetings and competitions.

**The MC Model United Nations** club is a student organization devoted to learning about international politics by preparing for and participating in inter-collegiate simulations, where students role-play delegates from different countries in committees of the United Nations. At the simulations, students try to pass resolutions that address international problems in a way favorable to the representative country's interest. (Faculty advisor: Dr. Michael Tager).

**National Broadcasting Society** is an organization created for students and professors pursuing a career within the electronic media field. NBS is also organized to help students make the transition from college to the professional media world.

**The Newman Community** is a student organization that is centered on God. Activities are based on service, education, worship, and fellowship. Newman is a primarily catholic organization yet members of any faith are welcome.

**Omicron Chi Theta** is a women's social club which provides women a change to spend time and socialize with other campus women. The club participates in various community service projects and holds several social events (dinners, retreats, etc.) each semester. Twice a semester, the club invites women on campus to a social event in an attempt to recruit new members.

**The Marietta College Physician Assistant Student Society's** purpose is to serve southeastern Ohio by raising awareness and by providing information and services regarding medical issues on a local, state, and national level.

**The Pre Law Club** provides general information, group activities, and individualized preparation for students who want to succeed in law school after graduation for Marietta. All members of the Marietta campus community are eligible. (Faculty advisor: Dr. Mark Schaefer).

The main purpose of the **Pre-Med Club** is to assist students in their decision to choose an occupation in the field of healthcare, as well as provide healthcare support to students and faculty. The organization is involved in sending weekly health tips, holding MCAT and GRE practice test sessions, inviting healthcare speakers to the college and promoting the awareness of a health-related illness each month.

**The Psychology Club** is a group of students and staff joined together to promote the advancement of psychology as a field of study. As a club, money is raised for various charities and to fund the organization's annual trip to SEPA. Throughout the year, meetings are held to plan activities and discuss issues relevant to the field of psychology.

**The Marietta College Rainbow Alliance** seeks to educate the campus and Marietta community on gay issues, gay politics, and gay culture while also promoting a safe environment for gay and lesbian students on the Marietta College campus.

The goal of the **Marietta College Recycling Club (MRCR)** is to aid the Physical Plant in campus recycling. A group of dedicated, environmentally conscious students will volunteer their time to the betterment of Marietta College by addressing not only the Service value, but also the Global of our Core. Students will pickup recycled goods from designated areas and drop these goods off at the Physical Plant.

The purpose of **Relay for Life** is to spread awareness about cancer and research by coordinating and executing fundraising events for the American Cancer Society on the Marietta College Campus.

**The Marietta College Role-Playing Game Association (MCRPGA)** encourages the playing of all forms of role playing games. The organization attempts to be a way for people with similar interests to meet each other. Further, the MCRPGA represents itself in appropriate on-campus activities in order to make Marietta College a more well rounded institution.

**The Society of Petroleum Engineers (SPE), Inc.** is an international technical/professional organization dedicated to the advancement of technology associated with the recovery of energy resources from the earth. It is one of the largest technical/professional associations in the world with more than 53,000 members residing on 6 continents in more than 90 countries. Through a vast array of SPE programs, ranging from publications to international and regional conferences to section meetings, new technical information and technology is exchanged among Society members and other industry professionals.

**The Society of Physics Students** promotes the interest in and exposure to physics on campus.

The purpose of the **MC Step Team** is to bring the art of stepping and precision dance drill movements to the campus. MC Step Team is open to all students who want to learn to step, love to perform, and meet new people.

**The Student Alumni Council (SAC)** is an organization for the purpose of connecting alumni and students. It is designed to introduce current students of the college to the alumni association and what it does. Students participate in alumni events, mentoring programs, company visits, alumni speakers, etc. in order to help students benefit from "The Long Blue Line." SAC works to build future MCAA leaders and to promote pride and loyalty in Marietta College that continues beyond graduation. SAC is a partner of the Alumni Relations Office and the Career Center.

The purpose of the **Student Athletic Advisory Council** is to encourage unity, common purpose, and camaraderie between teams and among all athletes. Promote the publicity and recognition received by our student-athletes. Evaluate the MC athletic program and make recommendations to the administration for the improvement of the student-athlete's academic, athletic, and social experiences. Promote and support athletics at institutional, conference, and national levels, which would include the review of proposed legislation at various levels. Serve as a vehicle through which the College may discuss with student-athletes issues regarding the management, operation, and rules that govern the Athletic Department and its sports teams.

**The Student Global AIDS Campaign (SGAC)** is a national movement committed to bringing an end to HIV and AIDS in the US and around the world through education, informed advocacy, media work and direct action.

The purpose of the **Student Senate of Marietta College** is to provide capable, representative, and responsible leadership in student-life and activities, and to provide a legitimate channel through which the views of the student body may be represented to the other segments of the College community.

The **Teacher Education Association of Marietta (TEAM)** is dedicated to supporting the academic, professional, and special interests of those involved in the education department at Marietta College.

**Up 'til Dawn** is a student-led, student-run fundraising program hosted by colleges and universities nationwide. Up 'til Dawn unites students, faculty and the surrounding community in an effort to support the life-saving treatment and research of St. Jude Children's Research Hospital.

**Marietta Visitation Planners** provide a service to the admission office by coordinating hosts for overnight visitors, recruiting new hosts, and helping at admission functions on campus. MVP members also assist the Admission office with Open House and other special events. (Contact person: Ms. Cheryl Howell).

**VOICE** exists to increase awareness of all types of assault and abuse. The organization offers support to survivors, reviews school policies, and provides educational opportunities.

## Recreation and Athletics

Physical education, intramurals, and intercollegiate athletics are conducted for the purpose of giving every student general physical training under experienced supervision.

Marietta College regards varsity intercollegiate athletics as an integral part of the total educational experience of the student. It is the policy of the College to provide a broad and diversified program of intercollegiate sports commensurate with its educational objectives. Marietta's men and women compete under the auspices of Division III of the National Collegiate Athletic Association. At present, the men participate in eight intercollegiate sports: baseball, basketball, crew, cross country, football, soccer, tennis, and track. Women participate in eight intercollegiate sports: basketball, crew, cross country, soccer, softball, tennis, track, and volleyball. Most intercollegiate competition is with the other member schools of the Ohio Athletic Conference: Baldwin-Wallace College, Capital University, Heidelberg College, John Carroll University, Mount Union College, Muskingum College, Ohio Northern University, Otterbein College, and Wilmington College.

The intramural program includes: basketball, football, soccer, softball, and volleyball. Each participating organization elects a student representative to serve as the liaison with the intramural staff. The Athletic Department administers the intramural program.

Physical education classes offer each student an opportunity to select one or more activities of interest to satisfy College requirements in addition to fulfilling a desire to improve individual skills and body conditioning. The Dyson Baudo Recreation Center, the Boathouse, and the track at Don Drumm Stadium provide facilities for a variety of physical activities including Nautilus/Universal weight training equipment and a fully equipped fitness room.

A program of club and recreational sports allows for intramural competition. It also offers specific sports activities if there is sufficient student demand. Current club and recreational sports include the following:

**The Brazilian Ji-Jitsu Club** spreads knowledge of the martial art of Brazilian Ji-Jitsu. The club equips its members with the skills and confidence needed to defend themselves while having fun in the process.

The purpose of the **Marietta College Cheerleaders** is to provide support for MC Athletics, and also foster participation from the student body. Members must try-out and be selected by a committee to become a member of the squad. (Contact person: Ms. Sue Kinnett).

**The Kuk Sul Do Club of Marietta College** focuses its efforts on the involvement in this martial art. Students attending classes will be challenged physically and mentally. Mediation, proper Korean etiquette, self defense techniques and forms are practiced.

**Marietta College Friends of Rowing Club** is open to the entire Marietta College community. The goal of the program is to provide the opportunity to learn how to row. Fitness and wellness opportunities are provided and a limited fall race schedule is operated.

**The Kenjutsu Club** purpose is to educate students in historical martial arts and to provide an unique exercise program. The club focuses primarily on European and Japanese fencing.

**The Marietta College Lacrosse Club** participates in a competitive men's lacrosse league against other college programs.

**The Paintball Club's** primarily goal is to provide MC paintball players an organized meeting place to participate in the sport.

**The Marietta College Swim Club** purpose is to provide an opportunity for former swimmers to practice and compete with one another. Together the club creates the team spirit swimmers knew and loved in high school and bring additional college spirit to campus.

**The Ultimate Frisbee Organization** gets together twice a week to play friendly games of Ultimate Frisbee. They also travel to other colleges in order to play as well as hosting a Marietta College Ultimate Frisbee tournament.

## Forensics

All students are welcome to participate in individual speech events and debate. The forensics team hosts the Ruth A. Wilcox Forensics Invitational Tournament each fall and travels to other competitions throughout the year. Interested students should contact Dr. Mabry M. O'Donnell, Department of Communication and Media Studies, Mills Hall.

## Music Activities

### Oratorio Chorus

In existence for over 75 years, the Oratorio Chorus performs major choral/orchestral works each semester, including its annual performance of Handel's Messiah and is open to both Marietta College students, faculty, and members of the community. No audition is required.

### Men's Ensemble

The Women's Choir is open to all students and performs a variety of musical styles suitable for female voices. No audition is required.

### Women's Choir

The Women's Choir is open to all students and performs a variety of musical styles suitable for female voices. No audition is required.

### Concert Choir

The Concert Choir is a select chorus open to all students by informal audition (no prepared solo is required). As the primary touring ensemble of Marietta College the choir has performed throughout the United

States and abroad. Concert tours are scheduled annually during the week following commencement activities in early May. Auditions may be scheduled during Freshman Orientation or the first week of classes in the fall or spring terms.

### Chamber Singers

The Chamber Singers are a select group of 8 to 12 singers that perform a wide variety of musical styles, but focus primarily on vocal jazz. These singers perform frequently within the Marietta community. Auditions are held the first week of fall term.

### Musical Theatre Productions

The Marietta College Theatre and Music departments jointly present one musical production per year with performing roles open to all students by audition. Opportunities are also available for students interested in technical aspects of a production or performing with the pit orchestra.

### Symphonic Wind Ensemble

The Symphonic Wind Ensemble provides students with the opportunity to rehearse and perform high quality wind band literature with emphasis placed on both individual and group improvement. Both large and chamber ensemble music is programmed for each concert with the intent of providing members with a wide variety of performing experiences. Instructor permission is required to enroll.

### Jazz Ensemble

The Jazz ensemble provides exposure to high quality jazz literature with emphasis placed on jazz styles and performance practices. Instructor permission is required to enroll.

## Publications, Radio, and Television

*Confluence* is a literary magazine that carries poems, fiction, art, and photography. It is published jointly by Marietta College and the Ohio Valley Literacy Group. It contains works by students, faculty, and area residents. Its purpose is to provide an outlet for literary works and to give interested students the opportunity to participate in the operations of a magazine.

*The Marcolian* is a bi-weekly student newspaper. The organization provides hands-on experience in newspaper production and operations. Membership is open to all interested students.

*Mariettana*, the Marietta College yearbook, records the activities of the Marietta College community. Students assist with publication of the book, which is supplied to all students.

**WCMO-FM, 98.5**, is a 10-watt radio station that went on the air on Oct. 1, 1960. A training station for students who are interested in broadcasting, WCMO broadcasts to the campus and local community a varied program including contemporary music, news from the Associated Press, and local events. The station operates during the academic year.

**WCMO Television** creates a realistic and challenging learning environment, thereby heightening the educational laboratory experience of students. WCMO provides television programming to the Marietta Community on a semester-by-semester schedule on the local cable TV system.

**WMRT-FM, 88.3**, a 9,200-watt stereo station, broadcasts classical and jazz music, The Metropolitan Opera, local news, and some Marietta College sports. The station is staffed by students and broadcasts all year, 24 hours a day.

# Directories

## Officers of the Corporation

During the 2007-08 academic year, the following served as officers of the corporation:

### T. Grant Callery '68

Chair

### George W. Fenton

Vice Chair

### Jean A. Scott

President of the College

### William H. Donnelly '70

Secretary

### Daniel C. Bryant

Treasurer

## Trustees of the College

### Active Members

The following were members of the Board of Trustees of Marietta College for the 2008-09 academic year:

### Class of 2009

#### Frank L. Christy

President, Christy & Associates Inc., Marietta, OH

#### Douglas M. Griebel '74

President-Partner, Rosa Mexicano/RM Hospitality Group, Inc., New York, NY

#### Nancy P. Hollister

Marietta, OH

#### Cynthia A. Reece '78

Technical Computing Manager, Upstream Information Technology, ExxonMobil Corporation, Houston, TX

#### Donald G. Ritter '81

President, TriTex Resources LLC, Addison, TX

#### David B. Smart '51

Retired Vice President and Director of Food Enterprises Division, Ralston Purina Co., Ballwin, MO

### Class of 2010

#### Anna Bowser Bailey '87

Vienna, WV

#### Barbara A. Perry Fitzgerald '73

Retired Senior Vice President, Store Operations, PetSmart, Inc. Phoenix, AZ

#### Robert C. Hauser '71

Founder/Senior Consultant, OnCall LLC, Cincinnati, OH

#### Daniel J. Jones '65

Real Estate Broker, Old Colony Realtors, Marietta, OH

#### John B. Langel '70

Partner, Ballard Spahr Andrews Ingersoll LLP, Philadelphia, PA

#### William F. O'Grady, Jr., '70

Delray Beach, FL

#### Leonard M. Randolph, Jr. '65

Senior Vice President and Chief Medical Officer, Mercy Health Partners, Cincinnati, OH

#### Donald W. Strickland '66

Attorney at Law, Siegel, O'Conner, O'Donnell & Beck, P.C., Hartford, CT

### Class of 2011

#### Penelope E. Adams '72

Freelance TV Producer, Richmond, VA

#### Christine L. Burns '66

Pediatric Ophthalmologist, Specialty Eye Care, Palm Harbor, FL

#### Patricia G. Curtin '69

Presiding Justice of the Dedham Division of the District Court, Department of the Commonwealth of Massachusetts, Trial Court of the Commonwealth of Massachusetts, Boston, MA

#### C. Brent McCurdy '68

Retired, Mt. Pleasant, SC

#### Dale L. Wartluft '63

Retired, Dunwoody, GA

#### Patricia Loreno Willis '70

Executive Director, Voices for Georgia's Children, Atlanta, GA

### Class of 2012

#### Mark F. Bradley

President and CEO, Peoples Bancorp Inc., Marietta, OH

#### J. Roger Porter '66

Retired, West Paterson, NJ

#### Charlene C. Samples '77

Marketing Consultant, Fishers, IN

### Class of 2013

#### Robert M. Brucken '56

Retired Partner, Baker & Hostetler, LLP, Cleveland, OH

#### T. Grant Callery '68

Executive Vice President & General Counsel, Financial Industry Regulating Authority (FINRA) Washington, DC

#### Joseph A. Chlapaty

President & CEO, Advanced Drainage Systems, Inc, Hilliard, OH

#### George W. Fenton

President, Fenton Art Glass Co., Williamstown, WV

#### C. Brent McCoy

Executive Vice President, Lamar Advertising Company, Baton Rouge, LA

#### David H. Rosenbloom '64 L.L.D. '94

Distinguished Professor of Public Administration, American University, Washington, DC

#### Frank M. Schossler, '86

Chief Financial Officer, Installed Building Products, Inc., Columbus, OH

### Ex-officio

#### Jean A. Scott

President, Marietta College, Marietta, OH

## Emeriti/ae Members and Life Associate Members

The following have served as members of the Board and their service has been recognized by appointing them as either Emeriti/ae Members (E) or Life Associate Members (L). The year after the name indicates the year of appointment as a trustee and the second number indicates the number of years of service given.

- (L) **Alan A. Baker '54, LLD. '99**  
Houston TX, 1978, 5 years
- (L) **Joseph F. Barletta, '59**  
Napa, CA, 1980, 5
- (L) **Betsey E. Beach '60**  
Durham, NC, 1981, 10
- (L) **Robert D. Bedillion '70**  
Vienna, WV 1997, 6
- (L) **Thomas R. Benua, Jr. '67**  
Naples, FL, 1988, 5
- (E) **Jerry A. Brock**  
Marietta, OH, 1982, 20
- (L) **James D. Buckwell '61**  
New Britain, CT, 1990, 5
- (L) **Nancy J. Cable '75**  
Charlottesville, VA, 1996, 7
- (L) **Thomas G. Carbonar '60**  
West Los Angeles, CA, 1992, 5
- (L) **Carolyn Osburn Carlson '58**  
Boston, MA, 1985, 7.5
- (E) **F. Leonard Christy**  
Marietta, OH, 1955, 23
- (E) **Timothy O. Cooper '73**  
Bryson City, NC, 1994, 10
- (E) **Eric S. Dobkin '64 LLD. '95**  
New York, NY, 1986, 16
- (L) **William H. Donnelly '70**  
Marietta, OH, 1986, 14
- (L) **Robert R. Dyson '68, LLD '04**  
New York, NY, 1976, 3
- (L) **Ben A. Eaton '62**  
Fort Worth, TX, 1992, 2
- (E) **Harry H. Esbenshade, Jr.**  
Vienna, WV, 1978, 15
- (E) **C. David Ferguson, '63 LLD '01**  
Concord, OH, 1990, 10
- (L) **Jeanne Clare Feron '50**  
Troy, NY, 1975, 5
- (E) **John N. Gardner '65, LLD '85**  
Brevard, NC, 1994, 12
- (L) **Peggy L. Golden '71**  
St. Simons Island, GA, 1987, 5
- (L) **Aaron L. Handleman '68**  
Washington, DC. 1985, 7
- (L) **John F. Havens**  
Naples, FL, 1973, 10
- (E) **Kevin M. Henning '69**  
Findlay, OH, 1988, 14.5
- (L) **Kathleen Ruddy Henrichs '71**  
Evanston, IL, 1971, 4
- (L) **John B. Hexter '67**  
Cleveland, OH, 1983, 5
- (L) **Charles E. Hugel**  
Melvin Village, NH, 1977, 1
- (E) **John K. Hushion**  
Marietta, OH, 1972, 22
- (L) **Laban P. Jackson, Jr.**  
Lexington, KY, 1994, 6.5
- (L) **Henry J. Jelinek, Jr. '68**  
Oakville, ON, Canada, 1995, 4
- (E) **Robert D. Johnson**  
Marietta, OH, 1978, 14
- (L) **Philip J. Kaszar '78**  
Hudson, OH 1993, 7
- (E) **Richard M. Krause '47 ScD '78**  
Bethesda, MD, 1979, 22
- (L) **Raynald A. Lane '56**  
Springboro, OH, 1970, 8
- (L) **D. Larry Lemasters '62**  
Ponte Vedra, FL, 1989, 6
- (E) **Ross W. Lenhart '66**  
Atlanta, GA, 1993, 10
- (E) **Georgia E. Lesh-Laurie '60**  
Al-Ain, UAE, 1979, 15
- (L) **Thomas F. Lugaric '57**  
Cedar Grove, NJ, 1984, 5
- (L) **Creel C. McCormack '71**  
Atlanta, GA, 1993, 5.5
- (E) **John G. McCoy '35, LL.D.'81**  
Columbus, OH, 1966, 21
- (E) **Virginia Buchanan McCoy**  
Parkville, MO, 1996, 10
- (L) **Charles S. Mechem, Jr.**  
Loveland, OH, 1971, 9
- (E) **William E. Mildren, Jr.**  
Sheldon, SC, 1996, 9
- (L) **Robert P. Monter '62**  
Xenia, OH, 1997, 5
- (E) **Norman J. Murray '39**  
Marietta, OH, 1962, 18
- (L) **Charles H. Nelson '74**  
Hershey, PA, 1992, 7
- (L) **Harry J. Robinson '48**  
Marietta, OH, 2001, 5
- (L) **Samuel B. Ross II**  
Parkersburg, WV, 1996, 1
- (L) **Charles D. Schmidt '53**  
Amelia Island, FL, 1980, 10
- (E) **Robert E. Showalter '59**  
Lexington, KY, 2000, 7
- (L) **Laura A. Baudo Sillerman '68**  
New York, NY. 1991, 5
- (L) **Ellen E. Snediker '52**  
Marietta, OH, 1992, 5
- (L) **Charles W. Snodgrass '65**  
London, England, U.K., 1981, 5
- (L) **Mary Beth Rhoads Sommers '75**  
Sterling, VA, 1975, 4
- (L) **Jeffrey A. Starner '75**  
Marietta, OH, 1994, 5
- (L) **Kenton C. Tekulve '69 D.HUM '99**  
Pittsburgh, PA, 1995, 5
- (E) **Elsa E. Thompson '56**  
Marietta, OH, 1986, 13
- (L) **R. Peter Toohy**  
Houston, TX, 1971, 5
- (L) **Dale W. VanVoorhis '63**  
Hiram, OH, 1998, 2 1/2
- (L) **John A. Weisser, Jr. '64**  
Bedford, NY, 1982, 10
- (L) **David W. Worthington '66**  
Naples, FL, 1998, 5

## Faculty of the College

The following faculty members were on the staff of the College for the 2008-09 academic year and are continuing into the 2009-10 year. The section also reflects changes made as of the date of the Catalog for the 2009-10 year. The dates following the title are the year the individual joined the Marietta College staff, not necessarily the date of the current position.

### Jean A. Scott

*President of the College and Professor of History, 2000*  
A.B. Westhampton College, University of Richmond, M.A., Ph.D. Harvard University

### Sara Alway

*Assistant Professor of Art and Graphic Design 2009*  
B.F.A. New York College of Ceramics, Alfred University, M.F.A. Tyler School of Art, Temple University

**Dale R. Ames**

*Assistant Professor of Management and Accounting, 2008*  
B.S., M.B.A., M.P.E. University of Florida,  
C.P.A.

**Douglas Anderson**

*Director of the Legacy Library and Associate Professor, 2005.*  
B.Mus, Ouachita Baptist University,  
M.Mus, The University of Texas at Austin,  
M.L.S. Kent State University, Ph.D. The  
Ohio State University

**Nathan P. Anderson**

*Assistant Professor of English, 2007*  
B.A., M.F.A. Eastern Washington  
University, Ph.D. Ohio University

**Jeanne Arbuckle**

*Head Women's Softball Coach, Instructor of Health and Physical Education, 1987*  
B.S. Slippery Rock University

**Merewyn Archer**

*Instructor in Music, Staff Accompanist, 2004*  
B.M. East Texas Baptist University, M.M.  
Baylor University

**Carolyn S. Backus**

*Assistant Professor of Education, 2006*  
B.A., M.A.Ed. Marietta College

**Mark A. Bagshaw**

*Professor of Management and Leadership, 1993*  
B.A., Ed.D. Pennsylvania State University,  
M.Phil. Yale University

**Mary Valaik Barnas**

*McCoy Professor of Psychology, 1994*  
B.S., Loyola College of Maryland, M.A.,  
Ph.D. West Virginia University

**Wendy Bartlett**

*Instructor in Geology, 2008*  
B.A., B.S. Marietta College, M.S. Texas  
A&M. University

**William M. Bauer**

*McCoy Associate Professor of Education, 2002*  
B.S., M.Ed. Ohio University, M.A. Ph.D.  
The Ohio State University

**Janet L. Bland**

*Associate Professor of English, 2005*  
B.A. University of Washington, M.A.  
Temple University, Ph.D. University of  
Denver

**Ann E. Bragg**

*Assistant Professor of Physics, Director of the Anderson Hancock Planetarium, 2008*  
B.A. Rice University, Ph.D. Harvard  
University

**Brian Brewer**

*Head Baseball Coach, Instructor of Health and Physical Education, 1999*  
B.A. Marietta College, M.Ed. John Carroll  
University

**David J. Brown**

*Associate Professor of Biology, 2002*  
B.S., M.S. Ohio University, Ph.D. Duke  
University

**Angela L. Burdiss**

*Automated Systems and Services Librarian, Assistant Professor, 1999*  
B.S. Bowling Green State University,  
M.L.S. Kent State University

**Dawn L. Carusi**

*Assistant Professor of Communication, 2003*  
B.S., M.A. West Chester University of  
Pennsylvania, Ph.D. Ohio University

**Timothy D. Catalano**

*Associate Professor of English, Director of the Campus Writing Center, 2001*  
B.A. Wilmington College, M.A. University  
of Dayton, Ph.D. University of Louisville

**Chaya Chandrasekhar**

*Assistant Professor of Art, 2009*  
B.A. Bangalore University, India, M.A.  
Case Western Reserve University, Ph.D.  
The Ohio State University

**Robert W. Chase**

*Benedum Professor of Petroleum Engineering, 1978*  
B.S., M.S., Ph.D. Pennsylvania State  
University

**Jennifer Childers**

*Assistant Professor of Physician Assistant Studies, 2008*  
B.S., B.S.M.S., M.S.P.A. Alderson  
Broaddus College.

**William Childers**

*Assistant Professor of Physician Assistant Studies, 2007*  
B.S., M.S. Alderson-Broaddus College

**Miranda M. Collins**

*Assistant Professor of Physician Assistant Studies, 2002*  
B.S. Alderson-Broaddus College, M.P.A.S.  
University of Nebraska, PA-C

**Jeffrey Cordell**

*Assistant Professor of Theatre, 2006*  
B.A. Marietta College. M.A. University of  
Pittsburgh

**Raymond Costa**

*Head Volleyball Coach, 2007*  
B.A. York College of PA

**Richard E. Crowther, ATC**

*Associate Professor and Director of Athletic Training Education, 1989*  
B.S. Bowling Green State University, M.S.  
University of Arizona

**Danika J. Cox**

*Assistant Women's Basketball Coach, 2007*  
B.S. Cumberland College, M.S. Oakland  
City University

**Jane Dailey**

*Assistant Professor of Mass Media, 2006*  
B.S. University of Rio Grande, M.S.  
Ohio University, Ph.D. Louisiana State  
University

**Richard K. Danford**

*Associate Professor of Spanish, Director of Latin American Studies, 1998*  
B.S., M.A. Ph.D. The Ohio State University

**Michael Deegan**

*Assistant Baseball and Cross Country Coach, 2003*  
B.A. Marietta College

**Gregory J. Delemeester**

*McCoy Professor, Milton Friedman Professor of Economics, 1986*  
B.S. Michigan State University, Ph.D.  
Texas A&M University

**Alicia M. Doerflinger**

*Assistant Professor of Psychology, 2007*  
B.S., Niagara University, M.S., Ph.D.  
Purdue University

**Debra Sue Egolf**

*Professor of Chemistry, 1989*  
B.S., Lebanon Valley College, Ph.D.  
Pennsylvania State University

**Dorothy Erb**

*Professor of Education, Divisional Coordinator of Social Science, Business, and Leadership Studies, 1991*  
B.S., Miami University, M.Ed., Ph.D. Ohio  
University

**James T. Falter**

*Associate Professor of Management, 2007*  
B.S., Miami University, M.B.A., University  
of Toledo, D.B.A. Nova Southeastern  
University

**Eric J. Fitch**

*Associate Professor of Environmental Science, 1997*  
B.S., St. Meinrad College, M.En. Miami University, Ph.D. Michigan State University

**David C. Freeman**

*Associate Professor of Petroleum Engineering, Assistant Dean for Assessment and Accreditation, 1992*  
B.S. Marietta College, M.S. University of Oklahoma

**Constance Golden**

*Professor of Education, 1988*  
B.S., M.A., Ed.D. West Virginia University

**Liane Gray-Starner**

*Associate Professor of Communication, 2001*  
B.A. Wittenberg University, M.A. Western Kentucky University, Ph.D. Ohio University

**John Grosel**

*Assistant Professor of Physician Assistant Studies, 2006*  
B.A. Miami University, M.D. The Ohio State University

**Brian Haines**

*Assistant Football Coach, 2006*  
B.A. Marietta College

**Jennifer A. Hancock**

*Instructor in Biology, 2008*  
B.A. Capital University, M.S. Ohio University

**Carolyn Hares-Stryker**

*McCoy Professor of English, 1992*  
B.A. University of California, Santa Barbara, M.A., Ph.D. University of California, Davis

**Kelly A. Harris**

*Head Women's Crew Coach, 2007*  
B.S. University of New Hampshire

**Beverly J. Hogue**

*Associate Professor of English, 2001*  
B.A. Asbury College, M.A. University of Kentucky, Ph.D. Bowling Green State University

**Patrick Holguin**

*Head Coach, Men's and Women's Soccer, 1998*  
Quinnipiac College

**Craig Howald**

*Assistant Professor of Physics, 2004*  
B.A. Carleton College, Ph.D. Stanford University

**Christine R. Ingersoll**

*Assistant Professor of Graphic Design, 2008*  
B.A. Hamilton College, M.A. Syracuse University, M.F.A. Stephen F. Austin State University

**Kenneth J. Itzkowitz**

*Henderson Professor of Philosophy, 1989*  
B.A. Vassar College, Ph.D. State University of New York, Stony Brook

**David L. Jeffery**

*Associate Professor of Geology, 2003*  
B.S. Marietta College, Ph.D. Texas A&M University

**James R. Jeitler**

*Assistant Professor of Chemistry, 2007*  
B.S. State University of New York at Buffalo, M.A., Ph.D. Clark University

**Grace F. Johnson**

*McCoy Professor of Management and Accounting, Director of Investigative Studies, 1989*  
B.S., M.S. University of South Florida, C.P.A.

**Jacqueline Khorassani**

*Associate Professor of Economics, 1994*  
B.A. College of Mass Communication, Tehran, Iran, M.S. University of Oregon, Ph.D. West Virginia University

**Marshall C. Kimball**

*Assistant Professor of Music, 2006*  
B.A., M.M. Ohio University

**Rita Smith Kipp**

*Professor of Asian Studies, Provost and Dean of the Faculty, 2007*  
B.A., University of Oklahoma, Ph.D. University of Pittsburgh

**Christopher Klein**

*Assistant Professor of Psychology, 2009*  
B.A., M.A., Ph.D. University of Alabama

**Dennis E. Kuhl**

*Rickey Associate Professor of Physics, 2002*  
B.A. College of Wooster, M.S., Ph.D. Michigan State University

**Debora A. Lazorik**

*Associate Professor of Health and Physical Education, 1980*  
B.A. College of St. Francis, M.S. George Williams College

**Scott Lewandowski**

*Assistant Professor of Computer Science, 2004*  
B.S. Clarkson University, M.S. University of Wisconsin Madison

**Robert Lipset**

*Assistant Professor of Petroleum Engineering, 2007*  
B.S. Kettering University M.S., Ph.D. Oakland University

**Nicole C. Livengood**

*Assistant Professor of English, 2008*  
B.A. University of Minnesota/Norris, Ph.D. Purdue University

**Katrina Lustofin**

*Assistant Professor of Biology, 2008*  
B.A. State University of New York at Buffalo, M.A. University of California, Davis, Ph.D. University of Illinois at Urbana-Champaign

**Fraser Glen MacHaffie**

*Professor of Management and Accounting, Executive Assistant to the President and Provost, 1982*  
B.Sc. University of Glasgow, Scotland, B.D. University of Edinburgh, Scotland, M.A. Princeton Theological Seminary, M.B.A. Cleveland State University, C.A. (Scotland), C.P.A.

**Guadalupe Madrid**

*Instructor in Spanish, 2008*  
B.S. Universidad de Carabobo, Venezuela, M.S. Universidad de Oriente, Venezuela, M.A. West Virginia University

**David Makuch**

*Assistant Professor of Theatre and Technical Director, 2006*  
B.F.A. Ohio University, M.F.A. Western Illinois University

**David Marchetti, Jr.**

*Assistant Professor of Sports Medicine, 2006*  
B.S., Lock Haven University, M.S., Salisbury University

**Jordan D. Mathias**

*Assistant Professor of Chemistry, 2009*  
B.S. Mary Washington College, Ph.D. University of Florida

**Ryan K. May**

*McCoy Associate Professor of Psychology, 2002*  
B.A. Anderson University, M.S., Ph.D. The University of Memphis

**Kathryn McDaniel**

*McCoy Associate Professor of History, 2001*  
B.A., Davidson College, M.A., Ph.D. Vanderbilt University

**Cavendish Q. McKay**

*Assistant Professor of Physics, 2006*  
B.S., Brigham Young University, Ph.D.,  
University of Wisconsin

**Robert M. McManus**

*McCoy Assistant Professor of Leadership  
Studies and Communication, 2005*  
B.A. Judson College, M.B.A. Olivet  
Nazarene University, Ph.D. Regent  
University

**David G. McShaffrey**

*Professor of Biology, 1989*  
B.S., M.S. University of Akron, Ph.D.  
Purdue University

**Jill E. Meiring**

*Head Women's Basketball Coach, 2007*  
B.A. Denison University, M.S., Eastern  
Kentucky University

**Holly Menzel**

*Instructor in Mathematics, 2004*  
B.A. James Madison University, M.A., M.S.  
University of Kentucky

**Matt Menzel**

*Associate Professor of Mathematics, 2004*  
B.A. Coe College, M.A., Ph.D. University of  
Kentucky

**Mark A. Miller**

*Associate Professor of Mathematics, 1999*  
B.S.E. John Brown University, M.S., Ph.D.  
University of Colorado at Denver

**Daniel G. Monek**

*Associate Professor of Music, Divisional  
Coordinator of Arts and Humanities, Director  
of the Esbenshade Program, 2000*  
A.A. University of Florida, B.M., B.S.  
University of South Florida, Ph.D.  
University of Edinburgh, Scotland

**Marilee Morrow**

*Assistant Professor of Mass Media, News  
Director/Sports Director, Director of the  
M.I.C.M. Program, 1998*  
B.S. Ohio University, M.A. West Virginia  
University

**Cathy Sue Mowrer**

*Assistant Professor of Education, 2003*  
A.A., Leeward Community College of  
Hawaii, B.Ed., University of Hawaii, M.Ed.,  
Cambridge College, Ph.D. Ohio University

**James H. O'Donnell III**

*McCoy Professor and Andrew U. Thomas  
Professor of History, 1969*  
B.A. Lambuth College, M.A., Ph.D. Duke  
University

**Mabry M. O'Donnell**

*McCoy Professor in Communication and  
Hillyer Professor in English Literature  
Rhetoric and Oratory, Director of Individual  
Events, 1969*  
B.A. Louisiana State University, M.A.  
University of Alabama, Ph.D. Bowling  
Green State University

**Kevin L. Pate**

*McCoy Associate Professor of Chemistry, 2001*  
B.S. Otterbein College, Ph.D. Yale  
University

**Marybeth Peebles**

*Associate Professor of Education, Director of  
the M.A.Ed. Program, 2001*  
B.A., Ph.D. University of Illinois, M.S.  
Indiana University

**Gamaliel Perruci**

*McCoy Professor of Leadership, Dean of the  
McDonough Center, 1999*  
B.A., M.I.J. Baylor University, Ph.D.  
University of Florida

**Ihor Pidhainy**

*Assistant Professor of History, 2009*  
B.A., M.Phil., Ph.D., University of Toronto

**Roger H. Pitasky**

*Professor of Mathematics, 1970*  
A.B., M.S., Ph.D. Rutgers University

**Sidney Potash**

*Professor of Leadership and Management,  
1974*  
B.S. Utica College, M.B.A., Ph.D. State  
University of New York, Buffalo

**Jolene Powell**

*McCoy Associate Professor of Art, 2002*  
B.A. West Virginia Wesleyan College, M.A.  
West Carolina University, M.F.A. Boston  
University

**Joan Price**

*Assistant Professor of Media Studies,  
Journalism 2009*  
B.S.J. Ph.D. Ohio University, M.S.J.  
Northwestern University

**Christopher J. Pucella**

*Head Men's Crew Coach, 2005*  
B.A., Ed.M. University at Buffalo

**Tanya Judd Pucella**

*Assistant Professor, Director of Civic  
Engagement, 2006*  
B.A., M.A., Ph.D., University of Florida

**Jessica Rager**

*Assistant Professor and Athletic Trainer in  
Sports Medicine, 2007*  
B.S. Wright State University, M.S.  
California University of Pennsylvania

**Janie Rees-Miller**

*Professor of Language and Linguistics,  
Director of English as a Second Language,  
1996*  
B.A. Oberlin College, M.A. American  
University of Beirut, Lebanon, M.A., Ph.D.  
State University of New York, Stony Brook

**Tomeka M. Robinson**

*Instructor of Communication, 2009*  
B.S. McNeese State University, M.A., Texas  
A&M University

**Stephen Rose**

*Assistant Men's/Women's Soccer Coach,  
2007*  
B.A. Walsh University, M.A.L.L. Marietta  
College

**Mark Schaefer**

*Assistant Professor of Political Science, 2005*  
B.A., M.A., Ph.D. West Virginia University

**Alane K. Sanders**

*Assistant Professor of Communication, 2008*  
B.A. The Ohio State University, M.A. Ohio  
University

**Mark E. Sibicky**

*McCoy Professor of Psychology, Director of the  
M.A.P. Program, 1990*  
B.A. University of Connecticut, M.A.  
Colgate University, Ph.D. University of  
Arkansas

**Kemery J. Sigmund**

*Assistant Professor of Sports Medicine*  
B.A. Hope College, M.S. Illinois State  
University

**Lori Smith**

*Assistant Professor of Communication and  
Media Studies, 2004,*  
B.S.J. Ohio University, M.A. Marietta  
College

**Steven R. Spilatro**

*McCoy Professor of Biology, 1988*  
B.A. Ohio Wesleyan University, Ph.D.  
Indiana University

**Derek Stanley**

*Head Men's/Women's Track/Cross Country  
Coach, 2005*  
B.B.A. Tiffin University, M.Ed. Bowling  
Green State University

**Gloria M. Stewart**

*Director, Physician Assistant Studies Program and Professor of Physician Assistant Studies, 2008*

B.S. Alderson-Broaddus College, M.S. Springfield College, Ed.D. West Virginia University

**Joseph E. Straw**

*Reference and Instruction Librarian, Associate Professor, 2007*

B.A., M.L.S., M.A., Kent State University

**Joseph M. Sullivan**

*Associate Professor of English, 2001*

B.A. Loras College, M.A. Marquette University, Ph.D. University of Toledo

**Michael E. Tager**

*Associate Professor of Political Science, 1995*

A.B. Cornell University, M.A., Ph.D. University of North Carolina

**Michael B. Taylor**

*McCoy Professor of Leadership and Management, 1977*

B.A. Carleton College, S.T.B. (B.D.), Ph.D. Harvard University, M.B.A. Ohio University

**J. Peter Thayer**

*Reference & Access Services Librarian, Assistant Professor, 1997*

B.P.S., B.S. State University of New York, Utica, M.L.S. State University of New York, Albany

**Benjamin H. Thomas**

*Associate Professor of Petroleum Engineering and Geology, 2002*

B.B.A. Kent State University, B.S.P.E. Marietta College, M.B.A. Ashland University, M.S., Ph.D. West Virginia University

**Luding Tong**

*Associate Professor of Chinese, Director of Asian Studies, 2000*

B.A. Anhui University, Anhui Province, China, M.A. Southern Illinois University, M.A., Ph.D. Washington University in St. Louis

**David Torbett**

*Assistant Professor of Religion and History, 2007*

B.F.A. New York University, M.Div. Andover Newton Theological School, Ph.D. Union Theological Seminary

**Almuth H. Tschunko**

*Professor of Biology, 1986*

B.S. Tufts University, M.A.T. Cornell University, M.S., Ph.D. University of Michigan

**John Tynan**

*Associate Professor of Mathematics, Registrar, 2001*

B.A. Grove City College, M.S., Ph.D. Ohio University

**Robert Van Camp**

*Associate Professor of Computer Science, 2008*

B.S. West Liberty State College, M.S. University of West Virginia College of Graduate Studies

**Jonathan K. VanderWal**

*Head Men's Basketball Coach, 2007*

B.A. Albion College M.Ed. Defiance College

**Frederick R. Voner**

*Associate Professor of Geology and Ebenezer Baldwin Andrews Chair of Natural Science, 1982*

B.A. University of Maine, M.S., Ph.D. Miami University

**Ena Cecilia Vulor**

*McCoy Associate Professor of French Language and Literature, Director of European Studies, 1993*

B.A. University of Ghana, M.A., Ph.D. Cornell University

**Suzanne H. Walker**

*Associate Professor of Communication, Assistant Dean for First Year Experience and Advising, 1999*

B.S. University of Indianapolis, M.A., Ph.D. Indiana University

**Jeremy Wang**

*Assistant Professor of Management Information Systems, 2004*

B.A. Marietta College, M.B.A. Ohio University

**Jane Wilder O'Connor**

*Assistant Professor of Theatre, 2007*

A.S., A.A., Mt. San Jacinto College, B.A., California State University at San Bernardino, M.F.A., University of Oregon

**Xiaoxiong Yi**

*Associate Professor of Political Science, Director of China Institute, 1989*

B.A. Beijing Normal University, China, M.A. Pennsylvania State University, Ph.D. American University

**Brent Yorgason**

*Assistant Professor of Music, 2007*

A.A.S. Brigham Young University-Idaho, B.A. Utah State University, M.M. Indiana University

**Matthew Young**

*McCoy Associate Professor of History, 2000*

B.A. Kenyon College, M.A., Ph.D. Bowling Green State University

**Abdelali Ziyati**

*Associate Professor of Communication and Media Studies, 2007*

B.A., Institute of Journalism, Rabat, Morocco, M.A., Ph.D., Ohio University

## Adjunct Faculty of the College

**Cheryl E. Arnold**

*Department of Psychology, 1998*

B.A. Westminster College, M.S., Ph.D. University of Georgia

**Michelle Dawn Brooker**

*Department of Business & Economics, 2006*

B.S., Otterbein College, Certified Public Accountant

**Evelyn J. Bryant**

*Department of Education, 1998*

B.A. College of New Jersey, M.A.L.L., M.A.Ed. Marietta College

**J. Mitchell Casey**

*Department of Mass Media, 1999*

B.F.A. Ohio State University

**Robert Coddington**

*Department of Music*

B.M., M.M., Peabody Conservatory

**Joseph Davis**

*Department of Art, 2009*

B.F.A. The Ohio State University, M.F.A. Ohio University

**Cheryl Ferree**

*Department of Business & Economics, 2007*

B.S., West Virginia University, M.A.L.L., Marietta College

**Veronica Freeman**

*Department of Geology, 1993*

B.S. Southwest Missouri State University, M.S. University of Texas at Arlington

**Peter E. Hogan**

*Graduate Program in Physician Assistant Studies*

B.S. Worcester State University, M.S. University of Connecticut, Ph.D. Michigan State University

**C. Roger Lewis**

*Department of Business & Economics, 1976*  
B.A. North Carolina State University, M.S. University of North Carolina

**Beth Nash**

*Department of Art, 2002*  
B.F.A. Kent State University, M.A.L.L. Marietta College

**Melissa Parlin**

*Department of English*  
B.A. LaGrange College, M.A. Marquette University

**Thomas D. Perry**

*Department of Communication and Media Studies*  
B.A., West Virginia University, M.C.M., Marietta College

**Ann Marie Picciano, P.T., A.T.C.**

*Department of Sports Medicine, 1998*  
B.S. Marietta College, M.S. University of Indianapolis

**David Puls**

*Department of Music*  
B.M., University of Arizona, M.M., University of Akron

**Arthur Smith**

*Department of Communication and Media Studies, 1994*  
B.S.J. Ohio University, M.A.L.L. Marietta College

**Andrew Stern**

*Department of Sports Medicine, 1999*  
B.S. Tennessee State University

**David M. Tadlock**

*Department of Music, 2003*  
B.Mus. Indiana University, M.Mus., D.Mus., University of Connecticut at Storrs

**Jeffrey P. Walker**

*Department of Communication and Media Studies, 2004*  
B.S. University of Indianapolis, M.A. Indiana University

**G. Ryan Zundell**

*Department of Communication and Media Studies*  
B.A., Marietta College, M.A., West Virginia University

## Emeriti/ae Faculty of the College

**Gustav A. Abrolat, Jr.**

*A.B., A.M., Ed.D., Emeritus Professor of Education (1961-88)*

**Paul J. Amash**

*B.A., M.A., Ph.D., Emeritus Professor of Modern Languages (1969-91)*

**R. Lester Anderson**

*A.B., M.S., Ph.D., Emeritus Baldwin Andrews Chair of Natural Science and Professor of Physics (1961-2002)*

**Walter V. Babics**

*B.A., M.A., Ph.D., Emeritus Professor of Sociology (1968-89)*

**Neil Bernstein**

*B.S., A.M. Ph.D., Emeritus Professor of Mathematics (1970-1996)*

**Steven D. Blume**

*B.A., M.A., Emeritus Professor of Leadership and English (1968-2001)*

**David A. Boyer**

*B.S.Ed., A.M., Emeritus Associate Professor of Sociology (1973-2001)*

**William L. Buelow**

*B.M., M.A., Emeritus Professor of Music (1969-2001)*

**Sherrill Cleland**

*A.B., A.M., Ph.D., Emeritus President and Professor of Economics (1973-89)*

**W. David Cress**

*B.S., M.S., Ph.D., Emeritus Associate Professor of Petroleum Engineering (1981-2007)*

**H. Dean Cummings**

*B.M.E., M.M., Ph.D., Emeritus Professor of Music (1965-97)*

**Leo H. Daniels**

*B.A., M.A., Emeritus Associate Professor of Modern Languages (1964-92)*

**William H. Davis**

*B.S., M.S., Ph.D., Emeritus Professor of Physics (1954-83)*

**Sue DeWine**

*B.S., M.A., Ph.D., Emerita Professor of Organizational Communication (2000-07)*

**Billy Ray Dunn**

*B.S., M.A., Ed.D., Emeritus Professor of Education (1991-2002)*

**Richard A. Evans**

*M.Ed. Emeritus Professor of Mathematics (1966-75)*

**William H. Gerhold**

*A.B., A.M., Emeritus Professor of Art (1966-94)*

**Hans Georg Gilde**

*B.S., Ph.D., Emeritus Professor of Chemistry (1961-92)*

**Alvaro V. Gonzalez**

*LL.B., M.S., M.A., Ph.D. Emeritus Professor of Modern Languages (1963-90)*

**Herschel G. Grose**

*B.S., Ph.D., Emeritus Erwin Professor of Chemistry (1953-85)*

**G. Whitmore Hancock**

*B.A., Ph.D., Emeritus Professor of Physics (1968-2000)*

**Mary Jo Herdman**

*A.B., M.S., Emerita Professor of Health and Physical Education (1960-91)*

**Robert S. Hill**

*A.B., M.A., Ph.D., Emeritus Professor of Political Science (1959-1989)*

**Peter E. Hogan**

*B.S., M.S., Ph.D. Emeritus McCoy Professor of Biology (1973-2009)*

**William H. Hohman**

*B.S., M.A., Emeritus Professor of Chemistry (1965-2001)*

**Edmund J. Kaminski**

*B.A., M.A., Emeritus Professor of Modern Languages (1961-87)*

**S. Roger Kirkpatrick**

*B.S., M.S., Emeritus Professor of Geology (1961-98)*

**Barbara P. Clark Martin**

*B.A., M.A. Emerita Associate Professor of Biology (1968-84)*

**Barbara J. MacHaffie**

*B.A., B.D., Ph.D., Emerita Israel Ward Andrews and Molly C. Putnam Professor of Religion (1987-2007)*

**David G. Mader**

*B.S., M.S., Ph.D. Emeritus Professor of Computer Science, (1985-2008)*

**John Douglas McGrew**

*B.A., B.S., Emeritus Assistant Professor of Computer Science (1988-96)*

**John R. Michel**

*B.A., M.S., Ph.D., Emeritus Professor of Mathematics (1970-2004)*

**Jerry L. Montgomery**

*B.S., M.A., Ed.D., Emeritus Professor of Education (1969-2001)*

**James A. Murtha**

*A.B., M.A., M.S., Ph.D. Emeritus Professor of Mathematics and Petroleum Engineering (1967-92)*

**Sandra B. Neyman**

*B.A., M.S.L.S., M.A. Emerita College Librarian and Professor (1968-2004)*

**Edward H. Osborne**

*B.S., M.B.A., C.P.A. Emeritus McCoy Professor of Business & Economics (1971-2008)*

**Charles T. Pridgeon, Jr.**

*B.A., M.A., Ph.D., Emeritus Professor of English (1968-2001)*

**Albert I. Prince**

*A.B., A.M., Ph.D., Emeritus Professor of Psychology (1968-91)*

**Jack Edward Prince**

*B.A., M.A., Ph.D., Emeritus Professor of Economics (1954-85)*

**Stephen M. Rader**

*B.S., M.A., Ph.D., Ed.D. Emeritus Professor of Theatre (1991-2009)*

**Margaret A. Ross**

*B.M., M.A., M.Ed., Ph.D., Emerita Director of Counseling and Professor (1967-92)*

**Bernard A. Russi, Jr.**

*B.S., M.A., Ph.D., Emeritus Professor of Mass Media (1955-87)*

**William M. Smith**

*B.S., B.D., S.T.M., Ph.D., Emeritus Molly Putnam Professor of Religion (1963-94)*

**Paul Spear**

*R.N., B.S., M.S., Emeritus Professor of Sports Medicine (1967-99)*

**Carol T. Steinhagen**

*B.A., M.A., Ph.D., Emerita Professor of English and Adamson Fleisher Chair in the Humanities (1974-2006)*

**Dwayne D. Stone**

*B.A., Ph.D., Emeritus Professor of Geology (1964-93)*

**M. Jeanne Tassé**

*A.B., M.A., Ph.D., Emerita Professor of Art (1975-91)*

**Arthur C. Thompson**

*B.S., M.S., Ph.D., Emeritus Associate Professor of Chemistry (1962-79)*

**Gerald W. Vance**

*A.B., S.T.B., A.M. Emeritus Professor of Education (1965-80)*

**Robert G. Walker**

*B.A., Ph.D., Emeritus Professor of Chemistry, (1972-2009)*

**K. Wayne Wall**

*B.S., M.A., Ph.D., Emeritus Professor of Communication (1966-99)*

## Administration of the College

### Presidents of the College

**Joel Harvey Linsley, D.D., S.T.D.,**  
*1835-46*

**Henry Smith, D.D., LL.D.**  
*1846-55*

**Israel Ward Andrews, D.D., LL.D.**  
*1855-85*

**John Eaton, Ph.D., LL.D.**  
*1885-91*

**Thomas Dwight Biscoe, LL.D.**  
*Chairman of the Faculty, 1891-92*

**John Wilson Simpson, D.D., LL.D.**  
*1892-96*

**Joseph Hanson Chamberlin, A.M., Litt.D.**  
*Acting President, 1896-1900*

**Alfred Tyler Perry, D.D.**  
*1900-12*

**Joseph Manley, A.M., LL.D.**  
*Acting President, 1912-13*

**George Wheeler Hinman, Ph.D.**  
*1913-18*

**Jesse V. McMillan, Ped.D.,**  
*Acting President, 1918-19*

**Edward Smith Parsons, L.H.D., LL.D.**  
*1919-36*

**Harry Kelso Eversull, D.D., LL.D.**  
*1937-42*

**Draper Talman Schoonover, Ph.D., L.H.D., LL.D.,**  
*1942-45 (Acting President, February-June, 1942)*

**William Allison Shimer, Ph.D., LL.D.**  
*1945-47*

**Administrative Committee**

*William Bay Irvine, Chair, 1947-48*

**William Bay Irvine, Ph.D., LL.D.**  
*1948-63*

**Frank Edward Duddy, Jr., Ph.D., LL.D., L.H.D., Hum.D.**  
*1963-73*

**Sherrill Cleland, Ph.D., LL.D.**  
*1973-89*

**Patrick D. McDonough, Ph.D.**  
*1989-95*

**Lauren R. Wilson, Ph.D.**  
*1995-2000*

**Jean A. Scott, Ph.D.**  
*2000-present*

## Officers of the College

During the 2008-09 academic year, the following served as officers of the College

**Jean A. Scott**  
*President*

**Rita Smith Kipp**  
*Provost and Dean of the Faculty*

**Daniel C. Bryant**  
*Vice President for Administration and Finance*

**David J. Rhodes**  
*Vice President for Enrollment Management*

**Lori A. Lewis**  
*Vice President for College Advancement*

**Larry R. Hiser**  
*Director of Athletics, Physical Education and Recreation*

**Lon S. Vickers**  
*Vice-President for Student Life and Dean of Students*

# Whom to See About What

<b>(Area code 740)</b>		<b>Check Cashing</b>		<b>Faculty Advisor, Change of</b>	
<b>Academic Records</b>		<i>Controller's Office</i>		<i>Records Office</i>	
<i>Records Office</i>		209 Irvine Adm. Building	376-4726	211 Irvine Adm. Building	376-4723
211 Irvine Adm. Building	376-4723	<b>Clubs and Organizations</b>		<b>Financial Aid</b>	
<b>Academic Resource Center (ARC)</b>		<i>Student Activities</i>		<i>Student Financial Services</i>	
Andrews Hall, 3rd floor	376-4700	106 Andrews Hall	376-4784	315 Irvine Adm. Building	376-4712
<b>Academic Standards Committee Petitions</b>		<b>Computer Help Desk</b>		<b>Fraternity Information</b>	
<i>Records Office</i>		Mills Hall, 4th Floor	376-4784	<i>Student Activities</i>	
211 Irvine Adm. Building	376-4723	<b>Copiers</b>		106 Andrews Hall	376-4784
<b>Academic Status</b>		<i>Printing and Production</i>		<b>Grade Reports</b>	
<i>Records Office</i>		Irvine Adm. Building Lower	376-4727	<i>Records Office</i>	
211 Irvine Adm. Building	376-4723	<b>Counseling, Academic</b>		211 Irvine Adm. Building	376-4723
<b>Admission, Undergraduate</b>		<i>Faculty Advisor or Provost</i>		<b>Grading Practices</b>	
<i>Office of Admission</i>		Irvine Adm. Building	376-4741	<i>Provost</i>	
Admissions House	376-4600	<b>Counseling, Personal</b>		Irvine Adm. Building	376-4741
<b>Admissions Tests for Graduate Study</b>		<i>Counseling Services</i>		<b>Graduate Programs:</b>	
<i>Career Center</i>		112 Andrews Hall	376-4651	<b>Master of Arts in Psychology (M.A.P.)</b>	
Gilman Center	376-4645	<b>Course Schedule Changes</b>		<i>M. Sibicky</i>	
<b>Advancement Office</b>		<i>Records Office</i>		Erwin Hall	376-4762
301 Irvine Adm. Building	376-4704	211 Irvine Adm. Building	376-4723	<b>Master of Corporate Media (M.I.C.M.)</b>	
<b>Advanced Placement Credit</b>		<b>Courses Taken Elsewhere</b>		<i>M. Morrow</i>	
<i>Records Office</i>		<i>Records Office</i>		McKinney Building	376-4828
211 Irvine Adm. Building	376-4723	211 Irvine Adm. Building	376-4723	<b>Master of Science in Physician Assistant</b>	
<b>Advisor, Change of</b>		<b>Declaration of Major</b>		<b>Studies (M.S.P.A.S.)</b>	
<i>Records Office</i>		<i>Records Office</i>		<i>G. Stewart</i>	
211 Irvine Adm. Building	376-4723	211 Irvine Adm. Building	376-4723	306 Bartlett Building	376-4458
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<i>T. Catalano</i>		<i>Records Office</i>		Information Technology	376-4860
217 Thomas Hall		211 Irvine Adm. Building	376-4723	<b>Hometown News Releases</b>	
<b>Caps and Gowns</b>		<b>Evening Classes</b>		<i>College Relations</i>	
<i>Follett Bookstore</i>		<i>Continuing Education</i>		Irvine Adm., Lower	376-4717
Gilman Center, Upper	376-4677	208 Irvine Adm. Building	376-4740	<b>Honors Programs</b>	
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<i>H. Hughes</i>		<i>Provost</i>		<i>J. Sullivan</i>	
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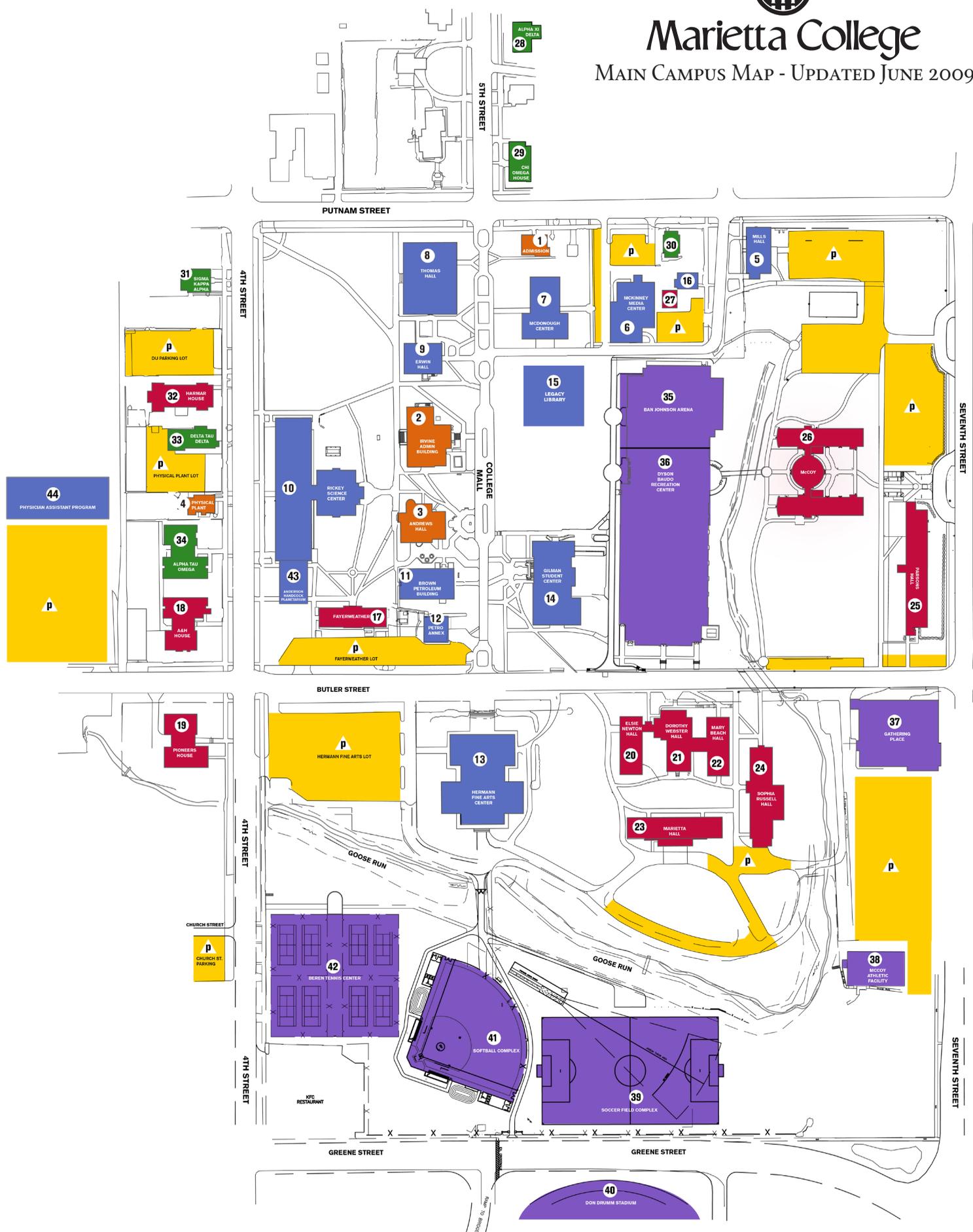
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# Marietta College

## MAIN CAMPUS MAP - UPDATED JUNE 2009



## Administration

- 1 Admission House**
- 2 Irvine Administration Building**
  - Advancement
  - Alumni Relations
  - Business and Administrative Services
  - College Relations
  - Financial Aid
  - Human Resources
  - Information Technology
  - President
  - Print Shop
  - Provost
  - Registrar
- 3 Andrews Hall**
  - Academic Resource Center
  - Counseling Services
  - Emeritus Chamber
  - Great Room
  - Izzy's
  - Multicultural Lounge
  - Student Government
  - Student Life Office
  - Riggs Board Room
- 4 Physical Plant**

## Academic

- 5 Mills Hall**
  - Department of Communication
  - Marietta Fund
  - Master of International Corporate Media
  - William Chamberlain Gurley Observatory
- 6 McKinney Media Center**
  - Department of Media Studies
  - WCMO/WMRT radio stations
  - WCMO-TV station
  - Student Newspaper (Marcolian)
  - Computer Graphics Lab
- 7 The McDonough Center**
  - Auxiliary Services
  - Leadership Studies Program
  - McDonough Auditorium
  - Betty Cleland Room
- 8 Thomas Hall**
  - Department of English
  - Department of History
  - Department of Modern Languages
  - Department of Philosophy
  - Department of Economics
  - Department of Management
  - Department of Accounting
  - Honors Program suite
  - The Writing Center
  - International Student Office

- 9 Erwin Hall**
  - Department of Psychology
  - Department of Education
- 10 Rickey Science Center**
  - 3 connected buildings:
    - Rickey, Selby and Bartlett
    - Biology Department
    - Environmental Science Department
    - Chemistry Department
    - Mathematics and Computer Science Department
    - Physics Department
    - E.L. Krause Reading Room
- 11 Brown Petroleum Building**
  - Department of Petroleum Engineering and Geology
  - CNG Gas Transmission Laboratory
  - Paleontology Laboratory
  - Geology Laboratory
  - Mineralogy Laboratory
  - Petrology Laboratory
- 12 Geology Annex**
- 13 Hermann Fine Arts Center**
  - Departments of Art and Theatre Arts
  - MacTaggart Department of Music
  - Friederich Theatre
  - Multimedia computer lab
- 14 Gilman Student Center**
  - College Bookstore
  - Main Dining Facilities
  - Career Center
  - Postal Facilities
- 15 Legacy Library**
  - Special Collections
  - Worthington Center for Teaching Excellence
  - Jack and Betty Prince Forum
- 16 The Center for Families and Children**
- 43 Anderson Hancock Planetarium**
- 44 Physician Assistant Program**
  - Master of Science in Physician Assistant Studies Program

## Parking



## Student Housing

- 17 Fayerweather Hall**
- 18 Art & Humanities House**
- 19 Pioneer House**
- 20 Elsie Newton Hall**
- 21 Dorothy Webster Hall**
- 22 Mary Beach Hall**
- 23 Marietta Hall**
- 24 Sophia Russell Hall**
- 25 Edward S. Parsons Hall**
- 26 McCoy Hall**
- 27 International Scholars House**
- 32 Harmar House**

## Greek Housing

- 28 Alpha Xi Delta**
- 29 Chi Omega**
- 30 Lambda Chi Alpha**
- 31 Sigma Kappa**
- 33 Delta Tau Delta**
- 34 Alpha Tau Omega**

## Recreation

- 35 Ban Johnson Arena**
  - Athletic Department Offices
- 36 Dyson Baudo Recreation Center**
  - Department of Athletics and Physical Education
  - Fenton Court
  - Multi-purpose Room
  - Department of Sports Medicine
- 37 The Gathering Place**
  - Office of Campus Police
- 38 McCoy Athletic Facility**
  - Football Coaches' Offices
  - Training Room
- 39 Marietta Field Soccer Complex**
- 40 Don Drumm Stadium**
- 41 Marietta Field Soccer Complex**
- 42 Beren Tennis Center**

